

**STATE OF NEW HAMPSHIRE**  
**SITE EVALUATION COMMITTEE**

**October 11, 2017 - 1:30 p.m. DAY 45**  
49 Donovan Street **Afternoon Session ONLY**  
Concord, New Hampshire

*{Electronically filed with SEC 10-20-17}*

**IN RE: SEC DOCKET NO. 2015-06**  
**NORTHERN PASS TRANSMISSION -**  
**EVERSOURCE; Joint Application of**  
**Northern Pass Transmission LLC and**  
**Public Service of New Hampshire d/b/a**  
**Eversource Energy for a**  
**Certificate of Site and Facility**  
**(Hearing on the Merits)**

**PRESENT FOR SUBCOMMITTEE/SITE EVALUATION COMMITTEE:**

<b>Chmn. Martin Honigberg</b> <i>(Presiding Officer)</i>	Public Utilities Comm.
<b>Cmsr. Kathryn M. Bailey</b> <b>Christoper Way, Designee</b>	Public Utilities Comm. Dept. of Business & Economic Affairs
<b>William Oldenburg, Designee</b>	Dept. of Transportation
<b>Patricia Weathersby</b>	Public Member

**ALSO PRESENT FOR THE SEC:**

Michael J. Iacopino, Esq. Counsel for SEC  
*(Brennan, Caron, Lenehan & Iacopino)*

Pamela G. Monroe, SEC Administrator

*(No Appearances Taken)*

**COURT REPORTER: Cynthia Foster, LCR No. 14**

I N D E X

WITNESS PANEL

THOMAS E. KAVET

NICOLAS ROCKLER

QUESTIONS FROM SUBCOMMITTEE  
MEMBERS & SEC COUNSEL BY:

Mr. Way 4, 65

Ms. Weathersby 36

Cmsr. Bailey 53, 67

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E X H I B I T S

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**P R O C E E D I N G S****(Hearing resumed at 1:30 p.m.)**

PRESIDING OFFICER HONIGBERG: All right.

Mr. Way.

**QUESTIONS BY MR. WAY:**

Q Good afternoon.

A (Kavet) Good afternoon.

A (Rockler) Good afternoon.

Q I want to build on some of the questions that were asked earlier. It was very helpful this past morning. So in terms, and some of these I just want to make sure I understand as we go through this. In terms of the REMI model, and I think it was on page 12 of your testimony, when you say you put in the inflated employment data and inflated compensation data, that causes the direct employment to be lower which means that you need to have more productivity from those workers?

A (Rockler) Well, exactly. What it's doing is it's understating or underestimating the number of people who will be working on the job, and the implication of that is still you're going to build a Project of the same size. So that means

1           you've got to have, for the whole system to kind  
2           of work accurately, it presumes  
3           superproductivity on the part of the number of  
4           workers you've estimated.

5       Q     So if I cut it off right at that point, wouldn't  
6           that just say to me that I need more workers?

7       A     (Rockler) Exactly.

8       Q     So wouldn't my direct employment figures  
9           actually go you up at that point?

10      A     (Rockler) They will go up. That's correct.

11      Q     In looking at your Table 24 on Counsel for the  
12           Public Exhibit 148 A, versus 148 A, I don't  
13           think there's any changes from what I'm talking  
14           about, and you're looking at a net gain of jobs  
15           created versus jobs lost.

16                    So in the REMI model, and maybe you can  
17           help me out as I'm trying to frame this  
18           question.

19      A     (Rockler) Um-hum.

20      Q     Is a job gain considered the same sort of  
21           calculation as a job loss? In other words, if I  
22           invest \$10 million in a Project, this will give  
23           me X number of jobs that will be gained. Can I  
24           say the flip side, if I took \$10 million out

1           that I would lose a commensurate number of jobs  
2           or is it different?

3       A     (Rockler) No.  It's fairly symmetrical.  As long  
4           as you put them in the same industry at the same  
5           time period, then you should have an equivalent  
6           exchange for either losses or gains.  If you put  
7           in minus five employees or plus five employees,  
8           you'll get the same impact estimate but with the  
9           different sign, that's all.

10       Q     And when you've done modeling, and I don't want  
11           to call them estimates.  We call them  
12           projections, I believe, is what you're --

13       A     (Rockler) Yes.  This is an important  
14           distinction.  We're not forecasting in the  
15           traditional sense of an economic forecast that's  
16           going to tell you with some precision what the  
17           interest rate is going to be.  What we're  
18           estimating is the change from a baseline, a  
19           presumed baseline level of activity, and in REMI  
20           the baseline is based on, largely, a trend.  
21           It's not a behavioral forecast that has  
22           assumptions what the Federal Reserve is going to  
23           do or what trade policy is going to be.  It  
24           largely relies on a trend from current

1 conditions and historical growth rates.

2 A (Kavet) It's a simulation model. So it's used  
3 to simulate a potential change. Some impact  
4 that you tell the model something different is  
5 going to happen than it just sort of assumes and  
6 it's kind of trend line out. And it's the  
7 difference between what it is sort of assuming  
8 going out and that impact that is used to frame  
9 risks/benefits, you know, costs, potential  
10 impacts, but that's different than a forecast.  
11 And we do lots of economic forecasting, too. We  
12 never use REMI for economic forecasting. It's a  
13 simulation tool.

14 Q So, you know, and I'm always interested when you  
15 take others' forecasts, estimates, projections,  
16 simulations, when you actually take them out  
17 into the real world, and I think that's what  
18 we're trying to grasp here when we talk about  
19 the impact of views on impact on property  
20 values, on job losses, whatever.

21 How successful have you folks been with  
22 your simulations with past projects? One, have  
23 you gone back and taken a look at what you  
24 simulated and, two, how are those results?

1 A (Kavet) A lot of times they, if you go back  
2 they're unmeasurable things that you're, you  
3 know, that you're trying to assess. In terms of  
4 our economic forecasting, we have a long track  
5 record in the public sphere. We've been  
6 forecasting revenues for the State of Vermont for  
7 more than 21 years. So you can go back and we  
8 publish all the error versus over what time  
9 period, by which category, and, you know, so  
10 there's a public track record of all of that.  
11 Average forecast error that we have on that is  
12 around two percent, but that's over a very long  
13 period of time.

14 Q What was that again? I'm sorry?

15 A (Kavet) Average forecast error that we have in  
16 that is under two percent.

17 Q What does that mean?

18 A (Kavet) Means that relative to the number that  
19 was forecast, that we were within two percent of  
20 that number on average, plus or minus two  
21 percent. Now, there are many, many forecasts  
22 that we do for many, many different purposes.  
23 Quite often somebody is concerned about a risk  
24 in a particular area so they'll say all right,



1           you may forecast this, but I have a real  
2           downside risk. Either if I lose market share or  
3           something like that, it could be severe. So  
4           give me a worst case. Or give me a best case  
5           with something, and that's a -- that's a  
6           different, we're not being asked to forecast  
7           right down the middle. Being asked to forecast  
8           a lowest worst case kind of thing.

9           Q     Because what I'm trying to get a handle on, too,  
10           is when we look at that net gain/net loss of  
11           jobs, in other words, at its height it's going  
12           to give us this jobs, but this is how many jobs  
13           that it might take away and this is the number  
14           we're working with.

15          A     (Kavet) Yes.

16          Q     And sometimes, and I don't know what you think,  
17           but sometimes the jobs lost can be somewhat  
18           dismissed as opposed to those that are projected  
19           to be gained. From your experience when you  
20           project jobs lost like you do or simulate jobs  
21           lost in Table 24, is that part of that 2 percent  
22           error rate? In other words, is that just a  
23           valid simulation as the jobs gained?

24          A     (Rockler) I would say not. I would say that

1 those go to the accuracy of the model itself in  
2 terms of what it estimates the resource  
3 requirements are based on what you've given it.  
4 If the historical relationships hold true for  
5 the Project you're working with, so that if you  
6 have a typical construction project that uses  
7 ten full-time employees, the model will tell you  
8 what everything else is if it's a typical  
9 Project.

10 And that really raises the interesting  
11 question of how you do those kinds of  
12 simulations with this specific Project because  
13 you know its basic characteristics. You don't  
14 need to rely on a model to tell you anything  
15 about the materials inputs list. You don't need  
16 to rely on the model for anything to tell you  
17 what the number of jobs are likely to occur if  
18 they're done at a historical rate, and you do  
19 need to make adjustments where this Project  
20 deviates from the average typical construction  
21 project, and this one deviates in every possible  
22 way.

23 This is not a typical commercial  
24 construction project. So when you're operating

1 the model, you need to put in the individual  
2 characteristics of the Projects that are known  
3 and that avoids the whole problem of having the  
4 model think that you're dealing with a typical  
5 construction project. It's not. It simply  
6 isn't.

7 A (Kavet) But I think it's really important to  
8 understand, with this Table 24 and 25 and LEI's  
9 provided some comparable sorts of tables in  
10 their rebuttal analysis. These are order of  
11 magnitude estimates about what might happen.  
12 These are not point forecasts. They're, you  
13 know, unmeasurable in some respects. The  
14 take-away is you're going to get a lot of jobs  
15 when you build something of this magnitude.  
16 There will be substantial net job gain.  
17 Depending on how much electricity price response  
18 you get even in that next operational period,  
19 you're likely to have a net beneficial effect.

20 As you get farther out, these effects  
21 diminish, the property tax revenues become  
22 smaller, the construction's over and the  
23 electricity price benefit disappears. And then  
24 if there are things like tourism losses that are

1 anywhere close to this magnitude, it can flip to  
2 be a net negative over a period.

3 We're not saying you should do the Project  
4 or don't do the Project based on that. We're  
5 saying these are the risks that you have to  
6 consider in making a decision like this. And  
7 there's a potential for that kind of loss.  
8 Here's the order of magnitude that we think it  
9 could be. But it's not a point forecast.

10 Q And so I know when we start pouring all of this  
11 information all together and be voluminous, this  
12 table is going to stand out like the table will  
13 for the Applicant.

