

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSION

March 23, 2018 - 10:07 a.m.  
Concord, New Hampshire

DAY 5  
Morning Session ONLY

11 APR '18 PM 12:25

RE: DG 17-048  
LIBERTY UTILITIES (ENERGYNORTH  
NATURAL GAS) CORP. d/b/a LIBERTY  
UTILITIES: Request for Change in  
Rates. (Hearing on the merits)

**PRESENT:** Chairman Martin P. Honigberg, Presiding  
Commissioner Kathryn M. Bailey  
Commissioner Michael S. Giaimo

Sandy Deno, Clerk

**APPEARANCES:** Reptg. Liberty Utilities (EnergyNorth  
Natural Gas) Corp. d/b/a Liberty  
Utilities:  
Michael J. Sheehan, Esq.

**Reptg. Residential Ratepayers:**  
D. Maurice Kreis, Esq., Consumer Adv.  
Brian D. Buckley, Esq.  
Pradip Chattopadhyay, Asst. Cons. Adv.  
Office of Consumer Advocate

**Reptg. PUC Staff:**  
Paul B. Dexter, Esq.  
Alexander F. Speidel, Esq.  
Stephen Frink, Dir./Gas & Water Div.  
Al-Azad Iqbal, Gas & Water Division

Court Reporter: Steven E. Patnaude, LCR No. 52

**CERTIFIED  
ORIGINAL TRANSCRIPT**

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**WITNESS PANEL:            GREGG H. THERRIEN  
                                  BEN JOHNSON**

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**E X H I B I T S**

<b>EXHIBIT NO.</b>	<b>D E S C R I P T I O N</b>	<b>PAGE NO.</b>
58	American Gas Association Energy Analysis titled "Natural Gas Rate Structure: The Customer Charge Component - 2015 Update" (05-28-15)	8
59	RAP document titled "Revenue Regulation and Decoupling: A Guide to Theory and Application" (November 2016)	8
60	Document titled "Docket No. DG 17-048 Request No. OCA 1-74, Section (h) (6 pages)	8



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1 MR. SHEEHAN: Thank you.

2 **GREGG H. THERRIEN, SWORN**

3 **BEN JOHNSON, SWORN**

4 **DIRECT EXAMINATION**

5 BY MR. SHEEHAN:

6 Q Mr. Therrien, could you please introduce  
7 yourself, your employer, and what you were  
8 asked to do in this docket.

9 A (Therrien) My name is Gregg Therrien. I'm  
10 Assistant Vice President with Concentric Energy  
11 Advisors. I've been retained by the Company on  
12 the matters of decoupling and rate design.

13 Q And you filed testimony in this docket?

14 A (Therrien) Yes, I did.

15 Q And two pieces of testimony, correct?

16 A (Therrien) Yes.

17 Q And I can inform you they have been marked as  
18 Exhibits "8" and "27". Do you have any changes  
19 to either your initial or your rebuttal  
20 testimony?

21 A (Therrien) No, I do not.

22 Q And if I were to ask you the questions in that  
23 testimony today, would your answers be the  
24 same?

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1 A (Therrien) Yes, they would.

2 Q And do you adopt that written testimony as your  
3 sworn testimony?

4 A (Therrien) I do.

5 MR. SHEEHAN: Thank you very much.

6 Mr. Buckley.

7 MR. BUCKLEY: Thank you.

8 BY MR. BUCKLEY:

9 Q Mr. Johnson, can you please state your name and  
10 business address for the record?

11 A (Johnson) Ben Johnson, 5600 Pimlico Drive,  
12 Tallahassee, Florida 32309.

13 Q Can you please provide a summary of your  
14 professional background and education?

15 A (Johnson) Yes. I'm an economist. I got my  
16 Ph.D from Florida State. And I've been working  
17 in the area of public utility regulation for  
18 more than 40 years. I specialize in all kinds  
19 of issues that my clients find it helpful to  
20 bring someone in, because it's kind of out of  
21 the ordinary. That's what I like to do in  
22 these years of my career.

23 Q Have you previously testified before this or  
24 any other public utility commission on the

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1 subject of rate design or decoupling?

2 A (Johnson) Very extensive testimony concerning  
3 rate design, stretching back decades. On  
4 decoupling, I think I might have testified one  
5 other time, some years ago in Arizona, but it's  
6 been a while.

7 Q Thank you. Did you prepare testimony that was  
8 filed in this proceeding?

9 A (Johnson) Yes, I did.

10 Q And I can inform you that that testimony is  
11 premarked as "Exhibit 14". Do you have any  
12 corrections to make to that testimony?

13 A (Johnson) No.

14 Q And if I asked you those same questions today,  
15 would your answers be the same?

16 A (Johnson) Yes, they would.

17 MR. BUCKLEY: Thank you. As far as  
18 preliminary matters, I guess, I can note for  
19 all the parties and the Commission that -- and  
20 Staff as well, that I have placed before them  
21 three exhibits that have been premarked:  
22 First, "Exhibit 58" is an American Gas  
23 Association report; the second, "Exhibit 59",  
24 is a report from the Regulatory Assistance

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1 Project; and the third, "Exhibit 60", is a  
2 piece of discovery from this docket.

3 And I'll touch upon -- and I think  
4 we'll touch upon those as we go through the  
5 direct testimony.

6 (The documents, as described,  
7 were herewith marked as  
8 **Exhibit 58, Exhibit 59,** and  
9 **Exhibit 60,** respectively, for  
10 identification.)

11 MR. BUCKLEY: Okay. So, I am  
12 generally just going to address the questions  
13 to the panel. And please, whoever feels best  
14 suited to do so, please feel free to answer  
15 those questions.

16 BY MR. BUCKLEY:

17 Q Can you please provide an overview of  
18 decoupling generally?

19 A (Johnson) Yes. Basically, it's a subtle, but  
20 fundamental change in the way the regulatory  
21 process works. Traditionally, we control  
22 prices and hold them constant between rate  
23 cases, and let revenues fluctuate. This  
24 basically reverses that, and holds the revenues

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1 constant to a benchmark that's been set by the  
2 Commission, and then prices themselves  
3 fluctuate just a little bit every month, or  
4 every year, depending on how it's set up.

5 Q Thank you. And what would you describe as the  
6 primary purpose of decoupling?

7 A (Johnson) Well, I think the primary motivation  
8 is to eliminate the financial incentive that  
9 utilities have to increase throughput on their  
10 system or to promote the sale of energy. It  
11 eliminates sort of the mixed motives they have,  
12 because, obviously, they're under pressure to  
13 encourage energy efficiency and the like, now  
14 that we've become aware of the importance of  
15 energy independence and trying to be efficient  
16 about energy. But they still have this  
17 incentive financially to move as much energy  
18 through their system as possible under  
19 traditional ratemaking.

20 With decoupling, that incentive is gone,  
21 because, basically, their revenues become  
22 fixed, and it doesn't really help them to have  
23 more of the commodity run through their system.

24 Q Thank you. And you touched on this

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1 relationship between energy efficiency and  
2 decoupling. And I guess I just might ask, is  
3 decoupling alone sufficient to encourage energy  
4 efficiency and put investments in capital  
5 assets on sort of a similar ground with energy  
6 efficiency in the eyes of the utility?

7 A (Johnson) It makes a huge step. I mean,  
8 obviously, it causes -- from a pure financial  
9 point of view, they're now completely  
10 indifferent, if you have decoupling.

11 They may still have some psychological  
12 desire to have a bigger company or a desire to,  
13 you know, be able to have a lower price over  
14 time by having a bigger company. But that's  
15 very minor, compared to the general societal  
16 pressure to encourage energy efficiency.

17 So, I think, on balance, it's a very  
18 important step towards neutralizing that. And  
19 it -- decoupling goes beyond the sort of  
20 LRAM-type approach. Because, with that, the  
21 incentive is reduced in the context of very  
22 specific programs that are authorized under the  
23 current system here. Whereas this is broader,  
24 and it sweeps up everything, including things

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1 that don't cost other customers money. They're  
2 not a formal program. It's simply a matter of  
3 making customers aware of the meaning of "SEER  
4 ratings" and the benefits of choosing wisely  
5 when you choose an appliance and so on.  
6 They're just so many little, subtle things that  
7 a utility can do to potentially discourage or  
8 encourage better decisions by customers. With  
9 decoupling, unlike LRAM, all of those things  
10 become completely neutral, and they have no  
11 particular benefit in encouraging poor choices  
12 or less efficient choices.

13 Q Thank you.

14 A (Therrien) And may I add to that?

15 Q Certainly.

16 A (Therrien) I just think your question about  
17 investment is very important. Decoupling, in  
18 my view, is a threshold requirement in order to  
19 truly embrace energy efficiency. You must  
20 sever that link between sales and revenues with  
21 the utility.

22 Once that link is broken, the utility has  
23 "no skin in the game", if you will, as to  
24 whether sales need to go up in order to

[WITNESS PANEL: Therrien|Johnson]

1 increase revenues. So, by breaking that link,  
2 they can now embrace all sorts of different  
3 programs. Whether it's the traditional  
4 programs that are funded through utility rates,  
5 or building code changes, embracing activities  
6 that customers may take on their own. Lots of  
7 different, kind of exciting ways that, really,  
8 the company and the community can rally behind  
9 without resistance from the company.

10 Q Thank you. Are either of you aware of previous  
11 guidance that this Commission has provided on  
12 decoupling in previously dockets?

13 A (Therrien) Yes. I address that in my rebuttal  
14 testimony. And my understanding is that there  
15 are really two very important dockets that have  
16 occurred prior to this instant case; one in  
17 2009, and then, most recently, the EERS  
18 Settlement, I believe that was in 2017.

19 Q And perhaps it would be helpful to just address  
20 both of those dockets very briefly. The docket  
21 DE 15-137, the EERS docket, can you describe  
22 for me what -- can you summarize what that  
23 order directed, as far as decoupling?

24 A (Therrien) Certainly. Insofar as decoupling,

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1 in the context of the larger Settlement in the  
2 docket in total, it was actually a fairly small  
3 component of it. What the EERS Settlement said  
4 is that, one, the companies will introduce this  
5 LRAM, Lost Revenue Adjustment Mechanism. And  
6 then, after three years, or sooner if a general  
7 rate case comes up, the companies shall propose  
8 a form of decoupling.

9 So, EnergyNorth is here after that  
10 Settlement Agreement and is comporting to the  
11 requirements of that Settlement Agreement to  
12 propose a decoupling mechanism.

13 Q And would you agree that that Settlement  
14 required utilities, after the end of the first  
15 triennium, to propose a decoupling mechanism,  
16 but did not prohibit them from doing so  
17 beforehand?

18 A (Therrien) That is correct. That's my reading  
19 of it.

20 Q Okay. And just to follow up there, associated  
21 with the implementation of the Lost Revenue  
22 Adjustment Mechanism, as well as the mandate  
23 for decoupling or a decoupling proposal, was  
24 there any change to the performance incentives

[WITNESS PANEL: Therrien|Johnson]

1 offered to the utilities in their energy  
2 efficiency programs? Is it possible that those  
3 were reduced significantly?

4 A (Therrien) I do recall that performance  
5 incentives were modified. I do not recall how  
6 that was done. There were -- let's see. There  
7 were seven actions that were taken, and this is  
8 on my rebuttal testimony, Pages 13 and 14. And  
9 I'll just read the seven: "(1) Extends Core  
10 Programs; (2) Requires implementation of a  
11 LRAM; (3) Contemplates the subsequent  
12 implementation of a decoupling mechanism to  
13 replace the LRAM; (4) Will implement the EERS  
14 commencing January 1, 2018; (5) Retains the  
15 Performance Incentive, with modifications; (6)  
16 Increases the low-income share of the overall  
17 energy efficiency budget; and (7) Includes  
18 other legal provisions."

19 Q Thank you, Mr. Therrien. That's a sufficient  
20 discussion of 15-137.

21 If I could ask you for your understanding  
22 of the Commission's order in Docket DE 07-064,  
23 which was Order Number 24,934. Can you just  
24 provide a brief summary of what the outcome was

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1 in that order?

2 A (Therrien) Certainly. That was, in my view,  
3 more of a procedural investigation as to how to  
4 go about issues such as decoupling. So -- and  
5 this comes from four questions that were in the  
6 initial order resolving the investigation.  
7 Number (1) Whether existing rate treatment  
8 poses an obstacle to investment in energy  
9 efficiency; (2) Whether a different rate  
10 treatment would promote such investment; (3)  
11 Whether these issues should be pursued further  
12 in this docket, through utility-specific rate  
13 cases, as part of a rulemaking; or through some  
14 other procedure; and (4th) Whether decoupling  
15 constitutes an alternative form of regulation."