14 A (Rocker) Sure.

15 Q On its own we're going to be looking at it and a  
16 lot of the nuances are going to be lost, and,  
17 you know, we're going to see things like  
18 negative 320 jobs for tourism. And so there's a  
19 part of me that says well, okay. But is that in  
20 your mind a valid simulation that over time  
21 particularly from 2050 to 2060 it's a loss of  
22 another 100 jobs and why?

23 A (Kavet) Okay. So in the case of tourism, are  
24 you asking what that would be in the case of

1 tourism?

2 Q Right. Validate that, give your thoughts on  
3 that number.

4 A (Kavet) Yes. So, again, our explanation of what  
5 we did with tourism speaks to that. What it's  
6 saying is there is some incremental degradation  
7 of the scenic landscape that will matter to a  
8 small, a very small number of tourists. It will  
9 affect tourism in a very small way, but it's a  
10 very large industry, and when you put those into  
11 the same REMI models, all the rest of the stuff,  
12 these are both direct and indirect employment  
13 impacts from that order of magnitude change.

14 So there will be no way to circle back and  
15 say, you know, in some year, how many fewer  
16 people came to the state because of this or how  
17 much less did they spend or how much shorter was  
18 their visit because of this. And, you know, the  
19 incremental effect of one, we know it's not a  
20 positive. There's no, you know, nobody would  
21 seek to put this in a scenic environment and say  
22 oh, things are better with this there. None of  
23 the marketing material in the State of New  
24 Hampshire uses to attract tourists have vistas

1 with transmission lines going through them.

2 So we're not saying the sky is going to  
3 fall because of this, but even a fairly small  
4 effect can be fairly significant, especially  
5 when you don't have a lot of longer term  
6 benefits that are accruing from this. A lot of  
7 the benefits are nearer term. Big construction  
8 project, some electricity price benefits are  
9 likely, and then you're running a risk of some  
10 degradation of the scenic landscape that could  
11 affect a really important segment of the  
12 economy.

13 Q And this is a good point to ask the question so  
14 that when we look at these jobs from year to  
15 year, in all of these projections, each year are  
16 these new jobs added or these jobs that are  
17 sustained and considered to be added in that  
18 year?

19 A (Kavet) It's an average annual difference from a  
20 baseline.

21 A (Rockler) It's a net change.

22 A (Kavet) It's a net change relative to a baseline  
23 expressed as average annual number. If that  
24 helps.

1 Q Okay. So if I do 200 in year 1 and 250 in year  
2 2, it's 250 jobs over that two-year period?

3 A (Kavet) 225 jobs, you know, that we, and we're  
4 picking different periods. The impacts change  
5 over time. So that's just giving a perspective  
6 of that.

7 Q All right. I'm sorry. Go ahead, Kate.

8 COMMISSIONER BAILEY: Chris? Can I ask a  
9 followup question on your tourism questions?

10 MR. WAY: Please.

11 COMMISSIONER BAILEY: So I think you said  
12 it can be a small impact, but it has the effects  
13 in Table 24 and 25 because it's such a large  
14 industry. What I don't understand is why it  
15 continues to increase from, you know, each  
16 ten-year period, and the GSP is increased six  
17 times in the last period that you look at. The  
18 negative effects. How do the negative effects  
19 continue to multiply year over year?

20 A (Kavet) They're not multiplying. They're  
21 persisting in an industry that is seeing real  
22 growth so the tourism industry has experienced  
23 real growth of about two percent a year across  
24 all of New England actually. It's not a huge

1 variation. So if you do something that changes  
2 the tourism appeal in an area, even if it's very  
3 small, in an industry that's growing, and the  
4 impact doesn't disappear, then you will have  
5 that effect persisting. It's not multiplying.  
6 It's just remaining constant with a little bit  
7 of growth, two percent a year real growth.

8 Unlike some industries, tourism is really  
9 benefiting from an aging population. So the  
10 demographic issues that weigh negatively on  
11 employment and some things like that are  
12 benefiting this industry because it is something  
13 that older people disproportionately spend on.  
14 So it's an area of growth.

15 COMMISSIONER BAILER: So you're saying that  
16 it also reduces the growth?

17 A (Kavet) No. It just takes late bit off  
18 something. It's a constant amount off a base  
19 that's growing.

20 A (Rockler) The base is growing, yes.

21 A (Kavet) So because it's a constant amount it's  
22 going up at that same growth rate.

23 COMMISSIONER BAILEY: Okay. So you assume  
24 that the constant amount continues forever?



1 A (Kavet) That's right or continues as long as  
2 that visual encumbrance exists. And we talked  
3 to some people about whether the canopy might  
4 grow taller enough to actually obscure it, and I  
5 think it was Kenneth Kimball at AMC who referred  
6 us to some studies on canopy height and it's at  
7 maximum canopy height right now so we don't  
8 expect that to disappear. So those effects  
9 persist as long as the line's there. Now, how  
10 long will it be there is anybody's guess.

11 COMMISSIONER BAILEY: And you don't think  
12 that people sort of get over it?

13 A (Kavet) They do. Most people do. This is a  
14 teeny tiny percentage, though, that will see it  
15 and say that's not my cup of tea. That's not  
16 the kind of place I want to be or it affects a  
17 particular property that they like to be, a  
18 particular lake that they might visit or  
19 something, and they're saying, you know, I'm not  
20 going to go there.

21 COMMISSIONER BAILEY: What's your teeny  
22 tiny percentage that you apply to these?

23 A (Kavet) 15 hundredths of one percent. 000.15  
24 percent change in tourism activity in the

1 affected areas. So you won't see it, when you  
2 see the state of New Hampshire tourism hit a new  
3 record high, yeah, it will. It will keep going  
4 up. It's not going to be something, you know,  
5 where you're getting some decline in tourism.  
6 It's a small part of it. It's a small change.

7 BY MR. WAY:

8 Q If I could. So one question is, when we get out  
9 to that long a period, when we get out to 2040,  
10 how much real world credence does it have  
11 because it isn't about someone getting over it.  
12 We're talking about generations. It's about our  
13 grandchildren getting, you know, or the next  
14 generation not caring. So it won't be about any  
15 of us getting over it. And then you look at the  
16 fact that states will dodge and weave. If  
17 something happens, they change their marketing  
18 strategy. There's a lot of things that change.  
19 So when I look at and I look at any studies that  
20 are put out there for 40 years down the road --

21 A (Kavet) Yes. All the climate change stuff is  
22 2100 kind of projections so the numbers that LEI  
23 used for climate change benefits are based on  
24 projections that are a hundred years out. We

1 try to estimate what those costs are and then  
2 bring them back down to some employment or  
3 monetized value today. It's very, very  
4 difficult to do.

5 But, you know, we looked at, you know, when  
6 you think about it long-term, it was  
7 interesting. One of Nichols studies, the  
8 2002/2003 work that he did for New Hampshire  
9 included a review of some other surrounding  
10 states and states that people came from to visit  
11 New Hampshire. One of those was New Jersey.  
12 And it was really interesting to look at how  
13 kind of polar opposite New Jersey is in the way  
14 people perceive it and think about it and look  
15 at the natural beauty there, and that wasn't  
16 always the case. New Jersey used to be the  
17 summer capital where all the presidents would  
18 summer and the Garden State, you know, beautiful  
19 scenery and all the rest. It doesn't have that  
20 now. And it's not the result of one decision or  
21 one transmission line. It's an accumulation.  
22 Each one has some incremental negative impact,  
23 but at some point, there are only 15 percent of  
24 the people who regard, you know, in Nichols

1 study, would regard New Jersey as being scenic  
2 and beautiful. And it's in the 90s, upper 90s  
3 in New Hampshire.

4 This is a precious resource and maybe you  
5 could pivot and say all right, we're going to be  
6 the nightclub state or we're going to the casino  
7 state or we're going to be something else, and,  
8 you know, states do what they have to. But  
9 right now that's a comparative advantage and  
10 there are competitors. As to whether that  
11 really gets mitigated way out into the future  
12 will probably depend on the relative  
13 attractiveness. So if every other state has a  
14 lot more development that's around, there's no  
15 place else to go that will be the best you can  
16 do. But if other states don't, you know, it  
17 could end up, you know, New Jersey's  
18 instructive. If there a bunch of decisions that  
19 are made. So this is just, you know, this isn't  
20 the sky falling. It is some negative increment  
21 though. That's all.

22 Q All right. Just a couple assumptions that I  
23 keep coming back to and I think I asked in a  
24 previous Panel.

1           Part of the whole benefit here is that  
2           reduced electrical cost will be passed on to  
3           consumers, will be passed on to manufacturers.  
4           Manufacturers, in their operations, they'll  
5           realize these energy savings. In return,  
6           they're going to do something with those energy  
7           savings. Hopefully they're going to create  
8           jobs. Those would be the induced jobs, correct?

9           A   (Rockler) Those would be, um, it's profits and  
10          retained earnings end up in the investment  
11          stream. And so if the state has additional  
12          investment opportunities, yeah, they'll end up  
13          creating new jobs through new investment. The  
14          induced stream is really a consumer expenditure  
15          stream that's created by the additional income  
16          that comes from either working on the  
17          construction part or being a savings on the part  
18          of consumers from spending on electricity rates  
19          they have things to spend elsewhere on other  
20          goods. So the induced spending is really a  
21          consumer, think of it as consumer expenditures  
22          derived from activities in the Project.

23          Q   Sort of with a direct connection to a direct  
24          job.

1 A (Rockler) They have a direct connection to a  
2 direct job or one of the intermediate jobs. One  
3 of those intermediate material supplier jobs.  
4 So if the Project goes and buys Portland Cement  
5 from a distributor to make those Redimix  
6 concrete pads for the towers, the distributor  
7 makes a markup on the sale of the Portland  
8 Cement, and they're an intermediate goods  
9 supplier to the Project, but there are people  
10 who work for them that actually get their income  
11 from this additional sale, and they go out and  
12 spend their new income, and they're part of the  
13 induced income stream at that point. Their  
14 additional wages and earnings flow to other  
15 consumer goods.

16 Q So lets go beyond construction. Assume that  
17 it's all constructed.

18 A (Rockler) Right.

19 Q And manufacturers are starting to realize their  
20 savings.

21 A (Rockler) Sure.

22 Q The idea, though, is that they're going to  
23 create jobs.

24 A (Rockler) Absolutely.

1 Q There's a tipping point. We talked about that  
2 in previous sessions. There's a tipping point  
3 by which most people will create a new job. I  
4 know like working with grants and modeling  
5 sometimes it could be 30,000, sometimes it's  
6 50,000. What is the modeling, what is the  
7 multiplier that you folks look at that sort of  
8 helps you to assume that a business will create  
9 a new job?

10 A (Rockler) The model actually solves those things  
11 at a particular -- probably from the  
12 intermediate sales, those related manufacturing  
13 jobs, you're at about if your overall  
14 multiplier's about two which would be a pretty  
15 good sized multiplier for New Hampshire,  
16 obviously, one of it is the direct effect and  
17 the other one is direct and induced, and usually  
18 the induced is about three quarters of that. So  
19 it's about, to shorten my answer, I guess, it  
20 would be about an eighth of the overall impact  
21 goes to these indirect and other  
22 investment-related jobs. That's where the  
23 potential comes from.

24 A (Kavet) It's not an estimate we're making

1 outside of the model though. We're introducing  
2 change as the model and the model is  
3 calculating, it's not, you know, it depends on  
4 the industry, depends on the effect that you're  
5 making with the change. It's not just some  
6 single number.

7 A (Rockler) So being more price competitive allows  
8 industries to grow faster than they otherwise  
9 would. That is, they have greater and wider  
10 sales opportunities than they otherwise would  
11 have.

12 Q And that was a good answer, and it kind of went,  
13 sort of sailed over me. Because in my mind  
14 what, I'm looking at this very simplistically.  
15 That for manufacturers that say I want this to  
16 occur, we've heard about some of the savings for  
17 consumers, and whether you're pro or con it has  
18 a lot of opinions, but will the energy savings  
19 be enough for manufacturers to realize enough  
20 savings that they'll then go and actually hire.  
21 And getting a sense at what point in a typical  
22 business will they make that hire.

23 A (Kavet) I guess, when you say typical business,  
24 that's --



1 Q I understand that's a absolutely loaded  
2 question. But I guess what I'm trying to find  
3 out --

4 A (Rockler) The answer is yes, I mean, in the  
5 sense that if you get cost savings on the  
6 manufacturing or the industrial rate side or the  
7 commercial rate side those all contribute, and  
8 they're significant contributors to regional  
9 growth. And when you have a region or a state  
10 like New Hampshire where the rates are very high  
11 to begin with, reducing them slightly combined  
12 with what is a very high productivity labor  
13 force anyway is a very attractive option. So it  
14 does stimulate growth. There's no question that  
15 even five percent rate reductions is  
16 stimulative.

17 Q It's just hard to tell how much because, as I  
18 said, when I look at it when I do a grant, and I  
19 put for every \$50,000 I get I assume it's a FTE.  
20 One FTE created. It's not that simple here.

21 A (Rockler) Right.

22 A (Kavet) It's not. You're increasing general  
23 competitiveness. So you could say to the extent  
24 competitiveness is enhanced, sales will

1           increase. At some point you have to manufacture  
2           more, you have more profit, but it's not like  
3           they're some magical tipping point that we can  
4           lay out.

5           Q     Because that's something that we're going to  
6           have to feel comfortable about that if you put  
7           this in place, and there's this much savings  
8           that are realized that someone will actually  
9           translate that into greater employment.

10          A     (Kavet) There's so many things that you're going  
11          to have to take leaps of faith on around this  
12          that are based on reasonable estimates of  
13          things, but it's sort of laying out all these as  
14          risks, and it's difficult to weigh all those. I  
15          don't envy you.

16          A     (Rockler) I would just add, very briefly, when  
17          you see in Table 24 the line for electricity  
18          market benefits, included in those estimated job  
19          impacts are jobs that come from growth from  
20          greater competitiveness. That is, those numbers  
21          are already baked in, if you will. So that the  
22          more cost competitive the state is in terms of  
23          its own production costs, the more attractive it  
24          is for others to come to the state and for

1 producing a greater volume of goods. So they're  
2 actually in there. The model does do that part  
3 very well.

4 Q Looking at the Forward NH Plan, I read your  
5 critique of the Forward NH Plan. Do you think,  
6 though, with modifications that that could be a  
7 valuable part of the Project?

8 A (Kavet) We counted it as a valuable part of the  
9 Project. So we didn't really say it was, we  
10 just said there's some risks that it might not  
11 be as beneficial as it could be, that  
12 independent administration of it and an  
13 orientation to economic development would  
14 probably make it even more effective. But we  
15 included benefits for that and they're pretty  
16 substantial benefits so we're assuming that it  
17 will be operated in an impactful way.

18 Q One other assumption that has been offered to us  
19 with regards to business. And actually let me  
20 strike that.

21 If I go backwards, at one of our sessions  
22 we had someone say with regards to the  
23 construction part, and I'm going by memory, that  
24 if a business, if someone was to go out of

1 business as a result of the construction, it was  
2 more of an excuse than it would be as a result  
3 of the construction.

4 A (Kavet) You mean a business in a town like  
5 Plymouth or something like that?

6 Q Exactly. Your response to that?

7 A (Kavet) Well, I don't think that's true.  
8 Depends on how the construction is managed and I  
9 could very easily imagine a business if the  
10 construction period were extended and parking  
11 and access to their business was limited,  
12 they're operating on thin margins, they could go  
13 out of business and it would not be their fault.  
14 It would be as a result of this Project.

15 Q So to mitigate that, there's a couple ways that  
16 have been proposed. One is to do business  
17 claims where you could say these are the sales I  
18 lost or whatever. These are the losses I've  
19 experienced, and you'd be made whole again.  
20 Another one was that there would be increased  
21 patronage to businesses from, say, for example,  
22 construction crews, the other jobs that were to  
23 be created.

24 In your modeling does your modeling allow

1           you to take into account the fact that  
2           construction crews might have spending within  
3           the footprint of the construction area or do you  
4           take that into account at all?

5       A     (Kavet) We didn't do the construction analysis  
6           below the state level so we didn't say what's  
7           the construction impact going to be town by  
8           town, but all of those benefits are in the  
9           statewide analysis. They would not have been a  
10          part of an individual town level analysis. And  
11          to some extent that would be offsetting, but I  
12          don't think you would get the same spending that  
13          you might get from tourism access from people  
14          working on the Project but you'd certainly have  
15          some.

16       Q     So I guess that would was my question for your  
17           opinion. Whether this is something that would  
18           be meaningful or whether would it be a drop in  
19           the bucket or somewhere in between?

20       A     (Rockler) I wouldn't say construction employment  
21           and its own internal spending in the state is a  
22           drop in the bucket.

23       A     (Kavet) No, say in Plymouth, for example.

24       A     (Rockler) Oh, in Plymouth, yeah, that would be

1 hard to say whether they could offset lost  
2 businesses or whether they would exceed it and  
3 certain business they might and certain not.  
4 I'm not sure about that.

5 Q Because that has been one of the suggestions is  
6 to a degree, don't worry, there will be some  
7 patronage that will occur as a result of the  
8 Project. We've never really quantified that.  
9 We've just sort of accepted that as a truism.  
10 But, you know, I think at some point there has  
11 to be some sense of well, what does that mean  
12 for, for example, the town of Plymouth. I don't  
13 have the choice of one restaurant. I have the  
14 choice of several restaurants. And you know,  
15 that money is spread out. Does it actually end  
16 up meaning anything?

17 A (Kavet) Yeah. I don't think it would offset the  
18 losses, but it could certainly help mitigate it  
19 with some kinds of businesses. So, for example,  
20 you know, there are insurance companies and  
21 dentists and businesses like that that you're  
22 probably not going to have construction crews  
23 going in and purchasing services from.  
24 Restaurants certainly you would. You know.

1 Lodging, I don't know, you know, exactly where  
2 they'd be located. They wouldn't want to deal  
3 with some of the same parking problems that  
4 anybody else would. But it would offset it to  
5 some extent, but I don't think it would, it  
6 certainly doesn't entirely mitigate it.

7 Q Another thing that generated the discussion was  
8 at a public hearing there's a business called  
9 Polly's Pancake Kitchen off of, in Franconia,  
10 and it's off the beaten path of the underground  
11 portion which was brought up in redirect. That  
12 they're not right on the pathway. But Polly's  
13 has done a detailed analysis of here's what they  
14 see to be the impact.

15 For those businesses that are off the  
16 beaten path, not directly on Main Street, has  
17 there been any analysis, has there been any  
18 consideration to how far away from the impact  
19 zone for underground before you don't feel the  
20 effects?

21 A (Kavet) No. We haven't done anything aside from  
22 a pretty deep dive into Plymouth, what the  
23 impacts might be. So we carry an aggregate  
24 number that we think is in the ballpark of what

1 the total effects might be for that, but it's  
2 very rough and it's not bottom up. It's not  
3 like we inventoried all the businesses,  
4 calculated a percentage, that kind of thing.

5 Q Does it seem reasonable to you that Polly's  
6 might experience some impact as a result of the  
7 underground?

8 A (Kavet) Certainly.

9 Q And when you looked at the town of Plymouth, I  
10 remember saying that you're looking at a 30  
11 percent business loss? Was that, I believe  
12 that's what I saw?

13 A (Kavet) We ran a couple different ranges. I  
14 think that's the final one in the aggregate  
15 table that was used.

16 Q And I'm sure you've probably gone over this.  
17 How did you come up with that 30 percent again?

18 A (Kavet) We looked at the very thin literature on  
19 other places that had some construction  
20 disruptions, and then we also asked business  
21 owners in town, if there were disruptions of  
22 this type, what would they expect potential  
23 business losses could be.

24 Some of them, I think, wrote letters, you



1 know, to this effect that you may have seen. So  
2 we're trying to get some ballpark idea of what  
3 the potential losses could be.