16 So, in my view, it was a procedural type  
17 of docket. And in the order, it did not  
18 prescribe any sort of decoupling. It basically  
19 just said "when decoupling is proposed, it must  
20 be done so in a general rate case."

21 Q And so, while that order didn't prescribe any  
22 specific style of decoupling, it did describe  
23 two types of strategies, if you would agree  
24 with me, that could be pursued, that relate to

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1 removing the disincentive for the utilities to  
2 invest in energy efficiency. And if I'm  
3 recalling correctly, would you agree with me  
4 that those two strategies were, one, either  
5 through rates, possibly through moving towards  
6 higher customer charges, to make the utility  
7 slightly more agnostic to investing in energy  
8 efficiency and the associated lost revenues,  
9 and the second was a rate reconciling mechanism  
10 that's similar to what we see in the proposal  
11 before us today. Is that correct?

12 A (Therrien) Yes. That's my reconciliation.

13 Q Okay. Thank you very much, Mr. Therrien. So,  
14 moving on from those two orders and the  
15 historical background here, can you please  
16 discuss the difference between "full  
17 decoupling", "partial decoupling", and "limited  
18 decoupling"?

19 A (Johnson) Yes. It's a kind of jargon. But,  
20 basically, "full decoupling", as it sounds, is  
21 attempting to pin the revenues in their  
22 entirety at a fixed amount, based on a rate  
23 case, and letting the rates adjust accordingly,  
24 as necessary, to stabilize revenues.

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1           Whereas "partial decoupling" is sort of a  
2           scaled-back version of that, that applies some  
3           percentage of it, in essence, or cuts back.

4           And then, "limited", which is, you know,  
5           it's easy to get the two confused, I may be  
6           doing that in a moment, but I don't think so,  
7           but "limited decoupling" is a term that's  
8           typically used, where you isolate portions of  
9           the revenues and decouple those, and other  
10          portions are not. So, for example, if you  
11          didn't decouple weather, then that would be  
12          called "limited decoupling", as an example.

13   Q       Thank you. And can identify for me which of  
14       these types of decoupling were included in the  
15       Settlement Agreement and which was included in  
16       Staff's testimony regarding decoupling?

17   A       (Johnson) Well, the Settlement Agreement calls  
18       for full decoupling; whereas the Staff is  
19       objecting to portions of that decoupling, I  
20       believe it's the weather component in  
21       particular. So, I would say they are  
22       advocating limited decoupling.

23   Q       Thank you. What benefits might full decoupling  
24       have over partial decoupling?

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1 A (Johnson) Well, basically, because it is full  
2 decoupling, you're getting the complete  
3 neutralization of the utility's incentive  
4 structure. So, again, what Mr. Therrien just  
5 alluded to, in terms of perhaps being reluctant  
6 to show up at a local town board meeting to  
7 talk about building codes, or to not being  
8 really enthused about going and meeting with  
9 the local builders and talk about the  
10 importance of, when they're talking to their  
11 customers about insulation levels and the like,  
12 these sort of soft activities that they could  
13 be engaged in, they're being part of the  
14 community, and they're viewed as an expert on  
15 energy matters.

16 But, without full decoupling, they really  
17 don't have a -- they have "mixed incentives", I  
18 guess would be the polite way of putting it.  
19 And perhaps the harsher way is saying "They're  
20 really going to drag their feet", they're not  
21 really going to be enthused about talking about  
22 it. Because companies in this culture, quite  
23 understandably, are growth-oriented. They like  
24 to see earnings per share grow and the like.

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1 And they know that, if usage and throughput on  
2 the system moves more through the system, then,  
3 obviously, that helps with that growth, it  
4 helps earnings per share growth, *etcetera*,  
5 again, absent full decoupling. So, basically,  
6 by full decoupling, you're getting the full  
7 amount of that.

8 When it gets to limited decoupling, I  
9 think it depends, in part, on what you're  
10 limiting. In the case of weather, that's a  
11 sort of separate issue, as to why one might  
12 want to exclude weather. But that's the key  
13 debate in this proceeding right now, in terms  
14 of why the Staff appears to be objecting to the  
15 Settlement, is because it includes weather.

16 Q And can you describe for me, from a consumer  
17 perspective, what would the primary advantages  
18 of decoupling be over other types of Lost  
19 Revenue Adjustment Mechanisms?

20 A (Johnson) Well, in terms of the Lost Revenue  
21 Adjustment Mechanism that this Commission has  
22 adopted, there's a major improvement from a  
23 consumer's point of view, because it becomes a  
24 completely symmetrical mechanism. Whereas, the

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1 lost revenue is kind of a one-way escalator,  
2 that rates will tend to go up, but they don't  
3 come down, regardless of circumstances, since  
4 that's the way the mechanism is designed, maybe  
5 to -- I have no idea why the Commission chose  
6 to the adopt that. But, from a consumer's  
7 point of view, it's not optimal.

8 Whereas, decoupling -- full decoupling is  
9 fully symmetrical. So that there's a wide  
10 variety of circumstances, of things like  
11 changing economic conditions, if employment  
12 starts picking up, if the economy is picking  
13 up, then there's increased sales that occur,  
14 particularly on the commercial/industrial side,  
15 but to some extent on residential as well,  
16 because people can afford to cook more, do more  
17 things, and maybe adjust the thermostat a  
18 little bit to their advantage, because their  
19 paycheck is comfortable. They're not on  
20 unemployment, which otherwise they might be  
21 suffering, let's say, because of just a sheer  
22 inability to pay their bills. The point is,  
23 there's economic factors that happen that  
24 influence usage.

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1           With the LRAM, those sorts of factors that  
2           potentially could cause the rates to come down  
3           and customers to benefit, again, like if a  
4           factory is starting to use more gas on the  
5           system, some of the costs are now being  
6           recovered by that factory, that is not picked  
7           up with the LRAM. Whereas, with the full  
8           decoupling, it is reflected. And, so,  
9           customers ultimately get a greater benefit from  
10          that type of mechanism that's included in the  
11          Settlement Agreement.

12   A       (Therrien) And if I could add to that? One,  
13           I'll just completely agree that the symmetrical  
14           nature of decoupling is real important for  
15           consumers.

16           But, further, where the LRAM really falls  
17           short is that it focuses a utility's attention  
18           solely to those programs supported through  
19           rates. Consumers can benefit through broader  
20           participation by the utility, and Mr. Johnson  
21           touched on several of those areas.

22           So, I think that that's a big difference  
23           as well.

24   Q       Right. And would you agree with me that it's

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1 often been evaluated that investments in things  
2 like building energy codes or appliance  
3 standards are some of the most cost-effective  
4 energy efficiency investments out there that  
5 that can be made?

6 A (Therrien) Yes, I would. And in my direct  
7 testimony, I touched on the importance of  
8 building codes and R-factors, and how increased  
9 efficiency in home building can have a really  
10 material impact on overall energy usage.

11 A (Johnson) And this is one -- when you think  
12 about it, this is one of those areas where the  
13 problem is a breakdown in understanding by  
14 consumers. The builder has an incentive to  
15 have an affordable house, with a low price tag.  
16 He's competing against other builders. And in  
17 the fine print of the spec, in terms of "well,  
18 how much insulation is in the walls?" "How  
19 much insulation is in the ceiling?", and so on,  
20 is just not something that grabs a typical  
21 consumer's interest.

22 But, even if they see the number, they  
23 have a real hard time grasping "well, how much  
24 is that going to save them per month, and over

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1 a 30-year or a 40-year or a 50-year period of a  
2 building, even a slight improvement in  
3 insulation can be very, very efficient from  
4 society's point of view. But, again, the  
5 typical consumer doesn't necessarily understand  
6 that or fully grasp it.

7 So, whether it's simply talking to the  
8 builders and trying to convince them to be more  
9 proactive about making that a selling feature,  
10 or trying to get building codes tightened, to  
11 where the minimums are moved up, and so then  
12 the selling effort is to try to say "we beat  
13 the building code and we're even more  
14 efficient."

15 Either way you think of it, you can sort  
16 of see why the utility, because of its  
17 expertise and because of the believability,  
18 when they go and talk to builders and they go  
19 talk to the local contractor associations, they  
20 have a credibility. But, again, currently,  
21 with an LRAM, they have no incentive to do  
22 that.

23 Q Thank you. Perhaps it might be helpful to  
24 direct the Commission and other stakeholders in

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1 the room to Exhibit 14, Page 11, at this  
2 moment. And this is Ben Johnson's direct  
3 testimony.

4 A (Johnson) Can you give me the page reference  
5 again? Where are we?

6 Q I think it's Exhibit 14, Page 11, Bates 011.

7 A (Johnson) Page 11. Yes.

8 Q Now, do we know the annual projected cost of  
9 Liberty's Lost Revenue Adjustment Mechanism  
10 established in 15-137, what that cost is for  
11 ratepayers?

12 A (Johnson) Gregg, do you want to answer that?  
13 These numbers are in my testimony, but they're  
14 his numbers in reality.

15 Q Right.

16 A (Therrien) Yes. Insofar -- yes, the rate has  
17 been established and --

18 *[Court reporter interruption.]*

19 **CONTINUED BY THE WITNESS:**

20 A (Therrien) -- established and approved by the  
21 Commission, yes.

22 BY MR. BUCKLEY:

23 Q And is it possible to know exactly what  
24 surcharges and credits will result from

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1 decoupling in the future?

2 A (Johnson) No.

3 A (Therrien) No.

4 Q However, Mr. Therrien, in your -- or, Therrien,  
5 in your testimony, which is excerpted in Ben's  
6 direct testimony, there's an historical  
7 look-back at what those rates and surcharges --  
8 those surcharges and credits would have been if  
9 decoupling had been established, is that  
10 correct?

11 A (Therrien) Yes, it is.

12 Q And overall, this is for either of you, can you  
13 describe the projected annual costs of the Lost  
14 Revenue Adjustment Mechanism versus the  
15 historical hypothetical average of the annual  
16 costs of decoupling in New Hampshire?

17 A (Johnson) I think -- I think the fair statement  
18 is that there's no predicted or expected  
19 significant change in the numbers. There's  
20 enough noise or enough variability in all these  
21 that, when you compare the two, you can see  
22 that, in this particular match-up, the  
23 decoupling actually has less impact on  
24 customers. But I wouldn't want to go too far

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1 and suggest that that necessarily means that  
2 we'll have net less effect. Again, the  
3 symmetrical nature of it is beneficial to  
4 customers. So, there's a good chance they may  
5 actually be better off, in terms of dollars in  
6 their pocket, in a particular scenario.

7 But the better way to think of it is that  
8 these fundamental improvements that we've been  
9 talking about are the motivation here. And I  
10 don't think you should be expecting that the  
11 Company will ultimately get significantly less  
12 money or that the customers will be paying  
13 significantly more or less money over the long  
14 haul. I think it's more a shift in -- towards  
15 encouraging energy efficiency, rather than  
16 question of taking money out of one set of  
17 pockets and giving it to the other.

18 A (Therrien) I would add to that, when you look  
19 at these two tables in Dr. Johnson's testimony,  
20 the LRAM is only a charge, and it will always  
21 be "a charge". While the decoupling adjustment  
22 is symmetrical.

23 So, for instance, if you look at the  
24 Winter of 2013-2014, that was a very cold

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1 winter. And consumers used a lot of energy.  
2 Decoupling would essentially refund a  
3 significant portion of that, related to the  
4 distribution portion of their bill.

5 Q And, Mr. Therrien, that is because, under the  
6 *status quo* of where we are right now with LRAM,  
7 even if the revenues that are claimed -- the  
8 lost revenues claimed by the energy efficiency  
9 program, even if those are replaced by growth  
10 or an abnormally cold winter, for example,  
11 those lost revenues would still be -- the  
12 Company would receive compensation for them.

13 But, under decoupling, would it be  
14 accurate to say that they would be offset by  
15 that growth, or abnormally colder winter, and  
16 then it turns into a credit, rather than a  
17 surcharge? That's the idea of "symmetry"?

18 A (Therrien) It is. But I would also say that,  
19 even though it may be a credit during that  
20 winter period, the Company is still receiving  
21 its fair compensation. That's the importance  
22 of the symmetry in the decoupling adjustment.  
23 It fully brings the Company's revenues back to  
24 which was allowed during the rate proceeding to

[WITNESS PANEL: Therrien|Johnson]

1 support its cost of service.