4 Q Because that's quite a bit more than between the  
5 typical 5 to 15 percent or whatever.

6 A (Kavet) Well, it's over a very short period of  
7 time, though. It's over just the period of time  
8 the construction is taking place. So it's not,  
9 you know, and then we did do it by month though  
10 because there's some months where there's more  
11 visitation. So it depends when it happens as  
12 well. But there's, more of it is happening, of  
13 course, not in the winter when you would have  
14 low visitation.

15 Q And I saw that you said in Plymouth you  
16 mentioned about the total loss of parking. What  
17 did you mean by the word total?

18 A (Kavet) On the section on the Main Street a lot  
19 of the parking is at an angle on the road. So  
20 if you lose that parking, you don't have, a lot  
21 of these stores depend on the parking right in  
22 front of the establishments for people to access  
23 that.

24 Q So you're talking about individual

1 establishments' designated parking spaces? I'm  
2 just trying to reconcile the word "total" which  
3 says everything to me versus a lot.

4 A (Kavet) It would be the parking that's on the  
5 road that's under construction that you would  
6 lose. So parking outside of that, if you drove  
7 to another street and had a place to park, that  
8 would be, that would not be affected.

9 Q All right. Thank you. One quick question.  
10 Tourism experts you consulted, how did you  
11 decide on Alice DeSouza and Mark Okrant? How  
12 did you come to that conclusion?

13 A (Kavet) The Institute for New Hampshire Studies  
14 at Plymouth State University was the source of  
15 all this tourism data, and we started at the top  
16 and said let's talk to the top person we can  
17 about that and went there. We spoke with people  
18 in the state that are involved in tourism now,  
19 but there was a reluctance for any kind of  
20 opinion or statement from people that were  
21 currently state employees. So we went to people  
22 who had been state employees that had senior  
23 positions and Alice DeSouza was the most senior  
24 of those, and we thought that would be a

1 reliable or useful opinion to get.

2 Q All right. You anticipated my next question.

3 One last question. So when we talk about  
4 the right-of-way trails for ATVs because  
5 oftentimes I know what I've heard without  
6 getting into testimony is that they're a source  
7 of good trail riding and they're well  
8 maintained. But you heard differently that  
9 oftentimes that the right-of-way is posted and  
10 people don't have access. So when we look at  
11 all that mileage of right-of-ways, do you have a  
12 sense as to how much of that is posted to give  
13 that credence?

14 A (Kavet) No. We asked that of the Applicant and  
15 got no response. We wanted to know how many,  
16 you know, how many places there was access and  
17 how many miles and, you know, all that, and we  
18 didn't get a response on that. So in discovery  
19 we asked that question, but it wasn't addressed.  
20 And then we had the feedback from, I believe it  
21 was the Colebrook meeting where we had people  
22 that were ATV enthusiasts, and they spoke to  
23 their desire not to ride under the transmission  
24 line any more than they had to. They're

1 interested in riding in the woods.

2 Q All right. To the Chair, I don't know if that's  
3 something we can request as a data point is how  
4 much of the right-of-way is actually available  
5 for ATV-type activities? Is that something --

6 PRESIDING OFFICER HONIGBERG: Mr.  
7 Needleman?

8 MR. NEEDLEMAN: I think it's something we  
9 can get.

10 PRESIDING OFFICER HONIGBERG: Okay.

11 MR. WAY: Okay. Thank you. Gentlemen,  
12 thank you.

13 PRESIDING OFFICER HONIGBERG: Ms.  
14 Weathersby?

15 **QUESTIONS BY MS. WEATHERSBY:**

16 Q Good afternoon, gentlemen.

17 A (Kavet) Good afternoon.

18 A (Rockler) Good afternoon.

19 Q Just a followup question on Plymouth that  
20 Mr. Way was talking with you about. In Plymouth  
21 you seem to have assumed, am I correct that you  
22 assumed that Main Street would be closed or did  
23 you just assume a lane closure?

24 A (Kavet) No. Lane closure, but reduction in

1 parking and bottlenecks and delays and the like.  
2 Q Okay. I misunderstood something in your report  
3 then. Let's see. You'll be happy to hear that  
4 some of my questions have been already  
5 addressed. I've been deleting them throughout  
6 the day.

7 But one thing that came up this morning  
8 that I added to the list was Attorney  
9 Needleman's discussion about bias, and bias in  
10 reporting can sometimes come in subconsciously.  
11 So my question to you is when you were hired by  
12 Counsel for the Public, did you know at that  
13 point whether or not they had formed an opinion  
14 concerning the Northern Pass Transmission  
15 Project?

16 A (Kavet) Absolutely not. We were asked to do a  
17 completely unbiased analysis of it. I don't  
18 consider myself an adversary or an opponent or  
19 anything. I think people can use this report to  
20 argue both ways, depending on how you see it and  
21 how you assess the relative risks. So it's  
22 really more an analysis that can provide you  
23 with a foundation for trying to weigh these  
24 risks and arrive at a very difficult decision.

1 And so no, the analysis we were charged with  
2 doing was, you know, no thumbs on the scale,  
3 right down the middle kind of analysis.

4 When we looked at the Applicant's analysis  
5 initially, there were some areas that they could  
6 have and we thought should have included that  
7 they didn't. So, for example, they did not  
8 include in the REMI model impacts any of the  
9 property tax benefits that had been estimated.  
10 So they estimated them and said okay, they're  
11 there, but we're not going to plug them in the  
12 model and get the multipliers and include them  
13 as part of the benefit. We thought they should  
14 have been so we did include those. There were a  
15 number of areas like that. It wasn't like it  
16 was all, you know, we were just looking at ways  
17 that we could make it less impactful or more,  
18 some of the things Nick talked about ended up  
19 creating more jobs than otherwise would have  
20 been the case.

21 And there's been a shift, though, the final  
22 analysis, the rebuttal analysis that was done  
23 was just loaded up on the -- they took all the  
24 things that we said, they added, you know,

1 carbon impacts, they added a thing for a  
2 business income tax. It's a double counting in  
3 the REMI model, and it's loaded up with jobs  
4 now. So in my view it's, you know, it's really  
5 pushing the outer limits of I think what would  
6 be at all reasonable. But our goal was to  
7 present risks, try to quantify them even if  
8 they're really difficult to quantify, and give  
9 you some basis for weighing those same sorts of  
10 things.

11 Q And I was in no way insinuating that this report  
12 or your analysis was biased. I was just  
13 wondering if you were aware when you were hired  
14 whether Counsel for the Public had even had a  
15 position on the Project yet, but we don't need  
16 to go there. I understand that the, you believe  
17 the report is not biased, and clearly there are  
18 things, benefits pointed out in your report like  
19 Forward NH Fund, et cetera, that favor the  
20 Applicant. Favor approval of the Project. So  
21 I'm going to move on.

22 One thing I noticed that I didn't see in  
23 your report, and tell me if I missed it, was the  
24 economic analysis did not seem to account for

1 decommissioning of the Project. Is that  
2 correct?

3 A (Kavet) That is correct.

4 A (Rockler) That's correct.

5 Q And that, again, would be a further benefit of  
6 the Project, most likely, the spending  
7 concerning decommissions?

8 A (Kavet) Yes, the spending, and then if it were  
9 decommissioning and you removed visual  
10 encumbrance, then you'd have no basis for  
11 negative tourism and other aesthetic negative  
12 impacts. So that would have been a positive  
13 thing.

14 Q Okay. Getting down a little deeper, I'm sure  
15 Commissioner Bailey will get into this more  
16 concerning electricity benefits. I'm trying to  
17 get my head around some of it.

18 In the report you indicate that there were,  
19 the Project reduces electricity prices about \$17  
20 million a year resulting in the Gross State  
21 Product of 33 million a year. But then you  
22 state that the Gross State Product would be  
23 reduced due to the electric markets, especially  
24 in the long-term, and those reductions are



1 fairly dramatic. And I'm trying to better  
2 understand that if you can help me.

3 A (Kavet) Yes, and that is consistent with what  
4 LEI is saying as well so they have a Figure 14  
5 in their rebuttal analysis that shows the way  
6 you'll get electricity market swings. You'll,  
7 get, and, again, we took the inputs on this from  
8 Brattle Group so they're doing just the  
9 electricity side of it and you'll hear from them  
10 and their rationale, and we didn't just run one  
11 of these. We ran five different scenarios so  
12 you can say, all right, here's where I could hit  
13 along a spectrum. And I think it's difficult to  
14 know because when you asked Brattle, is there  
15 one of these that you think is most likely and  
16 we should use, they said no. So we picked one  
17 that was in the middle just for purposes of  
18 illustration of like, okay, if it's in the  
19 middle, here's an order of magnitude impact you  
20 get from that.

21 But in the REMI model you have a supply  
22 response that occurs after those benefits expire  
23 that end up being a negative, and in our table,  
24 it's a negative in terms of jobs, 192 in that

1           2030 to 2040, period and in LEI's it's a  
2           negative 250 something so both of them are sort  
3           of saying the same thing. That's what it  
4           relates to.

5       Q     So is that supply response, as you call it, sort  
6           of a recalibration of the market or plants going  
7           off being displaced?

8       A     (Rockler) I don't want to interrupt you. I  
9           think it means that the electricity market  
10          benefits do not persist beyond 2030. That is,  
11          the market reverts to its old pricing level.  
12          And without that, without the persistence of the  
13          price effect, all the jobs you gained as the  
14          prices were lowered you're now going to lose as  
15          a response. That is, you're going to become  
16          less competitive from 2030 onward without the  
17          benefit of persistent price effects.

18                 So I think that's something that's worth  
19                 talking about with the people who do these  
20                 long-run forecasts, whether they really mean to  
21                 shut the benefit off and have it go back to the  
22                 way it was so that this is just a 20-year effect  
23                 or 10-year effect or whether they think that  
24                 there may be some persistence to the rates.

1 Q And the reason they believe the effect does not  
2 linger, that's what I'm trying to get my head  
3 around, is that because of new efficient sources  
4 of power coming on so they can also sell or  
5 displacement of other plants?

6 A (Kavet) I think you want to need to talk to the  
7 people that prepared the electricity price  
8 impacts because we took their data and put it  
9 into the REMI model and ran it, the same way LEI  
10 took the property tax information from an  
11 outside consultant and plugged it into their  
12 model and ran it.

13 But I just would point out that we're  
14 consistent. I mean, there's not a huge  
15 variation in terms of that bounce-back and that  
16 swing in terms of economic impacts. There is  
17 variation on that period of maximum benefit  
18 which is the ten years preceding that so when  
19 the Project is finished, that first ten years,  
20 LEI had much higher numbers than this scenario,  
21 too, that Brattle provided us with and that  
22 would be something that Pratt could speak to.

23 Q Okay. Thank you. Switching, I guess, to jobs.  
24 I think I have one question. And I understand

1           that your report and your analysis is really  
2           presenting us with different versions of what  
3           could be a reality. It's a simulation, running  
4           different simulations, I think you said.

5       A     (Kavet) Right.

6       Q     But as you've looked at all of this, do you  
7           believe that Northern Pass Transmission Project  
8           will actually have an effect on tourism? I  
9           mean, you've put out 3 percent, 5 percent, the  
10          different simulations, but as you look at it,  
11          what do you believe the Project's impact on  
12          tourism will be?

13      A     (Kavet) Well, it's inconceivable to me that the  
14          impact will be zero, and that's what the  
15          Applicant is saying. There will be absolutely  
16          no negative impact whatsoever. Their consultant  
17          showed that in the survey work they did, 4.7  
18          percent of the respondents in the survey said it  
19          would be a critical barrier to visitation. I'm  
20          not saying -- and then 10.3 percent said it  
21          would be very important or a critical barrier to  
22          visitation. I'm not saying that what people say  
23          about it and what they do will be the same  
24          necessarily, but that's the only information we

1 have. Even a small number of people that  
2 respond badly to this can represent a  
3 substantial amount of money and economic impact  
4 so I think something closer to what we're saying  
5 is more likely than zero, and whether it's half  
6 of that or double that, I think you've got to  
7 kind of process that yourselves and say knowing  
8 what you know about the state, knowing what  
9 you've heard through these hearings, you know,  
10 how impactful could that be. And there's a  
11 continuum along which that could occur.

12 So it's not a, I wish I could give you a  
13 point forecast that I'm 95 percent certain  
14 that's going to happen. That is not the world  
15 that we live in. It's an unmeasurable kind of  
16 thing in terms of circling back and saying what  
17 it was. It's not like there are a lot of  
18 studies on it.

19 A (Rockler) We've tried to show you what's at risk  
20 because the Applicant said there was no effect  
21 so there's no risk associated with tourism in  
22 the construction of this line. And we've given  
23 you the size of the tourism market, we've  
24 adjusted it for the different zones and the

1 effects that way, and controlling for  
2 visibility, and the volume of tourism activity  
3 as the State can best represent it now with the  
4 data it has at its hand, you have a sense of  
5 what a loss might turn into at a very small  
6 rate, our .15 of one percent. If it's double or  
7 triple that you'll know what that is, and if  
8 it's half that you'll know what it is. That's  
9 all, I think. So we tried to just show you  
10 what's at risk.

11 Q I'm just trying to pin you down.

12 A (Rocker) No, that's fine.

13 Q That's okay. It's not going to happen so I  
14 understand.

15 Attorney Iacopino wants to know if .15 is a  
16 reasonable or unreasonable assumption?

17 A (Kavet) I would say it's reasonable.

18 Q Property values. Let me see if I can read my  
19 question.

20 When you determined the property value  
21 losses from the proximity to the Northern Pass  
22 Project, you first determined the properties  
23 with the view of the Project based on the  
24 viewshed mapping provided by others, and then

1           you estimated a change in the value using a  
2           maximum reduction of 1 percent and then less as  
3           it -- you're shaking your heads.

4       A     (Rockler) Well, we actually, the actual  
5           calculation we did was using the property value  
6           loss rate as determined by Callanan in her study  
7           of New Zealand properties. She defines or  
8           determined the loss rate as a function of  
9           visibility to the lines on the structures so  
10          with each incremental block of distance she will  
11          estimate for you the amount of value that's  
12          lost, and it ranges from around 27 or 28 percent  
13          right up abutting the structures and it declines  
14          very rapidly within 300 feet to almost nothing.  
15          Very small amount.

16                 So at varying distances from the line, we  
17                 estimated, and with measures of how much of the  
18                 property value is associated with that amount of  
19                 distance, we estimated values that way. So it  
20                 ranges from 27 percent right up against the line  
21                 to almost zero 300 feet away from the line.

22       Q     Okay.

23       A     (Kavet) The same study was used by the  
24           Department of Energy as one of the metrics to do

1 the same thing, but, again, understand this is  
2 not a bottom-up thing where we're looking at  
3 each property and saying this is what it is.  
4 We're simply using the percentage of land that's  
5 in the viewshed as a way to reduce the number  
6 for the potential impacts so that it's  
7 concentrated in a very small area and then  
8 assigning a distance measurement. Ideally, if  
9 we had, you know, if we knew what the view was  
10 from one of those properties and how important  
11 it was you would build it up from the bottom.  
12 That's an enormous both an in expense and time  
13 undertaking but that would be optimal. It's a  
14 statistical approach that's, you know, it's  
15 again, it's an order of magnitude estimate.

16 A (Rockler) Let me just correct something. On  
17 page 60 of our Supplemental Report, it's just a  
18 bit over 30 percent, not 27 percent, right up  
19 against the structures or lines. So if you look  
20 at that chart on page 60 it shows you the rate  
21 of decay that we used to estimate our values of  
22 property value-wise.

23 Q All right. Thank you. And then you took those  
24 property value losses and you changed it into a



1 flow of income based on rental income in New  
2 Hampshire as a way of quantifying that loss  
3 because --

4 A (Rockler) Right.

5 Q -- because obviously, it wouldn't be realized  
6 until the property is sold?

7 A (Rockler) That's right. It's not realized right  
8 away, but what we did was use a technique that  
9 the Department in Commerce uses to estimate the  
10 value of property that individuals who own it  
11 and occupy it as housing, they need to turn it  
12 into a rental equivalent value. So they had a  
13 technique which estimates what the rent is for  
14 properties of equivalent characteristics to  
15 those that are owned by different residents  
16 across the county. So if you have a house of  
17 2,000 square feet and it has two bathrooms and  
18 three bedrooms and a garage, that rents for  
19 \$1,600 in this area. So what you say is the  
20 value of that property produces a flow of \$1,600  
21 worth of rental income to the owner essentially.  
22 You're giving them a proxy measurement for the  
23 income value of the property they own.

24 So that's what we've done here. We've

1 taken the imputed rent of property ownership and  
2 said this is the value of this property in terms  
3 of a monthly income stream, and if you lose a  
4 portion of that income stream, that's what it  
5 would cost -- if you lose it as a result of  
6 proximity to the line and the market valuing it,  
7 ultimately what it does transact for less than  
8 it otherwise would, that's the imputed value  
9 that's lost. So that's how we did the  
10 estimation.

11 Q So you assumed that a, say a ten percent  
12 reduction in a property's market value, it was  
13 equivalent to a ten percent reduction in its  
14 rental income potential?

15 Q (Rockler) Imputed, yes.

16 A (Kavet) That's right. It was an attempt to find  
17 a way to enter some measure into the REMI model  
18 that would be meaningful. It was so small just  
19 as an imputed rent that it really didn't  
20 register. I mean, it's one of those things that  
21 even though the total impact could be \$15  
22 million and if you took the affected parties it  
23 could be very large for some of them  
24 individually, but it's a paper loss until you

1 sell it, and it's not something that's easy to  
2 enter into the model in a meaningful way. So we  
3 kept that separate and just identified an order  
4 of magnitude of it and characterized it as  
5 something that could affect a relatively small  
6 number of people but in a very significant way  
7 in some cases.

8 Q Did I hear you say a moment ago that this was a  
9 process that was used in another, by others? Is  
10 this a standard procedure?

11 A (Rockler) I wouldn't say this is a standard  
12 procedure. This is an extension of the use of  
13 the imputed rent data to try to derive value  
14 from ownership in this circumstance. I don't  
15 know that it's been done in this particular  
16 fashion based on visibility losses or using the  
17 literature to drive with.

18 A (Kavet) And the estimate of the total loss is  
19 pretty standard. It's how do you get that into  
20 the REMI model in a meaningful way, and it  
21 wasn't something that was easy so we kept it  
22 separate.

23 A (Rockler) And there's a lot of uncertainty about  
24 the persistence of the property value changes.

1 I mean, the market will adjust once the line is  
2 there. And again, you may see a smaller pool of  
3 buyers but ones for whom the visual affect of  
4 the line may not make any specific difference at  
5 that point. The market has a way of adjusting  
6 to that, and you may have fewer buyers, but  
7 there's still a market for it. It's hard to say  
8 how long the visual impact persists. So we got  
9 to be very uncertain as to how you really want  
10 to approach that in a long range sense. In a  
11 very long range sense the loss of property,  
12 we've calculated it to be pretty small. The  
13 loss of imputed rental income. It doesn't move  
14 the REMI model very much.

15 MR. IACOPINO: I'm going to ask that you  
16 both keep your voices up. There's some folks in  
17 the back can't hear you.

18 A (Kavet) Okay. Thanks.

19 A (Rockler) Sorry.

20 Q Just with regard to the property value decrease  
21 your Table 25 of your report seems like a good  
22 summary of effects on Gross State Product, but I  
23 notice that the property value exchanges or the  
24 rental in that rental income analysis is not

1 included in that, and I'm wondering if you could  
2 tell me why.

3 A (Kavet) As we said, it didn't lend itself to  
4 entry into the REMI model in a meaningful way so  
5 we treated it as a separate issue but didn't  
6 include it as a part of the scorekeeping that  
7 would flow through the REMI model.

8 Q But had you, then the negative effects of the  
9 Project as outlined on Table 25 would be  
10 greater?

11 A (Kavet) Yes. It would be a negative effect.  
12 It's just the way it works itself into the  
13 economy would end up being fairly, so small as  
14 to not really be significant, but that said,  
15 understanding that on an individual basis could  
16 be very, very significant, and the total could  
17 be \$15,000,000 or more, depending on number of  
18 affected properties.