2 Q Thank you, Mr. Therrien. Okay. So, now I'm  
3 going to move on to a description of the actual  
4 decoupling mechanism established within the  
5 Settlement Agreement. Can you please describe  
6 the decoupling mechanism agreed upon in the  
7 Settlement in one sentence?

8 A (Therrien) Yes. This is a full decoupling  
9 mechanism, that is based on revenue per  
10 customer, and includes a real-time component  
11 for weather.

12 Q Thank you. Now, how is revenue-per-customer  
13 decoupling, and this might be for Ben, how is  
14 revenue-per-customer decoupling different from  
15 what was suggested in the Office of the  
16 Consumer Advocate's original testimony?

17 A (Johnson) In my testimony, we talked about the  
18 pros and cons of "revenue per customer" versus  
19 "total revenue". And I recommended total  
20 revenue. But, ultimately, in the give-and-take  
21 of the Settlement, OCA has agreed to revenue  
22 per customer. It's a subtle difference. But  
23 it's just a question of whether you're  
24 locking -- again, you're stabilizing and

[WITNESS PANEL: Therrien|Johnson]

1 locking down revenues to match the revenue  
2 requirement. It's a question of whether you  
3 lock it down to a aggregate total dollar number  
4 per year, or whether you have a slightly more  
5 complicated mechanism that calculates an annual  
6 revenue per customer. In the Settlement, it's  
7 two groups: You have the commercial and  
8 industrial is one group, residential is the  
9 other. And then each of those two numbers per  
10 customer are calculated times or multiplied  
11 times the number of customers.

12 So, to the extent there's a drop in the  
13 number of customers, if you had an exodus of  
14 people leaving the state for some reason, the  
15 Company would be protected. I assume that's  
16 one of the main reasons why they like it.

17 But, conversely, if there's growth in the  
18 number of customers, then they potentially --  
19 anyway, it ties it to the number of customers.

20 The problem from the OCA's perspective  
21 originally was, that makes it more complicated,  
22 it makes it harder to explain to customers.  
23 You know, it has some subtle, minor  
24 disadvantages. But it obviously was not a top

[WITNESS PANEL: Therrien|Johnson]

1 priority in the negotiations, because it didn't  
2 survive the settlement propose to OCA's  
3 preference for total revenues, which is easier  
4 for me to describe correctly.

5 Q Thank you. And in that context of the  
6 revenue-per-customer decoupling mechanism, can  
7 you just give me some idea of why the  
8 Settlement Agreement might include a  
9 requirement that the Company file their next  
10 rate case within a certain amount of time?

11 A (Johnson) Sure. I was not privy to the  
12 detailed settlement discussions. I was kind of  
13 on the periphery of them. But, in the  
14 abstract, I can see why OCA might ask for and  
15 obtain a commitment to have a rate case after a  
16 few years. That the primary one, first and  
17 foremost, is really simple, which is we're  
18 looking at something that's somewhat new for  
19 New Hampshire. It's been around for quite a  
20 while in other states. So, it creates sort of  
21 an insurance mechanism, to make sure, if  
22 they've made a mistake, they did something  
23 wrong by bringing to this, in a couple of years  
24 they can see what happens in an actual rate

[WITNESS PANEL: Therrien|Johnson]

1 case, and change their mind and ask to tweak it  
2 or, you know, recommend some changes to the  
3 adjustment mechanism, if they felt it was  
4 needed.

5 But I think, more generally, the problem  
6 with rate cases, the Company always has the  
7 option of coming in for a rate case. So, as  
8 circumstances change, they can come in once  
9 every couple years, or they can wait 10 or 15  
10 years. I've known utilities that have done  
11 that.

12 OCA doesn't have that option to require a  
13 rate case, if the circumstances move in that  
14 direction. So, getting a commitment, at least  
15 out of the gate, to come in after a couple of  
16 years is beneficial to OCA, from their  
17 perspective.

18 Q Thank you. Does the proposed decoupling  
19 mechanism change the mechanics of a rate case  
20 in any manner?

21 A (Johnson) I'd say, no. And I don't put  
22 together rate cases, Gregg might be able to  
23 answer this a little better. But, in my mind,  
24 the basic mechanics are the same. There's some

[WITNESS PANEL: Therrien|Johnson]

1 details that are presented a little bit  
2 differently.

3 A (Therrien) I would say it really does not  
4 change the mechanics of a rate case. Rate  
5 cases are premised on normal weather, and known  
6 and measurable adjustments are made in order to  
7 normalize the rate year. That does not change  
8 with decoupling. Decoupling is a reconciling  
9 mechanism after those base rates are  
10 established. So, all of the discovery and  
11 investigation that the Commission would  
12 typically do in a rate case will still  
13 continue.

14 Q And may have already touched upon this, but  
15 does the proposed decoupling mechanism change  
16 what happens to rates in between rate cases in  
17 any manner?

18 A (Therrien) It does. Annually, rates will be  
19 adjusted based on -- well, it really creates a  
20 new line item on a bill, I guess is the easiest  
21 way for me to describe it. So, you have your  
22 base rates, which will remain the same. But  
23 every year you would calculate this  
24 reconciliation, and it would either be a

[WITNESS PANEL: Therrien|Johnson]

1 positive change or a negative change, and that  
2 would create a rate, and that rate would be  
3 applied to customers' bills.

4 Q Thank you. Now, does the proposed decoupling  
5 mechanism include a cap on how much an  
6 adjustment can occur during any given period?

7 A (Johnson) I don't think so.

8 A (Therrien) Actually, my understanding is it  
9 retained the 5 percent cap. That may have --

10 A (Johnson) I know that the Company proposed a  
11 cap. But I'm not so sure I saw it in there.

12 A (Therrien) You may be correct.

13 Q Yes. So, --

14 A (Johnson) Assuming it's not there, and, in my  
15 mind, the reason it would not be is because  
16 we're talking about so much smaller adjustments  
17 potentially under this mechanism than the  
18 Company's original proposal. The Company's  
19 original proposal had weather being handled on  
20 an annual basis. And weather is the biggest  
21 thing that moves around, as we all know, if you  
22 ever watch your bill, how it changes when you  
23 have an unusually cold month.

24 So, the potential for building up credits

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1 or debits in this mechanism is much more severe  
2 if you do the weather once every year. Because  
3 the Settlement calls for continual changes,  
4 very, very small changes constantly in the  
5 weather element, there's just not so much risk  
6 or need to put a cap on it. And so that  
7 complexity can go away, and I think it did in  
8 the Settlement.

9 A (Therrien) I would agree. I apologize. I want  
10 to amend my testimony to say, in the Settlement  
11 Agreement, the cap is not in the Settlement  
12 Agreement.

13 Q And that was for the reasons identified by  
14 Mr. Johnson, is that correct?

15 A (Therrien) That was -- that's my understanding.  
16 It's a very logical argument, yes.

17 Q Thank you. Can you please describe the  
18 so-called "real-time weather normalization  
19 mechanism", sometimes called to or referred to  
20 as "current decoupling"?

21 A (Johnson) Why don't I start on kind of a  
22 conceptual level, and then, if Gregg wants to  
23 add some details of the mechanics, he can.

24 But the idea is pretty straightforward,

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1           which is that bills are rendered on billing  
2           cycles.  Every customer -- not all customers  
3           get a bill on the same day.  It's not efficient  
4           to mail it, you know, all those bills on a  
5           single day.  So, they're spread out over the  
6           course of a month.  But each time a bill is  
7           calculated, it comes shortly after they have --  
8           the meter has been read, they know how much  
9           usage there is.  Inside the billing system, you  
10          simply added a little bit of extra code to  
11          check what the actual temperatures were during  
12          that billing cycle, compared to a normal  
13          weather for that period.  And you make a slight  
14          little arithmetic adjustment to the rate to  
15          compensate for the discrepancy between normal  
16          weather and the actual weather that occurred  
17          during that billing cycle.

18                 That particular adjustment is one this  
19          Commission has been familiar with and has  
20          accepted and endorsed for many, many years.  
21          It's what we do in a rate case for weather  
22          normalization.  All that's happening is we're  
23          taking that calculation and we're doing it  
24          every single billing cycle.  So, it's

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1 essentially a daily 30-day look-back for that  
2 particular customer's billing cycle.

3 Then, the next customer, one day later,  
4 gets a very similar calculation, but, because  
5 the weather is slightly different one day  
6 later, there's a very, very tiny difference in  
7 the way their particular bill is calculated.

8 What ends up happening is it's beautifully  
9 aligned. Each customer -- it's basically what  
10 I would call "real-time". It's each customer  
11 receives a bill that already figured out how  
12 much more or less the rate per therm should be  
13 for their delivery, in order to undue the  
14 impact of unusual or unexpectedly weather, the  
15 abnormal weather.

16 Q Thank you.

17 A (Therrien) And I would add to that, this is not  
18 a new concept. This has been referred to as a  
19 "WNA". WNAs were around for at least 20 years.  
20 And I can recall one that I worked with  
21 personally that started in 1993.

22 And as Dr. Johnson described, the beauty  
23 of it is it is very personal. Every single  
24 customer's bill is adjusted for the weather

[WITNESS PANEL: Therrien|Johnson]

1 that they experienced during that billing  
2 cycle.

3 Q So, would it be accurate to say that real-time  
4 decoupling better matches the timing of cash  
5 flows for both the Company and the consumers?

6 A (Johnson) Yes.

7 A (Therrien) Exactly.

8 A (Johnson) It's a win/win, it really is. From  
9 the customer's point of view, they're still  
10 going to see the delivery -- they're still  
11 going to see the commodity charges surge when  
12 they have a cold billing cycle. And they  
13 recognize in their mind "Wow, it sure seemed  
14 cold last month. It seems even colder than a  
15 normal January." And they're going to see that  
16 in the gas element. But then the delivery  
17 element will actually be more like a normal  
18 January. That there won't be an extra charge  
19 for the use of the pipes merely because they  
20 had a lot more gas come to their house that  
21 January than a normal January.

22 So, from their point of view, it tends to  
23 stabilize the bill. They still have a little  
24 bit of a problem of predicting from month to

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1 month what any one bill will be, because it  
2 can't know how cold it's going to be. They're  
3 going to end up using more gas.

4 But this delivery element, if they had  
5 a -- if it was, you know, if you think about it  
6 as being completely separate, their gas portion  
7 of their bill will still be unusually high,  
8 because it was unusually cold. But the  
9 delivery element will be right where a normal  
10 January would have been anyway.

11 So, in terms of the need to be worried  
12 about having extra cash in the bank to deal  
13 with the unexpectedly cold weather that might  
14 occasionally happen, they don't have to have  
15 that extra cash in the bank for the delivery  
16 part. So, from their point of view, it's less  
17 risky. It helps them manage their cash flows.  
18 There's less risk that they're going to have to  
19 not pay down their credit cards and start  
20 incurring high interest on the credit cards or  
21 the other things that ordinary customers have  
22 to do when their cash flows aren't what they  
23 expected them to be.

24 From the Company's point of view, there's

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1 a very similar benefit. And it's not real  
2 intuitive that both would benefit, but they do.  
3 From the Company's point of view, they don't  
4 need to have -- maintain these larger cash  
5 balances, they don't have to negotiate this  
6 large line of credit to deal with cash flow  
7 problems. But, in their point of view, the  
8 cash flow problems are in the reverse. It's  
9 not when they have an usually cold winter, all  
10 of a sudden they get lots of extra cash and  
11 they can go, you know, pay down the line of  
12 credit or try to park the money temporarily at  
13 1 percent.

14 But their problem is the reverse. When  
15 you have an unusually mild winter, from their  
16 point of view, all of a sudden they would not  
17 get their normal amount of revenue. So, they  
18 have a problem that's very similar to the  
19 customers, it's just symmetrical. And from a  
20 cash management point of view, it's just a  
21 problem. That they end up having to, again,  
22 arrange lines of credit, they've got to keep  
23 cash in the bank, they've got to do various  
24 things to deal with fluctuations in their cash

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1 flow. That, when that cash flow smooths out,  
2 they don't have to go through all that effort.  
3 It's less costly for them and ultimately less  
4 costly for customers who pay the cost of  
5 running the business.

6 Q And can you just for a moment describe for me,  
7 and maybe contrast with the mechanism set  
8 forward here, Liberty's current balanced  
9 billing product that they offer to customers?

10 A (Johnson) Yes. That's a very different  
11 concept. But it has some overlap in  
12 similarity. So, some customers really don't  
13 like the idea of having to have their bills  
14 fluctuate. So, they can volunteer for and  
15 choose to get a bill that is, in essence,  
16 stabilized. And Gregg may be able to describe  
17 in better detail, but the idea is that every  
18 month starts looking the same to them.

19 From a public policy point of view, that's  
20 not a very good rate design to offer. It's  
21 unfortunate. We do it, because some customers  
22 just can't handle the fluctuations in their gas  
23 bill, and so we give them an out. But it's not  
24 a very good out, because they become

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1 desensitized to the importance of insulation.  
2 They become desensitized to the fact that, you  
3 know, if they had more insulation, that their  
4 gas bill in the winter would be more like the  
5 one in the summer. Well, if it's literally the  
6 same regardless, because everything's been  
7 averaged out through budget billing, you know,  
8 they lose that connection.

9           Whereas a typical customer, again, from a  
10 cash flow point of view, if every winter were  
11 normal and predictable and had normal weather,  
12 then they can predict the cash flows. They see  
13 the movement up and down as you go through the  
14 seasons.

15           That movement of seasons is retained under  
16 decoupling. This real-time weather is simply  
17 dealing with the spikes of the unusual weather,  
18 the abnormal weather. Whereas, the typical  
19 weather that's already built into the natural  
20 seasonal pattern, based over 30 years' worth of  
21 data, is still reflected in their bill. They  
22 still have to budget for that cash flow. But  
23 that's a very predictable cash flow that both  
24 the Company and the customer can accommodate

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1 more easily than the extreme weathers that --  
2 weather events that sometimes happen.

3 Q Thank you.

4 A (Therrien) Can I just add something simple to  
5 that? Budget billing doesn't change the amount  
6 of the total obligation a customer has to pay  
7 over a year. Decoupling will actually adjust  
8 that, that amount. So, budget billing just  
9 says "This is what the rates are. Here's what  
10 actually happened, and divide by 12, and pay us  
11 that same amount every single month."

12 Decoupling, on the other hand, actually  
13 changes the obligation that the customer has.  
14 It will either adjust it upward or downward.

15 Q Thank you. And as far as decoupling revenues  
16 from volatility associated with weather, can  
17 you tell me, of those utilities with decoupling  
18 mechanisms, how many include weather or  
19 decouple their revenues from weather?

20 And I think maybe perhaps it would be  
21 helpful to turn to Exhibit 27, which is your  
22 rebuttal testimony, at Bates Page 182 through  
23 183.

24 A (Therrien) Yes. Thank you. There's Table 1 of

[WITNESS PANEL: Therrien|Johnson]

1 my testimony, on Bates 183, shows that there  
2 are only three out of 67 companies that do not  
3 include weather as part of their decoupling  
4 mechanism.

5 Q Thank you. And that chart that's on Page 183,  
6 I believe, that is derived from research that  
7 was completed by your company?

8 A (Therrien) That's correct.

9 Q And is some, or at least if not all, some of  
10 that research included in what has been placed  
11 before you and premarked as "Exhibit 60"?  
12 Exhibit 60 contains a number of different  
13 dockets that have been identified as places  
14 where decoupling has been adopted, and some  
15 different information related to who has what  
16 types of decoupling mechanisms.

17 A (Therrien) Yes. That's the source of my  
18 research, yes.

19 Q Okay. Thank you. I just thought that would be  
20 helpful to note for the record.

21 So, a question about heating degree days.  
22 Has there been a warming trend in New Hampshire  
23 relative to heating degree days? And if so, is  
24 there an increased risk of losses for utility

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1 shareholders associated with the warming trend?  
2 Does this represent a shift of that type of  
3 risk to customers under this mechanism?

4 A (Johnson) If you look at my exhibit that's my  
5 original prefiled testimony, at Pages 20 and  
6 21, I believe this data suggests a slight  
7 warming trend. But it may be less dramatic of  
8 a trend than some people might think, given all  
9 the rhetoric and all the concern and the  
10 political intensity of the issues related to  
11 climate changes over time. The reality is that  
12 the changes are very small, compared to the  
13 volatility of any day-to-day or year-to-year  
14 weather events.

15 So, you can see it here, that the 40-year  
16 average was "1,131". Whereas, if you go all  
17 the way down to the 5-year average, it's only  
18 "1,103". So, yes, that's a slightly different  
19 number. The 10-year average was "1,111". So,  
20 yes, there's a very slight reduction in the  
21 number of heating degree days. But it is quite  
22 modest, compared to the volatility of weather  
23 and the things that we're actually dealing with  
24 here in this proceeding.

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1 I think I may have missed part of your  
2 question, but I wanted to start with the part  
3 of "is there a warming trend?" I think it  
4 suggests there is one, but maybe not as  
5 dramatic as most people intuitively expect it  
6 to be.

7 Q Right. And, yes, apologies --

8 *[Court reporter interruption.]*

9 BY MR. BUCKLEY:

10 Q -- apologies, I asked somewhat of a complex  
11 question there.

12 But the latter piece of it was "is there  
13 an increased risk of losses for utility  
14 shareholders associated with that warming  
15 trend?"

16 A (Johnson) I think it would be fair to say that,  
17 in between rate cases, if there is a trend  
18 down, then volumes will tend to be a little bit  
19 less after the rate case than what were shown  
20 in the test year. So, there is some attrition  
21 that takes place. And I suspect the Commission  
22 ultimately is compensating for that to some  
23 degree, directly or indirectly, because the  
24 Commission keeps an eye on making sure that the

[WITNESS PANEL: Therrien|Johnson]

1 Company has a fair opportunity to earn its  
2 return to maintain bond ratings and the like.

3 So, it's an element of attrition of  
4 erosions that would either cause more frequent  
5 rate cases or a need to have step adjustments,  
6 things of that sort. So, it is present. To  
7 the extent you have a weather normalization  
8 adjustment, as we do in this Settlement, that  
9 will go away, and the need for rate cases may  
10 become less frequent. You may not see them as  
11 often as you're used to, because this one  
12 particular element of earnings erosion will go  
13 away.

14 Q But, even in the face of declining them sales,  
15 the revenue requirement that is presented at  
16 various rate cases, there would be -- there  
17 wouldn't be change necessarily associated with  
18 that. Is that correct?

19 A (Johnson) Well, the revenue requirement is,  
20 basically, the revenues that are required to  
21 pay what it costs to operate the Company. And,  
22 so, the cost of operating the Company is the  
23 investment and the operating expenses, and  
24 those are independent of the question of

[WITNESS PANEL: Therrien|Johnson]

1           whether there's a warming trend or not. So,  
2           it's not as though the Company is going to  
3           overearn or something as a result of this.  
4           What we're talking about is a very small  
5           reduction in the frequency with which their  
6           earnings erode, their coverages -- or, bond  
7           coverages and the like erode and they feel  
8           pressure to come back in for another rate case.  
9           So, again, instead of every three or four  
10          years, it might be every 4.2 years that they  
11          would come in.

12                 So, again, I'm trying to concede that  
13          technically there is a slight difference, but  
14          it's very small. And it's not, I don't think,  
15          what is primarily motivating the Company to  
16          propose this mechanism. It's certainly not  
17          what was motivating OCA or myself to recommend  
18          the treatment of weather that we recommend in  
19          our testimony. I think that is these cash flow  
20          fluctuations are far more important and  
21          significant to choosing whether this is a good  
22          settlement or not.

23   Q       Thank you.

24   A       (Therrien) Can I --

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1 Q Mr. Therrien.

2 A (Therrien) Yes. Just to add to that. I also  
3 address this in my direct testimony. There is  
4 a declining trend in normal weather. Meaning,  
5 if you were to just plot a 30-year normal  
6 weather, it declines over time. And that's  
7 shown on Bates 316.

8 Now, I would also agree with Dr. Johnson  
9 that, in the scheme of things, it's not a big  
10 dollar risk for the Company. But, if it does  
11 decline over time, then, in between rate cases,  
12 there will be, all else being equal, less  
13 revenues for the Company to cover its cost of  
14 service.

15 So, in my view, this is just yet another  
16 reason why decoupling makes sense. Because  
17 it's just another component of sales that the  
18 Company may feel it needs to offset through  
19 some other type of program to increase usage.

20 So, as I step through in my direct  
21 testimony, there are several factors that can  
22 affect sales, and a declining normal degree day  
23 trend is one of them.

24 Q Thank you very much. The Settlement Agreement

[WITNESS PANEL: Therrien|Johnson]

1 limits recovery on any investment beyond  
2 \$50,000 in a billing system upgrade to  
3 accommodate decoupling. Is that correct?

4 A (Therrien) Yes.

5 A (Johnson) Yes.

6 Q And can you describe why this might be the  
7 case?

8 A (Johnson) Well, I think I can do it from a  
9 customer's point of view. From OCA's  
10 perspective, it just reassures OCA and the  
11 Commission and customers that this concept that  
12 may sound a little complicated, there's a  
13 maximum of what it can cost customers to  
14 implement the billing system in order to put it  
15 into effect. This, you know, very precise  
16 customer-specific mechanism we were describing  
17 earlier.

18 It also ensures that the Company has  
19 maximum incentive to negotiate with the billing  
20 vendor and the software -- for the software  
21 development fees for upgrading the billing  
22 system, because if they have no skin in the  
23 game, it's not a just straight passthrough.

24 We were given assurances of estimates from

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1 the Company that they had inquired from the  
2 billing vendor that they thought it would be  
3 \$50,000, or perhaps a little bit more. And  
4 they ultimately apparently agreed to cap it at  
5 that.

6 I honestly think, if they're tough  
7 negotiators, there's no reason they shouldn't  
8 be able to get it for that amount, because the  
9 upgrade will potentially then be available to  
10 be sold to other utilities around the  
11 company -- country that the billing vendor  
12 works with.

13 So, and whatever, in my mind, \$50,000 is a  
14 very realistic figure. And in any event, from  
15 the customer's point of view, we're guaranteed  
16 it can't exceed that.

17 Q Thank you. Moving on. Can you please describe  
18 for me, and this is for either of the  
19 panelists, "straight fixed variable rate  
20 design", and whether or not it is sometimes  
21 viewed as an alternative to decoupling?

22 A (Johnson) The term is used for more than one --  
23 there's sort of a range of possibilities as to  
24 exactly how that term is used. I'm going to

[WITNESS PANEL: Therrien|Johnson]

1 take the most extreme version, because it's  
2 what it sounds like when I hear the name.  
3 Which would be that one version of a "straight  
4 fixed variable" would be all of the costs of  
5 the pipes, the distribution mains, the whole  
6 system, all that is fixed cost, because it's in  
7 the rate base and it's, you know, it's  
8 relatively fixed. It doesn't vary. It's not  
9 what an economist would call a "variable cost"  
10 in the short run. All of those, so, basically,  
11 all your delivery charges would be fixed. And  
12 the only thing that's really varying is  
13 essentially the commodity cost.

14 So, taken to the extreme, the delivery  
15 portion of the bill would be the same every  
16 month. Every customer would pay the same no  
17 matter how small or how large they are. It's  
18 all fixed, and how much they used in that  
19 particular month. So, therefore, it, you know,  
20 totally stabilizes revenues, because everything  
21 just becomes a function of the number of  
22 customers and usage has no impact.

23 Sometimes the term is used for something  
24 not quite as extreme as that, but moving in

[WITNESS PANEL: Therrien|Johnson]

1 that direction, and it's kind of a moving  
2 target, depending on whose testimony, where you  
3 see it, and in what proceeding, how far they  
4 want to go towards that extreme.

5 But the idea is that utilities again  
6 prefer stable cash flows. They see some real  
7 benefits to stabilizing and reducing the  
8 fluctuation on their cash flow. So, they start  
9 advocating rate designs that move the rate  
10 elements towards the fixed monthly charge and  
11 reduce the amount per therm. So, that's the  
12 general idea.

13 It's also -- plus, the pipeline industry,  
14 it's very common in pipeline contracts. That a  
15 pipeline will negotiate, find a bunch of  
16 distribution utilities that are willing to sign  
17 up for chunks of the capacity. And then an  
18 interstate pipeline gets a very assured,  
19 stabilized revenue stream based on recovery of  
20 their fixed costs, and a relatively small part  
21 is fluctuating in a variable element. But it's  
22 a term that's used in a variety of different  
23 contexts for similar concepts.