19 Q Okay. Thank you. That's all I have.

20 PRESIDING OFFICER HONIGBERG: Commissioner  
21 Bailey?

22 **QUESTIONS BY COMMISSIONER BAILEY:**

23 Q Thank you. Good afternoon. Most of my  
24 questions have been asked, but I want to ask

1 followup questions in general because I want to  
2 make sure that I'm understanding what I heard.

3 So the first thing I'd like to talk about  
4 is supply response, and do I understand that  
5 when you say supply response you're talking  
6 about the response of the economy when savings  
7 are no longer there?

8 A (Kavet) Yes.

9 Q Okay.

10 A (Rockler) Yes.

11 Q And the negative numbers in the electricity  
12 market effects in the Gross State Product table,  
13 are those the result of the lost jobs from the  
14 supply response, the negative 30 and the 2030?

15 A (Kavet) The same event is causing both of the  
16 those things to be negative so they're  
17 consistent with one another.

18 Q So we lose 192 jobs so, therefore, the  
19 electricity market is going to lose \$30 million?

20 A (Kavet) No. The impact on the state economy is  
21 negative \$30 million. So those are two metrics  
22 that are measuring the same, that are reflecting  
23 the same event. So the model has a supply  
24 response that results in 192 fewer jobs and \$30

1 million less in Gross State Product relative to  
2 the baseline.

3 Q And that's because there's no more savings from  
4 the capacity market. Or from the electricity  
5 market.

6 A (Kavet) Pricing capacity. Yes.

7 A (Rockler) Combined price and capacity. Yes.

8 Q Combined energy and capacity?

9 A (Rockler) Right. Yes.

10 Q So how does the GSP increase from the  
11 electricity market or how does the GSP increase  
12 in the electricity market effects and in both  
13 tables during construction? How does the  
14 electricity market --

15 A (Rockler) It's that overlap into 2020. That's,  
16 what you're seeing is the effect of one year  
17 because the Project goes live in part of 2020.  
18 So it has the immediate effect of that one year.

19 A (Kavet) There's a little bit of spillover in  
20 that one year because you have operational  
21 effects and the end of the construction effects  
22 occurring so there's, you know --

23 Q So the model assumes that the operations begin  
24 some time in 2020.

1 A (Kavet) In this case.

2 A (Rockler) Yes. The model doesn't assume it.  
3 We put it in.

4 Q Thank you. Okay. I think I'm good on the table  
5 now.

6 In your original Direct Testimony, you make  
7 a statement that you think that the impacts on  
8 tourism are greater if visitors encounter  
9 transmission lines multiple times as they travel  
10 through the region.

11 A (Kavet) Yes.

12 Q What do you base that on?

13 A (Kavet) Common sense, I think.

14 Q Okay. That's your opinion?

15 A (Kavet) That's my opinion. That's right. So  
16 when we say is it's a viewshed limited sort of  
17 effect. You have no idea exactly how many times  
18 a visitor may see the line and the more  
19 frequently it's seen and more frequently it's  
20 seen in places that it's not expected you might  
21 get a more intense response. So we're not,  
22 we're not basing numbers on some average number  
23 like that, but it's just a point to keep in mind  
24 that it's not, there's one destination somebody



1 goes to and they drop out of the air and that's  
2 the only thing and if there's no view there's no  
3 effect. Sometimes they could, you know, it  
4 could be prominent in an area that they drive  
5 through and it could still have a negative  
6 effect.

7 Q In your initial Exhibit A you have a lot of  
8 contacts from Plymouth businesses who are  
9 concerned about loss of business, and I was  
10 wondering if you're familiar with Northern  
11 Pass's offer to make up for lost business  
12 revenue with their business interruption claim?

13 A (Kavet) I was recently shown a copy of, I don't  
14 know if it's a final document or some draft  
15 that's to that effect.

16 Q Do you think that that would mitigate the impact  
17 on businesses?

18 A (Kavet) If there was some kind of either  
19 coincident payment or lending capacity with a  
20 true-up later on so that payroll could be  
21 maintained and things like that right during the  
22 period that it's happening and if it were  
23 independently administered, I think it could.

24 Q Okay. I would characterize your Direct

1           Testimony about Plymouth is that you believe the  
2           construction impact on Plymouth is going to be  
3           particularly harsh.

4           A     (Kavet) It's a high risk is what I would say.  
5           So there are ways to mitigate it and things that  
6           could be done, but right now it's, you know, the  
7           feedback we've gotten and from what we know  
8           about it, it represents a risk. It's not, you  
9           know, we've tried to quantify that and give you  
10          an order of magnitude on it, but it's a negative  
11          risk that right now exists.

12          Q     Do you think that that negative risk is an  
13          unreasonable impact?

14          A     (Kavet) Well, it's a significant impact,  
15          especially to the businesses and people in that  
16          locale. It's obviously, you know, when you  
17          start to move back out and say well, the whole  
18          state or something like that it's much smaller  
19          as a share of everything else, but that's what  
20          it is.

21          Q     Okay. That's all I have. Thank you.

22          A     (Kavet) Thank you.

23                   PRESIDING OFFICER HONIGBERG: Mr. Iacopino?

24           **QUESTIONS BY MR. IACOPINO:**

1 Q Just a couple clarifying questions. You  
2 referenced a figure before when you were asked  
3 about your confidence in the model, well, I  
4 guess it was in the modeling, but you referenced  
5 your revenue forecasting for the State of  
6 Vermont, and I think what you told us is that  
7 you are within two percent on that revenue  
8 forecasting. Is that correct?

9 A (Kavet) Average absolute error is around, is a  
10 little less than two percent.

11 Q Okay. That's not economic forecasting. That's  
12 just revenue forecasting, though, or is there a  
13 difference?

14 A (Kavet) Well, we have to do economic forecast to  
15 get to the revenue forecast so revenue models  
16 are built on economic variables that we also  
17 forecast so you have to do both.

18 Q Okay. So you were very careful to say that  
19 using the REMI model is not forecasting.

20 A (Kavet) That's right.

21 A (Rockler) That's right.

22 Q Does that two percent translate to your use of  
23 the REMI model? I mean, is that a fair  
24 translation?

1 A (Kavet) No. That's what we're saying. It's not  
2 a point forecast. It's a simulation model, and  
3 depending on what you assume, you're going to  
4 have a different outcome, and it's used to allow  
5 bodies such as yours to evaluate relative risk.

6 Q And is there some base level margin of error in  
7 the REMI model?

8 A (Rockler) Not that's measured explicitly, no.  
9 Each of the data sources that go into it has  
10 survey error, it has data collection error.  
11 They're census data, largely, and census-related  
12 related data so each one of those things has  
13 error associated with it. On a national level,  
14 those tend to be very small, but in individual  
15 regions, they started having to make estimates  
16 for certain things that are sometimes suppressed  
17 in the data or missing.

18 So there are lots of reasons to be  
19 skeptical as to its hundred percent accuracy  
20 level or claims that it's highly accurate. It's  
21 a representation of the economy as an accounting  
22 driven machine and the accounts are thought to  
23 be pretty good, but they're not flawless, and  
24 the notion that things operate in the future the

1 way they have in the past is sometimes a weak  
2 assumption.

3 So implicit in the model are things like  
4 historical growth and historical responses to  
5 different economic phenomenon so that you take  
6 into account the response to the economy to  
7 changes in prices, in that case electricity  
8 prices. We do it for residences, commercial and  
9 industrial rates. If those industries have  
10 undergone some sort of technological change that  
11 makes them less or more responsive to changes in  
12 price, it's not going to show up in the model.  
13 Model uses history. It's a backward looking  
14 device.

15 Q So if I understand what you're explaining right  
16 now, though, is what you're saying is that yes,  
17 there's some margin of error in there. It's  
18 just not published, and we don't know what it  
19 is.

20 A (Rockler) That's correct.

21 A (Kavet) No, and it would be almost impossible to  
22 calculate. It would depend on the run you did,  
23 and then going back and could you even validate  
24 something, are there data that support

1 validation. Even in national income accounts  
2 that feed this, if you saw how some of the  
3 sausage was made with respect to the economic  
4 statistics that you hear every day on even  
5 things like employment and gross national  
6 product and things like that, you know, some of  
7 them are a lot weaker than some of the  
8 constructs that we've used here.

9 Q Thank you. No further questions.

10 **BY PRESIDING OFFICER HONIGBERG:**

11 Q Everything I was planning on asking has been  
12 asked, but something struck me when you were  
13 talking about the area around the Steeplegate  
14 Mall in Concord. Someone made a reference to  
15 the new Chipotle underneath or right near the  
16 lines. Where a piece of property can see the  
17 existing line or is right on top of the existing  
18 line, abuts it, is the change to having taller  
19 lines or more lines in the right-of-way that is  
20 already right next to them greater than, less  
21 than, or the same as the new effect or the delta  
22 on someone who is at the next property or the  
23 property after that who might not have had such  
24 a pronounced view of it, of the line, the

1 existing line already? Do you understand what  
2 I'm asking?

3 A (Kavet) I think so.

4 A (Rockler) The existing property won't see that  
5 change if they're right up against the line as  
6 they now are. Raising the height probably won't  
7 have much of an effect, I don't think. I can't  
8 think of --

9 Q Intuitively, that's what I think is probably  
10 correct, but I'm not an expert in this field.

11 A (Rockler) But you're right up against it. Well,  
12 we're not experts in visual phenomenon either as  
13 much as the --

14 Q But I think you said that your calculations of  
15 financial impact are at the sliding scale as you  
16 start right next to it and move farther away.

17 A (Rockler) That's right.

18 A (Kavet) But it's not done property by property  
19 bottom up. We're applying a percentage to an  
20 entire town and derived from a town and saying,  
21 all right, this is, you know, this is a  
22 reasonable estimate of a range. So you might  
23 have, you know, less visitation in a region that  
24 could affect one establishment even, but it

1           could also affect establishments that are  
2           outside of the viewshed.