24 Q And would it be a fair characterization to say

[WITNESS PANEL: Therrien|Johnson]

1 that SFV, straight fixed variable, rate design,  
2 or something very similar to it, was one of  
3 those two prescriptions that we discussed near  
4 the beginning of this panel's testimony from  
5 the original DE 07-064 order?

6 A (Therrien) Yes.

7 A (Johnson) Yes. And that order quite correctly  
8 recognized that, in terms of, you know, the  
9 broad array of options available to the  
10 Commission, and the way different commissions  
11 have handled it, the way different groups and  
12 utilities have advocated options. This is a  
13 major alternative. That some utilities have  
14 pushed very hard to say "why don't we increase  
15 the fixed element of the monthly bill and  
16 reduce the per therm rate". And it's something  
17 that, in my mind, is fundamentally the wrong  
18 solution. It's 180-degree opposite of what we  
19 want to do in terms of encouraging energy  
20 independence, encouraging energy efficiency,  
21 encouraging reduced greenhouse gasses. And  
22 there's all these public policy reasons we want  
23 to make people -- we don't want to prohibit  
24 them from using energy, but we want to give

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1           them a strong incentive to use it wisely, and  
2           to try to avoid it where they -- wasting it  
3           where they can.

4           A fixed rate, with no price tag associated  
5           with decisions to use more therms, is  
6           180-degree opposite from all those public  
7           policy goals. Now, it does a nice job of  
8           solving the cash flow fluctuation problems of  
9           the company, but it does a very poor job, in my  
10          mind, of sending good, appropriate price  
11          signals to customers. And I believe that  
12          concern that is pressure for constantly higher  
13          fixed monthly charges is one of the reasons OCA  
14          became comfortable with decoupling, and  
15          certainly one of the reasons -- one of the  
16          major advantages I see from my perspective of  
17          this Settlement.

18        A       (Therrien) Maybe I can just put it a little bit  
19                in practical terms. What straight fixed  
20                variable pricing would do, as Mr. Johnson  
21                described, is essentially force all customers  
22                to sign up for budget billing for their  
23                distribution portion of their bill. So,  
24                whether you want it or not, your bill is \$60 a

[WITNESS PANEL: Therrien|Johnson]

1 month. And there are plenty of people who, in  
2 the middle of July, do not want to pay \$60 for  
3 the distribution portion of their bill.

4 So, straight fixed variable, in concept,  
5 is nice, because then you would not need a  
6 reconciling mechanism. But it's a very  
7 difficult rate design to, from a practical  
8 standpoint, to put in place in many, many  
9 jurisdictions. To the best of my knowledge,  
10 Georgia does it, and they had a lot of  
11 push-back from their contingency. And they  
12 modified it. So, now they have what's called a  
13 "modified straight fixed variable", where they  
14 have kind of load-shaped this fixed charge.

15 And I think, at least in my view, a lot of  
16 what Dr. Johnson said about price signals is  
17 true. In my view, it's a fixed cost system,  
18 primarily a fixed cost system. But, from a  
19 practical standpoint, it just makes a lot of  
20 sense to include a variable component in the  
21 price signal.

22 Q Thank you. Now, perhaps it might make sense to  
23 direct the Commission and the panelists to  
24 Exhibit 14, which is Dr. Johnson's testimony,

[WITNESS PANEL: Therrien|Johnson]

1 and Bates Page 029 through 030 of that  
2 testimony, I believe.

3 A (Johnson) Yes.

4 Q Can you describe for me -- there's a chart in  
5 your testimony. Can you describe for me what's  
6 in the chart?

7 A (Johnson) Yes. These two pages are describing  
8 what I believe you marked this morning as  
9 "Exhibit 58", which is a detailed analysis of  
10 rate designs around the country by different  
11 gas companies. It was published in May of  
12 2015, and I don't think there's been a lot of  
13 change since then. The results, if you  
14 could -- if there were a report available,  
15 which there isn't up to the minute, I think you  
16 would see a very similar pattern.

17 Basically, it shows what different  
18 utilities are doing with regard to this  
19 question of "how large the fixed monthly charge  
20 should be?" and "how much of the revenue  
21 requirement should be recovered in the price  
22 associated with using gas?" And the essence of  
23 it is it shows that the Company's current  
24 approved fixed charge, which is about, as I

[WITNESS PANEL: Therrien|Johnson]

1 recall, \$22 for a typical heating customer, is  
2 about double the national average, which is  
3 about \$11.25. And you have that on my  
4 testimony at Page 29, Line 8.

5 So, the Company is already not the most  
6 extreme towards high fixed customer charges,  
7 but they're up there in the upper part of the  
8 range of the industry. There's a few out there  
9 that are even higher. But there's plenty of  
10 places out there that have seen the merits of  
11 the opposite, of trying to give a strong  
12 encouragement to people to be sensitive to how  
13 much electricity or gas they use. And in those  
14 jurisdictions, they have been moving customer  
15 charges down or holding them down to levels  
16 like \$4.00, \$5.00, \$8.00. So, when you get  
17 this average of 11, it's kind of a mixture.

18 You get some sense of it in the chart on  
19 Page 30, which is by region. In particular,  
20 because you can see the Pacific Region, there's  
21 only a few states in that region, and they all  
22 have a pro-energy efficiency approach to their  
23 rate design. So, that's a \$5.00 average. You  
24 can see the South Atlantic is about 10.

[WITNESS PANEL: Therrien|Johnson]

1           But, again, at \$22, the Company's rates  
2           are already quite high. And, so, if you look  
3           at my testimony, I spent a lot of testimony  
4           explaining OCA's perspective and my  
5           recommendation as to why we should actually be  
6           moving those rates back down, rather than  
7           increasing them, as the Company originally  
8           proposed.

9    Q       Thank you. And you mentioned that Exhibit 58  
10       was the basis for those charts. And I would  
11       ask you, Exhibit 58 contains an appendix. It  
12       has all of the fixed charges -- or, the  
13       customer charges, rather, for 133 natural gas  
14       distribution utilities, given this is 2015  
15       data.

16                But would you agree with me that, if you  
17       were to take all of these figures and put them  
18       in a spreadsheet, and organize them from  
19       highest to lowest, that EnergyNorth's fixed  
20       charge would be the twelfth highest of 133 gas  
21       distribution utilities in this chart, in this  
22       appendix?

23    A       (Johnson) I'm not confident that it's the  
24       twelfth. But, if you calculated it, I would

[WITNESS PANEL: Therrien|Johnson]

1 guess it's got to be extremely close, because  
2 you can just eyeball it, and you hardly see any  
3 numbers that are as high as this Company.

4 There are a few out there that are right up in  
5 this vicinity. I'm noticing "Madison Gas &  
6 Electric", in Wisconsin, at "21.60".

7 But, no. You can just eyeball the data  
8 and you can sense that the Company's current  
9 rates are already some of the highest. But  
10 then there are a few exceptions. There's one  
11 in New York City, in New York, that's "\$45.00"  
12 so, there are some exceptions. And, so, if  
13 they were the twelfth out of the whole country,  
14 in the top 10 percent, that sounds about right.

15 And, again, we put a lot of effort and a  
16 lot of testimony in trying to explain to the  
17 Commission why "Please don't do fixed variable  
18 as your solution." Please don't think "oh, the  
19 solution here is just make the fixed charge  
20 even higher in order to stabilize cash flows",  
21 because that completely undermines the benefits  
22 of giving customers a strong price signal and  
23 encouragement to pay attention to things like  
24 the R-value of the insulation in their home, to

[WITNESS PANEL: Therrien|Johnson]

1 pay closer attention, when they're choosing  
2 between two different appliances, a different  
3 furnace or water heater, how efficient it is.  
4 Q And if you could just turn to Page 10 of that  
5 document very quickly, I think it shows Liberty  
6 Utilities New Hampshire natural gas customer  
7 charge in 2015, is that correct? At about the  
8 middle of Page 10?

9 A (Johnson) Yes. I see it now.

10 Q And what was that charge?

11 A (Johnson) Well, I think I see it.

12 A (Therrien) I see it at \$19 --

13 *[Court reporter interruption.]*

14 **BY THE WITNESS:**

15 A (Therrien) I'm sorry. I see as "\$19.85".

16 A (Johnson) Yes. So, it's slightly lower in  
17 2015, and/or the way it's presented and  
18 calculated for consistency with the other  
19 utilities, it's slightly lower than the \$22  
20 I've been citing. But still that would explain  
21 why they're twelfth out of this list, rather  
22 than the absolute highest. But they're clearly  
23 one of the highest.

24 BY MR. BUCKLEY:

[WITNESS PANEL: Therrien|Johnson]

1 Q Thank you. Does this Settlement Agreement tie  
2 approval of full decoupling to any rate design  
3 changes? And can you tell me why that might  
4 be?

5 A (Johnson) Yes. Well, it's a package deal. But  
6 I think it's pretty explicit, and there's no  
7 secrets here. That part of the give-and-take  
8 in the settlement process is the Company backed  
9 off. There was a fundamental difference of  
10 viewpoint on this rate design issue. The  
11 Company had more of an across-the-board sort of  
12 approach. If anything, they were favoring  
13 increasing the fixed charge.

14 Whereas I recommended decreasing the fixed  
15 charge, while recovering the revenue  
16 requirement needs from the rate case elsewhere  
17 in the per therm.

18 The Settlement is a compromise. It  
19 doesn't lower the fixed charge as much as we  
20 originally recommended, but it does  
21 significantly lower them. And it also flattens  
22 the tail -- the declining block rate structure  
23 for residential customers. So, it definitely  
24 moves in the direction of what OCA was

[WITNESS PANEL: Therrien|Johnson]

1 originally advocating. And that's clearly part  
2 of the benefit of bargaining, in my mind, when  
3 I look at this Settlement, it's something  
4 significant that OCA was able to accomplish in  
5 the final give-and-take.

6 Q And would it be accurate to say that, on Page  
7 10 of the Settlement Agreement, the Parties --  
8 the second full paragraph, it states -- well,  
9 actually, can you read that into the record for  
10 me, the first sentence in the second full  
11 paragraph?

12 A (Johnson) Do you mean the "For residential  
13 rate" sentence?

14 Q Yes.

15 A (Johnson) "For residential rate design, the R-3  
16 customer charge and the R-1 customer charge  
17 will both be set at \$14.88 per month, which is  
18 \$2.00 per month lower than the currently  
19 effective customer charge for Rate R-1."

20 Q And would it be an accurate characterization to  
21 say that is significantly lower than the  
22 current customer charge for R-3 customers, and  
23 even lower than that, lower than the proposed  
24 customer charge originally filed in the

[WITNESS PANEL: Therrien|Johnson]

1 Petition?

2 A (Johnson) Yes. Particularly for the R-3  
3 customers, which is very large, the heating  
4 class. It's understated here, because you  
5 focus on the \$2.00. But the reality is, it's  
6 rolling those back even more, because the R-3  
7 customer charges are higher than the R-1. As I  
8 said, I think they're more on the order of 20  
9 some dollars, and this is lowering them to  
10 14.88.

11 Q And can you tell me additionally why the move  
12 to declining -- move from declining to flat  
13 blocks might accompany decoupling and what the  
14 benefits might be?

15 A (Johnson) They're very intimately related.  
16 They're basically trying to provide a stronger  
17 incentive for even the larger customers to  
18 invest in insulation, better furnaces, better  
19 water heaters, better appliances. So, the  
20 problem with -- you know, there's logic behind  
21 declining block rates. It's understandable why  
22 the industry has continued to have them, some  
23 companies still have them, in that it -- that  
24 there is an "equitable" argument that, you

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1 know, very large customers shouldn't be paying  
2 that much more than the small customers for the  
3 system, since they're both, you know, hooking  
4 into the system, using similar equipment.

5 But, from a policy point of view, giving a  
6 stronger price signal to those large customers  
7 is important. So, this Settlement kind of sets  
8 a compromise. It moves up the tail block a  
9 little bit, compared to the past rate design.  
10 But it doesn't do it to such an extreme degree  
11 that there will be rate shock or major problems  
12 for the large customers.

13 Q Thank you. And I think maybe this question is  
14 for Mr. Therrien. How does the Company plan to  
15 communicate with its customers about revenue  
16 decoupling?

17 A (Therrien) Well, that -- frankly, that might be  
18 a better question for the Company. I do  
19 understand that, when I put together my  
20 rebuttal testimony, we had discussions about  
21 that. And we're willing -- my understanding is  
22 the Company is willing to work with the OCA to  
23 come up with a robust communication plan,  
24 particularly to help explain the real-time

[WITNESS PANEL: Therrien|Johnson]

1 component of decoupling, and what the benefits  
2 are.

3 So, my understanding is that it will be a  
4 joint effort, and it will be a significant -- a  
5 significant effort.

6 Q A joint effort, with input from the OCA, the  
7 Company, and Staff as well, is that correct?

8 A (Therrien) That's my understanding, yes.

9 MR. BUCKLEY: Thank you. I have just  
10 a few more questions where I will be addressing  
11 some of the common misconceptions about  
12 decoupling. But I'm wondering if maybe now  
13 might be time for a quick break in between, or  
14 should I just continue moving on?

15 CHAIRMAN HONIGBERG: Let's go off the  
16 record.

17 *[Brief off-the-record discussion*  
18 *ensued.]*

19 CHAIRMAN HONIGBERG: All right.  
20 Then, let's take a short break now.

21 *(Recess taken at 11:20 a.m.*  
22 *and the hearing resumed at*  
23 *11:43 a.m.)*

24 CHAIRMAN HONIGBERG: Mr. Buckley.

[WITNESS PANEL: Therrien|Johnson]

1 MR. BUCKLEY: Thank you, Mr.  
2 Chairman.

3 BY MR. BUCKLEY:

4 Q So, the rest of our discussion I think is going  
5 to focus on addressing some common  
6 misconceptions about decoupling. But, first, I  
7 want to follow up on a Commissioner question  
8 that was asked in one of the first days, I  
9 think it was the first day of the hearing. And  
10 it was about "Tucson model decoupling", I  
11 believe.

12 Can one of you describe what "Tucson model  
13 decoupling" is?

14 A (Johnson) Yes. I believe it's named after  
15 Tucson, a company in Tucson, Arizona, that  
16 adopted that approach, or offered it. And  
17 basically, it was the idea that, when you had a  
18 annual true-up, the increases and decreases,  
19 depending on the direction, would determine  
20 whether you were calculating the amount of the  
21 credit or the increase, the surcharge, based on  
22 either the tail block or the block with  
23 slightly higher rates, than if you have a  
24 declining block. And it was basically designed

[WITNESS PANEL: Therrien|Johnson]

1 to be -- always favor the customer. So, if the  
2 rate were going up, then you would use the tail  
3 block rate. But, if you're giving them a  
4 credit, you know, sending them money back, then  
5 you would use the higher number from the  
6 interior block. That's the concept behind it.

7 Q And you mentioned "designed to always favor the  
8 customer", but did you possibly mean "designed  
9 to favor lower usage customers"?

10 A (Johnson) I believe it might do that as well,  
11 because some customers -- in any event, the  
12 mechanism tends to be asymmetrical, and that  
13 asymmetry tends to work to the advantage of  
14 customers more often than not, compared to a  
15 more neutral approach.

16 Q And just to clarify, is that anything that has  
17 been adopted within the present Settlement  
18 Agreement?

19 A (Johnson) No. And I don't think it's very  
20 widespread. To be honest with you, it's hard  
21 to come up with a rationale to justify it. If  
22 you want to advocate it, I'm sure some people  
23 can, and I'm sure they have some kind of  
24 argument for it. But, to me, the asymmetry is

[WITNESS PANEL: Therrien|Johnson]

1 a little hard to articulate a sound economic  
2 principle for it.

3 But, in any event, in this Settlement,  
4 it's kind of moot, because the effort was made  
5 towards flattening the difference between the  
6 tail block and the interior blocks. So, it  
7 kind of moots the whole question of whether  
8 that would have been helpful or appropriate.

9 And again, the problem was, even if it  
10 slightly helps customers, then it's eroding a  
11 little bit of the revenue benefit from the  
12 Company's point of view. So, you get  
13 push-back, they're not going to be very happy  
14 about signing onto it. So, if there were --  
15 again, I wasn't part of the direct settlement  
16 negotiations, but I can easily see where the  
17 Company wouldn't have been happy about it. And  
18 to me, it not being a priority for OCA, having  
19 the priority be flattening the rate design  
20 makes a lot of sense to me, is a much better  
21 improvement.

22 If there's going to be give-and-take  
23 between something that potentially hurts the  
24 Company, like the Tucson method, giving that up

[WITNESS PANEL: Therrien|Johnson]

1 in return for something that helps customers  
2 and helps public policy by flattening the rate  
3 design, to me is a very good trade-off.

4 Q Thank you, Dr. Johnson. Moving on, we'll now  
5 address a couple of the common misconceptions  
6 about decoupling.

7 Question: Does decoupling diminish the  
8 utility's incentive to control costs between  
9 rate cases?

10 A (Johnson) No. The incentives remain the same.  
11 They still have the incentive that, if they  
12 keep their operating costs down or as they have  
13 to replace plant that's, you know, getting old  
14 and has to be upgraded or make other  
15 investments, getting the best possible price  
16 for that, because between rate cases, the money  
17 flows to their bottom line, earnings per share,  
18 if they are more efficient, if they control  
19 costs.

20 So, that mechanism of incentive that rate  
21 base regulation has stays the same.

22 A (Therrien) Yes. And I would add emphatically  
23 that decoupling is not an "earnings" mechanism;  
24 it is a "revenue" mechanism. Big difference.

[WITNESS PANEL: Therrien|Johnson]

1           So, the utility must still continue to  
2           control its costs.

3   Q       So, another, I think, somewhat related question  
4           is, does decoupling eliminate the incentive for  
5           the utility to invest in capital projects? And  
6           if so, would that have adverse consequences?

7   A       (Johnson) Again, no. You still have -- you're  
8           basically locking in revenues. So, to the  
9           extent they're investing between rate cases,  
10          they have to both be careful about how much  
11          they invest and where they spend it, but they  
12          have to look at sort of a cost/benefit  
13          analysis, just as a competitive firm would,  
14          trying to conclude "is this investment going to  
15          either save me operating costs to help pay for  
16          itself?" Or, "Is it going to be, you know,  
17          increase safety? Is there a real benefit to  
18          making this investment?"

19                To the extent, without decoupling, they  
20                had this mixed incentive to maybe kind of want  
21                to favor growth, because it does benefit their  
22                bottom line absent decoupling. Then,  
23                investments that potentially incentivize growth  
24                within the system by existing customers,

[WITNESS PANEL: Therrien|Johnson]

1 perhaps there's less of an incentive.

2 But, conversely, what they still have a  
3 desire for, earnings per share growth,  
4 companies, again, the natural corporate culture  
5 of our country, the stock market rewards  
6 companies that are growing. We have to  
7 recognize that reality. But that reality  
8 basically forces them to focus, in the context  
9 of this decoupling settlement, focusing on  
10 expanding into new franchise areas, adding new  
11 customers. And I believe, ultimately,  
12 targeting their growth interest in that  
13 direction is better for New Hampshire, because  
14 it's looking for places where the investment  
15 and return on investment, the cost of investing  
16 to help people get off of very costly fuel oil  
17 or other alternatives, they're also not as  
18 environmentally benign as natural gas, not to  
19 say that natural gas isn't -- is perfectly  
20 benign, I understand there's a movement in the  
21 direction that's good for public policy, if  
22 they can do it in ways that customers benefit  
23 from, you know, even though, with the cost of a  
24 new system, it's cheaper than what they're

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1 paying currently.

2 So, all that's a long way of saying that  
3 they're still going to have a desire to grow.  
4 But they're going to be looking for other ways  
5 to grow, either in other states or within this  
6 state, into other franchise areas that they  
7 might be able to expand into.

8 A (Therrien) And if I could add to the question  
9 about investment. Remind everybody that  
10 decoupling really brings your revenues back to  
11 what that is allowed in your rate case.

12 So, with decoupling or without decoupling,  
13 the Company is always motivated to manage their  
14 investment portfolio wisely. One could argue  
15 that, with decoupling, it actually helps that  
16 management of capital investment, because you  
17 don't run into a situation where you had an  
18 abnormally warm winter, you did not recover  
19 enough revenue requirement, and now you have to  
20 make the tough choices: Do I cut operating  
21 costs or do I delay an investment?

22 So, in my view, it actually -- decoupling  
23 can help with investment management.

24 Q Thank you. Does decoupling result in an

[WITNESS PANEL: Therrien|Johnson]

1 automatic bill increase for customers every  
2 year?

3 A (Johnson) I wouldn't word it that way. I mean,  
4 you could say that, yes, there is going to  
5 be -- if there's a trend towards less usage per  
6 customer, then perhaps over time the rate will  
7 go up slightly.

8 But I think it will be very misleading to  
9 describe it that way. Because when people talk  
10 about a "rate increase", they're thinking of  
11 something like what will come out of this rate  
12 case, whether it's a 5 percent or 10 percent  
13 increase. And in that sense, no, not at all.

14 Q And would it be accurate to say that the word  
15 "ratepayers" is somewhat misleading, in that  
16 customers -- customers pay bills, and they are  
17 what -- that is what customers are concerned  
18 about is their bill. Would that be an accurate  
19 assessment?

20 A (Johnson) Yes. In fact, that's a good point.  
21 Because, again, it's stabilizing the Company's  
22 cash flows, it's also stabilizing the customers  
23 bills. And so, from a customer's perspective,  
24 a stable, more predictable bill I think is

[WITNESS PANEL: Therrien|Johnson]

1 better.

2 And the other thing to keep in mind,  
3 again, if we're going back to this trend over  
4 time, it's going to get picked up in rate  
5 cases. So, all we're really talking about at  
6 most is a slight difference in timing, between  
7 having to have slightly more frequent rate  
8 cases without decoupling or slightly rarer rate  
9 cases with decoupling.

10 And back to the incentive to operate the  
11 Company efficiently, a regime where you're not  
12 constantly having to come in for rate cases is  
13 a situation in which that normal incentive to  
14 operate the business efficiently is at its  
15 maximum.

16 If you're constantly coming in, if you had  
17 a rate case every single year, over time the  
18 corporate culture could deteriorate. A lot of  
19 people in the company might start getting the  
20 attitude "Well, it's all going to get passed  
21 through to customers anyway. We've got a rate  
22 case pending." You know, they don't like to  
23 talk about that. But that's the reality. You  
24 don't want to get in a situation where you're

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1           having a rate case every six months or every  
2           single year, which is exactly why cost of gas  
3           adjustment clauses, purchase power adjustment  
4           clauses for electric utilities, were adopted in  
5           the '70s and '80s. Because you don't want to  
6           have -- it's not good for the Commission and  
7           it's not good for efficiency to have a built-in  
8           constant flow of rate cases.

9    Q       Thank you. So, are you familiar with -- are  
10           you familiar with the argument that "decoupling  
11           shifts risks associated with revenue  
12           stability/instability away from the company and  
13           onto customers"?

14   A       (Johnson) I've heard that argument. There  
15           are -- I think it's somewhat misleading, and  
16           it's especially misleading in the context of  
17           this Settlement, where the main point in  
18           controversy is the weather. So, I want to  
19           first respond, as far as weather, there is no  
20           shifting from one party to the other. It's a  
21           win/win; the stockholders have lower risk,  
22           customers have lower risks.

23                       Now, as to say the risk of a warming  
24           trend, perhaps you could argue that there is a

[WITNESS PANEL: Therrien|Johnson]

1 slightly lower risk for the Company. But I  
2 don't think it's a significantly increased risk  
3 for customers. Again, it's just very, very  
4 subtle. It's just the difference between the  
5 timing of rate cases, because something like a  
6 warming trend will cause a rate case  
7 eventually. If it's severe enough, the volumes  
8 are low enough, the Company has to come back.  
9 So, and then there's risk for customers of,  
10 when they come back, that, you know, again,  
11 they didn't have a strong inefficiency. That's  
12 why I went into that long digression about "you  
13 don't want constant rate cases."

14 So, I'm trying to show you that, even  
15 though, theoretically, you might say there's  
16 slightly more risk of global warming impacting  
17 customers, I would argue that is outweighed by  
18 the risk of more frequent rate cases  
19 diminishing incentives. And so, therefore, if  
20 they are just a little bit less vigilant in how  
21 they control their operating expenses, and a  
22 little bit less vigilant in making those  
23 investment decisions, because they're  
24 constantly coming in for rate cases, that would

[WITNESS PANEL: Therrien|Johnson]

1 more than swamp any, you know, more than  
2 outweigh any slight shift of adding risk of  
3 global warming onto customers.