3       Q     Right.

4       A     (Kavet) It's not, you know, there's a tendency  
5           to try to think of it bottom up, but this is a  
6           statistical analysis looking at broad areas.

7       Q     But I'm concerned that one of the basic  
8           assumptions of the statistical analysis is  
9           flawed where the new line would go in an  
10          existing right-of-way.  Because even looked at  
11          at the macro level, you're making a basic  
12          assumption about effects geographically moving  
13          away when it seems like it may be a straight  
14          line after the first property or after the  
15          second property, but that's going to pretty much  
16          be true across the board.  So you don't have to  
17          go property by property.  You would be applying  
18          just a slightly different formulation of what  
19          you already did.

20      A     (Kavet) There are a lot of nuances in this on  
21          both sides of that.  So you also have people  
22          that are traveling within an area and  
23          encountering the line at different times and  
24          different ways.  We simply use the visibility



1 metric as a way to narrow the impact so it  
2 narrows it to 1.5 percent of all of the areas in  
3 those affected areas. So it's simply saying we  
4 just don't want to put five percent on a hundred  
5 percent of the tourism activity. That would be  
6 a huge number, and we just don't think that's  
7 realistic. So what can we use that says let's  
8 try to focus it to an area that could, you know,  
9 as a way to potentially say, you know, you can  
10 argue it could be higher than that because  
11 people are traveling all the time and seeing it  
12 many, many different times, and it's simply a  
13 way to narrow that. It's not a micro level  
14 analysis that says okay, we've excluded that  
15 perfectly and this one not. It could be done if  
16 you had a parcel sort of basis and built it  
17 bottom up. It could be a huge endeavor to do  
18 that.

19 Q I appreciate that. Thank you. All right.

20 Mr. Way has a question.

21 **QUESTIONS BY MR. WAY:**

22 Q Just one last question. You said something to  
23 Ms. Bailey that piqued my interest in terms of  
24 the business claims process where a business can

1 submit claim after the fact for sales, and you  
2 mentioned that it might be something that could  
3 be a loan or some sort of process for before the  
4 fact. Or and then you mentioned about it be an  
5 independent entity. Expand on that a little bit  
6 more. What kind of independent entity are you  
7 thinking?

8 A (Kavet) Well, the way a lot of relief or  
9 disaster response kind of things like after the  
10 BP oil spill, there's an independent entity that  
11 then makes decisions about what sort of payments  
12 are appropriate. So the entity that's having to  
13 pay isn't saying, you know, isn't controlling  
14 that in a way that has any bias or, you know, so  
15 that's just a fairer way to do it.

16 The timing is the other issue. A company  
17 if they're going to meet the payroll, they have  
18 to have a cash flow that's going to support  
19 that, and that, you know, the idea is that you  
20 don't lay off your employees during this as you  
21 can keep them on even though your business dips  
22 and there would be some compensation.

23 So it just has to be timely, and that's why  
24 if there's a lending operation with a true-up or

1 a very quick response to a loss, it would enable  
2 a business to stay in business and not lay  
3 people off.

4 Q So that makes me think. We also have the  
5 Forward NH Fund which is providing upfront  
6 grants for job creation.

7 A (Kavet) Right.

8 Q Do you see opportunities for the two to be put  
9 together?

10 A (Kavet) Sure, and it's a substantial amount of  
11 money that could be directed in different ways,  
12 you know, if you didn't want to incur additional  
13 expense and would be more than sufficient to, I  
14 mean, it would be a small part of that, of the  
15 total commitment that's there.

16 Q Okay.

17 A (Kavet) Same with property valuation. It would  
18 be more than adequate to compensate affected  
19 parties.

20 Q Thank you.

21 PRESIDING OFFICER HONIGBERG: Commissioner  
22 Bailey?

23 **QUESTIONS BY COMMISSIONER BAILEY:**

24 Q When the supply response produces a negative

1 impact on the economy in your tables, would you  
2 say that that's a result of the Project?

3 A (Kavet) Well, it's a result of the change in the  
4 assumptions about the electricity price savings.  
5 And it's not just our table, it's also in the  
6 Applicant's table.

7 Q Okay. Thank you.

8 A (Kavet) So it's consistent.

9 PRESIDING OFFICER HONIGBERG: All right.  
10 Any other questions from members of the  
11 Committee? All right. Seeing none, Mr. Pappas,  
12 do you have any redirect for your witnesses?

13 MR. PAPPAS: I do. May I suggest just a  
14 five-minute break?

15 PRESIDING OFFICER HONIGBERG: You certainly  
16 can suggest that, and we'll take a ten-minute  
17 break.

18 MR. PAPPAS: That would be fine.

19 (Recess taken 2:50 - 3:00 p.m.)

20 PRESIDING OFFICER HONIGBERG: All right,  
21 Mr. Pappas. You may proceed.

22 MR. PAPPAS: Thank you, Mr. Chair.

23 **REDIRECT EXAMINATION**

24 **BY MR. PAPPAS:**

1 Q Gentlemen, I just have a few followup questions  
2 to ask you. First you were asked some questions  
3 about your work in TDI, and I want to follow up  
4 some of what Mr. Needleman asked you. He showed  
5 you Applicant's Exhibit 301. And on the screen  
6 now in front of you is Applicant's Exhibit 301.  
7 It is the Prefiled Testimony, Mr. Kavet, that  
8 you gave in Vermont. Do you see that?

9 A (Kavet) Yes.

10 Q And he specifically asked you about pages 17 and  
11 18, and if you look on page 17 starting at line  
12 18, he asked you about your testimony where you  
13 said, quote, "The primary negative externalities  
14 considered in this economic analysis were  
15 possible traffic delays and potential negative  
16 impacts on local businesses that could be  
17 affected by traffic issues during underground  
18 constructive work. These were not considered  
19 large enough to include as model inputs based on  
20 TDI New England's other testimony in this case  
21 indicating that such negative externalities  
22 would be minimal and temporary, with local  
23 business access maintained during construction  
24 periods and minor detours planned where

1 necessary to keep traffic flowing."

2 Do you recall that?

3 A Yes. I do.

4 Q Could you explain to the Committee why it is in  
5 TDI you found as I just read and some of your  
6 findings in this case are different?

7 A (Kavet) The negative impacts that affect tourism  
8 property valuations were largely, were entirely  
9 mitigated by the fact that it was underground or  
10 under water the entire time so you had no  
11 aesthetic impacts.

12 The construction-related negative impacts  
13 were mitigated by a very thorough process that  
14 the Applicant in this case went through with  
15 each town that was involved. There was not a  
16 single town on the route that opposed the  
17 Project. There were all kind of work-arounds  
18 that they did, sometimes changing the route,  
19 sometimes doing things that would ensure smooth  
20 flow of traffic and access to businesses, but  
21 there wasn't a single town on the entire  
22 underground route that was opposed to the  
23 Project.

24 Q Now, you had also been asked about the TDI case

1           you didn't find or you found long-term positive  
2           impacts and it was a little different in this  
3           case. Do you recall that?

4           A     (Kavet) Yes. We didn't go out as far with the  
5           analysis, but the analysis of the longer term  
6           impacts were notable in that even though  
7           capacity market benefits were estimated by an  
8           outside energy consultant, we did not include  
9           those in the REMI model. The Applicant wanted  
10          to be conservative with the inputs and the  
11          benefits that the Project could bring and they  
12          directed us not to include that as an economic  
13          benefit in the REMI model. So, you know, I  
14          think it was a conservative decision, but quite  
15          often I think an Applicant would want to err on  
16          the side of being conservative.

17          Q     So in TDI, did you also rely on another  
18          consultant to provide you with the analysis for  
19          the energy market and the capacity market?

20          A     (Kavet) Yes. Very similar to the way we did  
21          with Brattle, Leveton was the consultant in that  
22          case. Leveton was the outside list for energy  
23          markets in much the same way that Brattle was in  
24          this case.

1 Q And did Leveton provide you with their analysis  
2 of the energy markets?

3 A (Kavet) Yes.

4 Q Did you include that in your REMI model for the  
5 TDI Project?

6 A (Kavet) Just the market prices, not the capacity  
7 market benefits. So they called them out and  
8 said here's what they are, but they didn't go  
9 through the REMI model and generate all the  
10 secondary benefits and count as part of the job  
11 counts that we used in that analysis.

12 Q Okay. And that was a decision not to include  
13 those capacity --

14 A (Kavet) Yes. I think, there's some concern in  
15 the discussions about the difficulty of  
16 allocating that on a state-by-state basis and  
17 just wanting to be conservative with the overall  
18 benefits.

19 Q Okay.

20 A (Rockler) And I don't think Leveton was  
21 convinced that the additional capacity that TDI  
22 was bringing in would qualify. So there was  
23 some uncertainty about that and they said given  
24 the level of uncertainty, let's leave it out.



1 Q Okay. Now, you were asked earlier today about  
2 your analysis of Northern Pass Transmission  
3 lines' impact on property values so I just want  
4 to follow up with a few questions about property  
5 values.

6 What did you consider to be the biggest  
7 factor in your analysis of any impact on  
8 property values?

9 A (Kavet) Visibility, I think, is the primary  
10 mechanism through which there's an impact.

11 Q And did your methodology seek to capture the  
12 impact from visibility?

13 A (Kavet) At a macro level, yes. That's why we  
14 used the data that T.J. Boyle had on visibility  
15 to scale that.

16 Q In your opinion, were there properties that  
17 could be impacted by visibility that were not  
18 included in Dr. Chalmers' work?

19 A (Kavet) Yes. I mean the, his focus was on  
20 property that were proximate to, very close to  
21 the power line and very little beyond that. So  
22 that a property even like the one that he  
23 speculated might have an impact loss of, you  
24 know, a view lot that was \$200,000 could be a

1           hundred thousand or even \$75,000, that sort of a  
2           lot of it if it wasn't proximate to the power  
3           line would not have been included. So that's a  
4           sort of thing, who knows how many of those there  
5           might be, but it's inconceivable that there are  
6           none.

7           Q     And when you refer to that kind of lot, are you  
8           referring to the interview Dr. Chalmers gave to  
9           New Hampshire Public Radio?

10          A     (Kavet) That's correct.

11          Q     Now, you were asked about the New Zealand study  
12          that you refer to in your report. In the New  
13          Zealand study what was the key factor in  
14          assessing impact on property values?

15          A     (Rockler) Once again, it's visibility to the  
16          lines and visibility to the structures. Both of  
17          those things.

18          Q     Did it make a difference whether it was  
19          visibility to the structures or visibility to  
20          the lines?

21          A     (Rockler) I think they both had an impact, if I  
22          recall correctly.

23          Q     Now, the New Zealand study was first done in  
24          1995; is that right?

1 A That's correct.

2 Q And it looked at 444 property transactions?

3 A (Rockler) That's right.

4 Q And in your opinion was it a well-performed  
5 study?

6 A (Rockler) I think it has the, yeah, a lot of the  
7 characteristics of a very well-performed study.

8 Q And why is that? Why do you believe that?

9 A (Rockler) This is a technique which is used to  
10 identify the value of different attributes of  
11 properties. So not only is the visibility of  
12 the property included but the degree of  
13 improvement of the property characteristics that  
14 the property brings to the market that people  
15 would look at in terms of valuing when they make  
16 a purchase. This uses a large sample of  
17 transactions, and they are all vetted as  
18 arms-length transactions. They are  
19 comprehensive, I think. The number of variables  
20 that are included with the property descriptions  
21 is about 10 or 12, if I recall correctly. And  
22 yeah, visibility is one of the key factors so  
23 it's an objective means of establishing the  
24 value of different attributes of a property.

1 Q Now, we've heard the term hedonic study. Would  
2 you consider the New Zealand study to be a  
3 hedonic study?

4 A That's correct, yes. That's a study that uses  
5 characteristics in a regression-based model to  
6 try to ferret out the value of individual  
7 attributes of the property to put a weight or a  
8 value on each one of those.

9 Q And did I hear you correctly that the Department  
10 of Energy also relied on the New Zealand study  
11 in the EIS?

12 A They do, and it's cited in a number of other  
13 places, even a set of recent studies we just  
14 found in the last couple of weeks, 2017 studies.  
15 Too late to include in our Supplemental, but  
16 ones that list that study very specifically as  
17 an example of a very well done hedonic  
18 statistical study in terms of valuing property.

19 Q Earlier today Attorney Needleman asked you some  
20 questions bouncing back between Table 16 and  
21 Table 17 so on the screen now is Counsel for the  
22 Public's Exhibit 586 which we have put both  
23 tables on one page for convenience sake.

24 Could you just briefly explain to the

1 Committee what you're trying to explain in Table  
2 16 and what you're trying to explain in Table  
3 17?

4 A (Kavet) Yes. It may have been confusing, but we  
5 were essentially trying to say what is the  
6 distribution of properties that exist. So if  
7 you had a flat one percent impact, what would it  
8 be, and what did we actually use when we applied  
9 the Callanan and Hargreaves data to that set of  
10 properties, that's the actual impact that you  
11 get, and you see it decreases substantially as  
12 you get out very far. It's almost  
13 infinitesimally small, but one is just a flat  
14 one percent times the total number of  
15 properties, it's property value, and the other  
16 is scale.

17 Q Okay. So the Table 16 is sort of an example and  
18 Table 17 is the analysis?

19 A (Kavet) That's right.

20 A (Rockler) That's right.

21 Q Okay. Now you were asked a number of times this  
22 morning about you could have followed up with  
23 the Data Request if you couldn't find something  
24 in LEI's workbook and so forth. Do you remember

1           that?

2           A     (Rockler) Yes. I do.

3           Q     And in your Data Request, did you request a  
4           complete copy of LEI's REMI workbook and other  
5           working documents to review?

6           A     (Rockler) That's precisely what we did. We  
7           asked for all of it.

8           Q     Was it your understanding that you in fact  
9           received all of LEI's workbooks and working  
10          papers?

11          A     (Rockler) That's correct. So that if we had all  
12          the working papers we would know how certain  
13          values were derived. We would see where they  
14          come from.

15          Q     So if you couldn't find something in one of  
16          their documents, did you assume that it wasn't  
17          there because you had all their documents?

18          A     We had asked for it. We didn't get it. It  
19          doesn't exist.

20          Q     So let me ask you, you had some questions  
21          earlier about the missing \$98 million. Do you  
22          recall that?

23          A     (Rockler) Yes.

24          Q     And you were asked a question about one method

1           that LEI used and you indicated that in your  
2           opinion they didn't do the proper method. Do  
3           you recall that?

4           A     (Rockler) Yes.

5           Q     You weren't given the opportunity to explain why  
6           they didn't use the proper method and you did so  
7           why don't you explain to the Committee why you  
8           think their method was not proper?

9           A     (Rockler) Yes. What they allow the model to do,  
10          they say well, we're going to input the wrong  
11          data, and we're going to then calculate what the  
12          effect of that measuring it as kind of a  
13          quasistate product so that's really called value  
14          added, but they're similar concepts, and what  
15          they did was they said well, we'll go ahead with  
16          the misestimation and then we'll subtract it out  
17          at the end. But it's not given the same  
18          composition by industry or the effects that have  
19          an effect on local activities, different local  
20          activities weighted properly. It's just an  
21          aggregate removal of this value added that's  
22          misestimated. It's an odd way to do it. It's  
23          not a standard procedure by any means.

24          Q     Okay. Now, you also had some questions this

1 morning and testimony about the intermediate  
2 materials purchased. Do you recall that?

3 A (Rockler) Yes.

4 Q And you were shown some exhibits where there  
5 were numbers and you had recalled using \$34  
6 million and this related to the difference in  
7 the labor number for 18 percent difference. Do  
8 you recall that?

9 A (Rockler) That's correct. Yes.

10 Q And you weren't able to locate quickly in front  
11 of you the \$34 million, correct?

12 A (Rockler) Right.

13 Q Are you willing to go back and look at your --  
14 do you need to look at all your material in  
15 order to come up with that?

16 A (Rockler) I need to have the full set of the  
17 files that I used to prepare the input data,  
18 yes.

19 Q Are you willing to go ahead and look for that  
20 and provide that?

21 A (Rockler) It is now on the schedule. We will  
22 hope to get that back to you by the end of the  
23 week. If there's a change that needs to be made  
24 in the tables to reflect a problem, yeah, we'll



1 make that change.

2 Q Okay. So you'll go back and look, and if you  
3 can locate it you'll identify it, and if there's  
4 a change to be made you'll make the change?

5 A (Rockler) I'll tell you exactly what I find.

6 Q And if there's no change to be made, you'll  
7 indicate that?

8 A (Rockler) I will.

9 MR. IACOPINO: What are we calling that  
10 document?

11 MR. PAPPAS: It came up in, I believe,  
12 Applicant's 303 was the document that those  
13 numbers on the bottom indicated, and he couldn't  
14 recall where the \$34 million came up.

15 A (Rockler) It's the highlighted Redimix input  
16 data, the value of Redimix purchased in New  
17 Hampshire.

18 MR. IACOPINO: Okay.

19 A (Rockler) Redimix concrete. I should be clear.

20 Q Now, you were shown earlier today the quote from  
21 the person from the Chamber of Commerce in  
22 Sedona regarding putting a transmission line in  
23 that area. Do you recall that?

24 A (Kavet) Yes.

1 Q Am I correct that before the -- was that, I  
2 believe, the President of the Chamber of  
3 Commerce?

4 A (Kavet) Yes. She is.

5 Q And before the President of the Chamber of  
6 Commerce in Sedona was able to provide that to  
7 you, did she need to clear that with her Board  
8 of Directors?

9 A (Kavet) Yes.

10 Q And was one member of her Board an executive  
11 from an electric company?

12 A (Kavet) Yes. From Arizona Public Service. I  
13 think that was mentioned in a question from the  
14 Committee.

15 Q Now, when you met with business owners in  
16 downtown Plymouth, had some of them indicated to  
17 you that they had gone through past construction  
18 projects in their area?

19 A (Kavet) Yes. Several had mentioned.

20 Q And did some of them express to you some of the  
21 business losses they had incurred in those past  
22 Projects?

23 A (Kavet) They did.

24 Q Did they express to you that they had the same

1 concern for potential business losses in this  
2 Project?

3 A (Kavet) Yes. And from some things that, you  
4 know, you might not guess. You know, there's  
5 the traffic flows and all, but one mentioned  
6 just the level of dust was a real problem. They  
7 had to like dust everything in their store each  
8 day because there was a lot of dust that was  
9 created, and they were selling gifts and things  
10 like that. So that, you know, that wasn't  
11 something that jumped to mind for me as a  
12 potential issue or something so yeah, it was  
13 useful to be able to get that kind of feedback  
14 on potential issues.

15 Q Thank you, gentlemen. I have no other  
16 questions.

17 PRESIDING OFFICER HONIGBERG: All right. I  
18 think we are done with these witnesses. There's  
19 no one else we are calling today so I think  
20 we're going to adjourn and be back tomorrow  
21 morning with --

22 MR. PAPPAS: Our Aesthetics Panel.

23 PRESIDING OFFICER HONIGBERG: The  
24 Aesthetics Panel. Mr. Needleman, you look like

1           you want to say something?

2           MR. NEEDLEMAN: I do, and I'm not sure it  
3           needs to be on the record. My question is do we  
4           have any sense of the witnesses who will be  
5           coming after the Aesthetics Panel.

6           PRESIDING OFFICER HONIGBERG: Off the  
7           record.

8                           (Discussion off the record)

9                           (Hearing adjourned at 3:26 p.m.)

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C E R T I F I C A T E

I, Cynthia Foster, Registered Professional Reporter and Licensed Court Reporter, duly authorized to practice Shorthand Court Reporting in the State of New Hampshire, hereby certify that the foregoing pages are a true and accurate transcription of my stenographic notes of the hearing for use in the matter indicated on the title sheet, as to which a transcript was duly ordered;

I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this transcript was produced, 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.

Dated at West Lebanon, New Hampshire, this 17th day of October, 2017.

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Cynthia Foster, LCR