4 So, again, I don't really think it's fair  
5 to say that it's been moved from one or the  
6 other. I truly believe risks are reduced for  
7 both.

8 A (Therrien) And I would just add that, and again  
9 I will parse out weather as well, weather is a  
10 symmetrical risk. It could be warmer or colder  
11 than normal. Period. It will be one or the  
12 other. I don't remember a year that was  
13 perfectly normal.

14 And insofar as what the rest of decoupling  
15 captures, I agree with Dr. Johnson, it's a  
16 matter of timing. So, customers will  
17 ultimately either pay or be rewarded for the  
18 change in the cost of service.

19 Q Thank you. And so, following up on this  
20 discussion of "risk", are there approaches that  
21 other commissions have taken to maybe revise  
22 the outcome of a rate case in some way, shape,  
23 or form, relative to risk when decoupling has  
24 been adopted?

[WITNESS PANEL: Therrien|Johnson]

1 A (Johnson) I think that there's been discussion  
2 of whether the return on equity is slightly  
3 lower or should be slightly lower, because the  
4 cost of equity is slightly lower. And if  
5 that's what you're alluding to, I'd be happy to  
6 comment further on that?

7 Q Sure.

8 A (Johnson) Okay. So, it is a debate. And the  
9 problem is, it's kind of a standoff. From a  
10 purely theoretical point of view, I think it's  
11 indisputable that, if your cash flow management  
12 are diminished, and the risk of earnings  
13 fluctuating from year to year because of  
14 strange movements in the weather, there is a  
15 reduction in risk, which should logically flow  
16 through to a reduction in the return on equity  
17 and the cost of equity. But it's a standoff,  
18 because you can't find it in the data very  
19 easily. And the studies that have been done on  
20 it are all showing it's either a very, very  
21 small difference that's just within the noise  
22 of any attempt to tweak it out of the data.

23 So, it becomes very speculative and hard  
24 to quantify how much of an adjustment should it

[WITNESS PANEL: Therrien|Johnson]

1 be. And there's no theoretical basis that I  
2 know of for being able to say "Well, it ought  
3 to be one basis point" or "three basis points".  
4 And many times return on equity is rounded to  
5 the nearest 50 basis points. So, it's very  
6 hard to deal with, even though, on purely  
7 theoretical grounds, it makes sense that, if  
8 there's slightly lower risk, there should be a  
9 slightly lower cost of equity. So, very rare  
10 that you actually see it in a commission order  
11 actually making an adjustment.

12 For this particular case, this Settlement  
13 has an agreed upon cost of equity/return on  
14 equity. And it undoubtedly captured that  
15 give-and-take between OCA and the Company. You  
16 know, the OCA probably thought the return  
17 should be a little lower. I'm confident the  
18 Company wanted it higher. They compromised. I  
19 think that compromise would have reflected the  
20 reality that, again, on purely theoretical  
21 grounds, you could argue for a lowering. But,  
22 on a practical, you know, quantitative basis,  
23 it's very hard to show a specific number. I  
24 think the best you can get is to finally reach

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1 a judgment, and that is what's reflected in the  
2 Settlement.

3 A (Therrien) And I would add that decoupling  
4 really is not new. It has been around for a  
5 couple of decades now. Early on, there was a  
6 lot of discussion around whether ROE should be  
7 adjusted in concert with implementing  
8 decoupling. And there were some specific  
9 adjustments made 15, 20 years ago, and you see  
10 them -- as a matter of fact, I haven't seen one  
11 in years. Which implies a couple of things.  
12 As Dr. Johnson said, it's somewhere in the  
13 noise of the process of developing ROE. And  
14 two, because decoupling is so prevalent across  
15 the country, it's almost inescapable that  
16 companies in the proxy group will have  
17 decoupling. So, you don't see many adjustments  
18 on that.

19 Q And are either of you aware of -- so, we  
20 mentioned this discussion of possible effect on  
21 ROE. But are either of you aware of either  
22 settlements or guidance that prescribes maybe  
23 another approach related to capitalization  
24 structure when decoupling is adopted?

[WITNESS PANEL: Therrien|Johnson]

1 A (Johnson) I know you're trying not to lead us,  
2 but, unfortunately, I'm not quite sure what  
3 you're referring to. Maybe you can hint a  
4 little more at what you want to talk about.

5 Q So, I can -- would you agree with me that, in  
6 some states, the decreasing of volatility in  
7 revenues associated with decoupling has been a  
8 justification for including slightly more debt  
9 in a company's overall capital structure?

10 A (Johnson) I think that -- I can't recall  
11 specifically how often that happens. But,  
12 again, it goes right back to the pure logic  
13 that, if there is, in fact, some improvement in  
14 the cash flow management, then you should be  
15 able to take on a little bit more debt, without  
16 having coverage problems and without having  
17 problems with your bond ratings coming down.

18 So, that is another potential way the  
19 customers over the long haul can benefit. If  
20 you can get a few years of experience with a  
21 more stable revenue stream, which translates  
22 into more, you know, stable cash flows, and  
23 therefore better ratios that are used by the  
24 rating agencies to evaluate bond ratings, you

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1 may see either an upgrade in the rating, or it  
2 won't deteriorate under circumstances where it  
3 otherwise would. So, ultimately, that will, I  
4 think, flow through to customers' benefit in a  
5 very natural way, without it being particularly  
6 controversial. You simply have the ability to  
7 maintain a higher rating, which, in turn, would  
8 potentially either lower interest rates on the  
9 bonds and/or be able to justify a little bit  
10 more debt, where there's less pressure to  
11 increase the equity ratio from the investment  
12 community and from the company in a rate case.

13 Q And the effect of both of those approaches,  
14 just to be clear, would be to reduce the  
15 overall revenue requirement, is that correct?  
16 The total sum package, after both  
17 capitalization structure and/or ROE are  
18 considered?

19 A (Johnson) Yes. And again, that's -- those are  
20 benefits particularly for this weather  
21 component, that is where the bulk of the  
22 stabilization and the calming down of cash  
23 flows is coming from. That benefit will start  
24 showing up over time. And, you know, if you

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1 take the long view of representing the  
2 interests of residential and commercial and  
3 other customers over the long haul, the next  
4 five, ten, twenty, thirty years, there's no  
5 doubt in my mind that putting in place an  
6 appropriate real-time weather mechanism is  
7 going to benefit customers in a very real way  
8 over time, even though it may be hard to  
9 quantify it and say "well, that's why we are  
10 where we are." But, again, the slowing down of  
11 rate cases, the strengthening of bond ratings,  
12 all those benefits will show up over time.

13 Q Thank you. And, Ben, I think that you  
14 mentioned this a few moments ago. But would  
15 both of you agree with me that, while the  
16 Settlement has not explicitly adopted either  
17 approach here, risk reduction was a factor  
18 considered in the compromise reached by the  
19 Parties, along with all of the other factors  
20 considered in the compromise reached by the  
21 Parties?

22 A (Johnson) I believe so. I certainly know that  
23 I've discussed it with you folks on the phone,  
24 as you were going into settlement negotiations,

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1 that there were -- that to be aware of and be  
2 sensitive to the long-term benefits to  
3 customers, and not be overly concerned with  
4 what you could show up -- show was happening in  
5 the next month or two.

6 So, with that awareness, I do believe that  
7 it was considered by OCA, and certainly the  
8 Company would be very aware of the long-term  
9 benefits from a company perspective.

10 A (Therrien) So, I personally was not involved in  
11 the negotiations, *per se*. But I have been in  
12 other cases. And I guess my response to you is  
13 that all components of a settlement agreement  
14 have value.

15 Q Thank you. So, there was some discussion  
16 earlier about the move away from the higher  
17 fixed customer charges in the residential  
18 class, and how the assurances -- the assurances  
19 related to revenues that are associated with  
20 decoupling could help precipitate that move and  
21 provide some justification for that move.

22 We only talked about the residential  
23 customer class, is that correct?

24 A (Johnson) In the Settlement -- in our

[WITNESS PANEL: Therrien|Johnson]

1 discussion, yes. Yes. Correct.

2 Q And can you tell me, does that same  
3 justification exist for the commercial and  
4 industrial customers?

5 A (Johnson) Yes. And in my testimony, I talked  
6 extensively about recommending reducing fixed  
7 customer charges for commercial customers as  
8 well.

9 A (Therrien) Right. And I would agree that it  
10 also applies to commercial/industrial. And my  
11 understanding of the Settlement is that those  
12 rates were held flat with current rates.

13 Q That's correct.

14 A (Therrien) Which is contrary to my original  
15 recommendation to increase them.

16 Q Thank you. So, I think I have one final  
17 question here. And it relates to the idea of  
18 inclusion of weather within the -- under the  
19 umbrella of the decoupling mechanism.

20 Can you just summarize again for me why it  
21 might be prudent to include weather, and why  
22 that is not a shifting of risk associated with  
23 volatility?

24 A (Johnson) When weather is included the way it

[WITNESS PANEL: Therrien|Johnson]

1 is in the Settlement Agreement, it reduces  
2 risks for residential customers and commercial  
3 customers. It also reduces risks for the  
4 Company. So, there is simply no shifting going  
5 on, for both the person sending the bill and  
6 the one paying the bill. The cash flows become  
7 more predictable and will -- can be anticipated  
8 to follow the pattern of normal weather that  
9 follows normal, seasonal fluctuations over  
10 time. And, so, from both points of view, they  
11 can plan better, their cash flows are more  
12 stable and more predictable.

13 A (Therrien) And in my view, for a system that --  
14 for a delivery system that, in my view, is  
15 primarily fixed cost, by including weather in  
16 the decoupling, it recognizes that neither the  
17 customer should overpay for the use of that  
18 system, nor should the Company under earn,  
19 frankly, because they have under collected for  
20 the cost of that system.

21 Q Thank you. And if I could just ask you to very  
22 quickly turn to Exhibit 59, which is the  
23 Regulatory Assistance Project's "Revenue  
24 Regulation and Decoupling: A Guide to Theory

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1 and Application".

2 A (Johnson) Okay.

3 Q If you could please turn to Page 45 in that  
4 guide.

5 A (Johnson) Okay.

6 Q Ben, can you please read the paragraph that  
7 begins with "Full decoupling means"?

8 A (Johnson) Yes. It's in the middle of the  
9 page.

10 "Full decoupling means that utility  
11 profits are no longer adversely affected by  
12 weather condition that reduce sales volumes,  
13 and some critics consider this a shift of  
14 weather risk to consumers. This is a  
15 fundamentally flawed argument. First,  
16 decoupling also removes the profit enhancement  
17 that occurs under traditional regulation when  
18 weather conditions cause sales increases.  
19 Second, with current decoupling, although  
20 prices go up when sales go down, they do so  
21 simultaneously, so that customer bill  
22 volatility is reduced, a benefit to consumers  
23 attempting to live within a budget. In  
24 addition, when sales go up, prices come down,

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1           thereby mitigating the bill's impacts. In this  
2           sense, decoupling mitigates earnings risk for  
3           utilities and expense risk for consumers,  
4           making both better off, and in the process, it  
5           creates the earnings stability to justify a  
6           lower overall cost of capital, which reduces  
7           absolute costs to consumers."

8                   MR. BUCKLEY: Thank you very much.

9           No further questions.

10                   CHAIRMAN HONIGBERG: Mr. Sheehan, do  
11           you have any further questions for the panel?

12                   MR. SHEEHAN: I do not.

13                   CHAIRMAN HONIGBERG: Mr. Dexter.

14                   MR. DEXTER: Thank you, Mr. Chairman.

15           Good morning.

16                   WITNESS THERRIEN: Good morning.

17                   WITNESS JOHNSON: Good morning.

18                           **CROSS-EXAMINATION**

19 BY MR. DEXTER:

20 Q       I would like to start with some questions that  
21       I think will be directed to Mr. Therrien. And  
22       I'd like you to turn to your initial testimony  
23       in this case, and in particular, to Bates  
24       Page -- I'm going to look at Bates Pages 280 to

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1 287.

2 A (Therrien) I have that.

3 Q So, on Page 280, you're answering a question  
4 that's actually on Page 279, that says -- that  
5 asks you to summarize the scope of your  
6 testimony on decoupling. Could you read Item  
7 Number 5 please, on Page 280.

8 A (Therrien) Yes. "Describe and explain" --  
9 Number 5, "describe and explain the Company's  
10 proposed RDM, which will allow EnergyNorth to  
11 continue to be a forceful and active advocate  
12 for energy conservation efforts, without  
13 harming its ability to earn a reasonable  
14 return."

15 Q Thank you. And if we go to Page 280 -- 281,  
16 which is the next page, would you agree that --  
17 could you read Lines 1 and 2 into the record  
18 please.

19 A (Therrien) "In recent years, there has been a  
20 heightened focus on energy conservation efforts  
21 and policies that encourage conservation. This  
22 interest in energy conservation has been  
23 attributed to environmental considerations and  
24 to a dramatic spike in energy prices that

[WITNESS PANEL: Therrien|Johnson]

1 occurred in 2005 to 2006, and again in 2009."

2 Q And then would you agree that there's a  
3 footnote that goes with those sentences that  
4 goes on to talk about some of the history of  
5 energy efficiency orders and the like in the  
6 State of New Hampshire?

7 A (Therrien) Yes.

8 Q So, when we get to Page 282, would you agree --  
9 well, why don't you read what begins at Page 8,  
10 in response to what the decoupling -- I'm  
11 sorry, Line 8, in response to what the  
12 decoupling measure is intended to do.

13 A (Therrien) Line 8, the Company is proposing --  
14 "will allow the Company to remain an effective  
15 champion of energy efficiency initiatives  
16 without the financial disincentives that  
17 currently exist".

18 Q And then moving onto Page 283, would you agree  
19 that at the top of Page 283 again reinforces  
20 the point that decoupling will allow the  
21 Company to pursue energy efficiency?

22 A (Therrien) Yes.

23 Q And I could go on. But would you agree that  
24 that's essentially the theme of the next two or

[WITNESS PANEL: Therrien|Johnson]

1 three pages of your testimony, and as you  
2 stated today that --

3 A (Therrien) Yes.

4 Q -- that a primary, or the primary -- well, let  
5 me ask you. Was it the primary reason for the  
6 Company proposing decoupling in this case to  
7 remove any disincentive that exists with  
8 respect to energy efficiency programs?

9 A (Therrien) Well, I would say that the  
10 overarching reason for the proposal was to  
11 sever the link between sales and Company  
12 revenues.

13 Q Right. And what was the primary reason for  
14 severing that link, as expressed in your  
15 testimony?

16 A (Therrien) To enforce and champion energy  
17 efficiency.

18 Q Thank you. So, you're familiar with the EERS  
19 standards that have been adopted in the state,  
20 I believe, is that correct?

21 A (Therrien) Yes, at a high level.

22 Q Right. So, would you agree that the Company is  
23 obligated to meet those Energy Efficiency  
24 Resource -- the EERS standards that were set

[WITNESS PANEL: Therrien|Johnson]

1 out in the Settlement -- I'm sorry, in the  
2 order that you referenced earlier?

3 A (Therrien) My understanding is that that is  
4 true for the specific programs that are  
5 included in the programs, in the rate  
6 structure.

7 Q I'm not sure I understand that answer. So, let  
8 me try it again. So, isn't it correct that the  
9 EERS standard set forth standards that have to  
10 be met?

11 A (Therrien) Yes.

12 Q And those standards are related to  
13 utility-sponsored energy efficiency programs?

14 A (Therrien) Yes.

15 Q Okay. And along with those, as part of that  
16 EERS docket, I think it was 15-137, there  
17 were -- was a lost base revenue mechanism  
18 adopted as well, would you agree with that?

19 A (Therrien) Yes.

20 Q And there was a Performance Incentive that was  
21 altered, but continued. I think you stated  
22 that earlier today as well?

23 A (Therrien) That's correct.

24 Q Okay. So, I think it was Dr. Johnson that

[WITNESS PANEL: Therrien|Johnson]

1 stated earlier that one of the reasons for  
2 decoupling is to avoid a situation where  
3 utilities might -- I think the term you used  
4 was "drag their feet" with respect to energy  
5 efficiency. Do you recall that, Dr. Johnson?

6 A (Johnson) The "dragging of feet"? The dragging  
7 of feet, if it occurs, would be with respect to  
8 energy efficiency that's not encompassed by  
9 mandates or requirements or customer-funded  
10 programs. That's why I gave examples like  
11 going and meeting with local builders trying to  
12 educate them, you know, go to a Kiwanis Club  
13 and maybe talk about the benefits to society,  
14 and teaching people, when they're buying an  
15 appliance, what numbers mean and what they look  
16 like and so on. All of that goes outside the  
17 scope of a traditional program, specifically  
18 because that's the type of area where the feet  
19 dragging, if it exists, would be likely to  
20 happen right now in the context of an LRAM.  
21 The LRAM solves part of the problem, but not  
22 the entirety of the problem.

23 Q But there's no evidence then, if I understand  
24 what you're saying, or it's not even your

[WITNESS PANEL: Therrien|Johnson]

1 suggestion that EnergyNorth has been dragging  
2 its feet with respect to meeting its energy --  
3 with EERS requirements?

4 A (Johnson) I would expect them to fulfill the  
5 requirements that are mandated. But the  
6 decoupling is not designed to solve that  
7 problem, which is already dealt with in the  
8 LRAM. It's designed to go beyond that and deal  
9 with the problems that would be very hard to  
10 quantify and very hard to programmatically  
11 solve.

12 But, by removing this financial  
13 disincentive for encouraging energy efficiency,  
14 the way I've seen it written in testimony is,  
15 in essence, they could become "wholehearted  
16 champions", rather than "half-hearted  
17 champions" of energy efficiency.

18 Q And, Mr. Therrien, I see you're nodding. Do  
19 you agree then that the purpose of your  
20 proposal was to foster energy efficiency beyond  
21 what was required in the EERS?

22 A (Therrien) Yes. In fact, in my rebuttal  
23 testimony, I lifted a passage that Dr. Johnson  
24 wrote, which is a pretty unusual thing for me

[WITNESS PANEL: Therrien|Johnson]

1 to do, frankly, and agree with it. And that is  
2 contained on Bates 181. And I'll paraphrase,  
3 but Dr. Johnson goes through the heightened  
4 awareness of greenhouse gas emissions,  
5 improvements to energy efficiency from building  
6 codes. All of these things that are beyond the  
7 prescribed programs, I believe you called them  
8 "mandated programs" that are currently in  
9 existence.

10 I think the LRAM in and of itself actually  
11 constrains the Company from being full  
12 champions, because that's the only thing that  
13 they feel that they have responsibility for.

14 Q So that adoption of decoupling then could lead  
15 to even greater energy efficiency?

16 A (Therrien) I think so, yes.

17 Q Okay. There are some charts in your testimony,  
18 this is Mr. Therrien, and again I'm referring  
19 to your original filing that I'd like to look  
20 at for a moment. I'd like to look at Bates  
21 Page 334 and 335 and 336.

22 Could you describe what these charts are  
23 intended to show?

24 A (Therrien) Yes. These are intended to show, on

[WITNESS PANEL: Therrien|Johnson]

1 a 12-month rolling total basis a trend of  
2 normalized usage. So, that's a lot of words.  
3 But, if you look at the chart -- the second  
4 chart down on Bates 334, it's the "Residential  
5 Heating Rolling 12 Months Normalized Use per  
6 Customer". This basically says, on a  
7 normalized basis, a full year's worth of  
8 consumption, in December -- the 12 months  
9 ending December 2005 was somewhere around 920  
10 therms. And that has declined to somewhere  
11 about 760 therms for the 12 months ended  
12 December 2016.

13 Q And in that title and in your response you  
14 mentioned the word "normal". Could you explain  
15 what that means?

16 A (Therrien) Yes. It means "adjusting for the  
17 impacts of weather".

18 Q Those these are weather normalized?

19 A (Therrien) Yes, they are.

20 Q Okay. Was it difficult or unusual for you to  
21 get information that was weather normalized to  
22 put into this chart?

23 A (Therrien) No.

24 Q It's fairly standard, would you agree, --

[WITNESS PANEL: Therrien|Johnson]

1 A (Therrien) It is.

2 Q -- to present information like this on a  
3 weather-normalized basis?

4 A (Therrien) Yes. Excuse me.

5 Q And if you could turn to Bates Page 339,  
6 there's one more chart I'd just like to ask you  
7 about. Do you have that in front of you?

8 A (Therrien) I do.

9 Q So could you explain what this chart shows?

10 A (Therrien) This is simply the annual average  
11 number of customers on EnergyNorth's system.

12 Q And what does it show in terms of trend?

13 A (Therrien) It shows a modest increase over the  
14 ten-year period.

15 Q And in the box there is an acronym  
16 "CAGR: 1.0%". Could you explain what that is?

17 A (Therrien) Yes. That stands for "Compound  
18 Annual Growth Rate". So, that, you know, it's  
19 akin to like interest on your bank account. If  
20 you had 1 percent, and you had \$100, at the end  
21 of the year you'd have 101. And then, if your  
22 next year's interest was 1 percent, it would be  
23 \$101 times 1 percent would be added, so on and  
24 so forth.

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1           So, this chart, over this period of time,  
2           point-to-point growth was 11.2 percent. But,  
3           on an annual basis, it was 1 percent.

4   Q       So, is it fair to summarize this as roughly  
5           that EnergyNorth is adding 1 percent of  
6           customers per year over this period?

7   A       (Therrien) Yes.

8   Q       I want to -- now, I know that your proposal is  
9           not what was adopted in the Settlement, and I  
10          understand that. But there's no example that I  
11          see in the Settlement as to how the mechanisms  
12          would work. So, I wanted to explore for a few  
13          minutes on how a weather normalization -- I'm  
14          sorry, how a decoupling mechanism would work.  
15          And I think your charts on Bates 043 through --  
16          343 through 347 will help do that. So, I'm  
17          going to ask you to turn to those. And again,  
18          I understand that this is not what's in the  
19          Settlement.

20   A       (Therrien) Understood. I have that.

21   Q       Okay. And I want to look at Page 343 first.  
22           And would you agree that this is intended to be  
23           an example of how the mechanism would work?

24   A       (Therrien) Yes.

[WITNESS PANEL: Therrien|Johnson]

1 Q Okay. And this covers all rate classes, does  
2 it not? This is the entire company, this  
3 chart?

4 A (Therrien) Yes. Firm customers, yes.

5 Q Firm customers. Fair enough. So, would you  
6 just explain how this chart works. And then  
7 the result, I think, shows up in the bottom  
8 right-hand corner of about \$4 million. Would  
9 you just explain for the Commission, in this  
10 example, how the revenue decoupling mechanism  
11 would work?

12 A (Therrien) Certainly. So, starting left to  
13 right, there's the individual rate classes, and  
14 then you'll see a "Winter" and "Summer", in  
15 Column (A) and (B), which is the "Target  
16 Revenue per Customer". That target revenue per  
17 customer will be determined in this instant  
18 case. So, whatever is allowed, revenues that  
19 are allocated, for instance, to the Residential  
20 Heating class, when you divide by the number of  
21 customers included in this instant case, you  
22 would get "\$347.12" for an average revenue per  
23 customer in winter, and "\$184.96" for an  
24 average residential heating customer in the

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[WITNESS PANEL: Therrien|Johnson]

1 summer. That becomes your baseline.

2 Then, as you march through this exhibit,  
3 it starts to calculate that same revenue per  
4 customer number for each class based on what  
5 actually happened. So, let's take "Summer  
6 2011". Again, I'll stick with the Residential  
7 Heating class. The actual revenues were  
8 "12,793,077", customers were "70,289",  
9 resulting in a revenue per customer of  
10 "\$182.01".

11 So, now that \$182.01 is compared to the  
12 baseline, which was \$184.96. So, moving over  
13 to the "Shortfall (Surplus)" column, you'll see  
14 that there was a shortfall of "\$2.96" per  
15 Residential Heating customer.

16 Q And because you're looking at summer,  
17 Residential Heat customers, is it -- can one  
18 conclude from this that weather plays a minor  
19 impact in that \$2.96 figure that you gave?

20 A (Therrien) Yes.

21 Q And so, could you continue then to the right  
22 and discuss the same numbers for the winter  
23 please.

24 A (Therrien) Certainly. Using that same logic,

[WITNESS PANEL: Therrien|Johnson]

1 the actual revenue per customer, for the  
2 Residential Heating class, was "\$315.86". That  
3 is compared to the winter benchmark, in Column  
4 (A), of "\$347.12". That results in a shortfall  
5 shown in Column (K) of "\$31.26".

6 Q And then what happens with the -- I'm sorry, go  
7 ahead.

8 A (Therrien) And to complete the exhibit, that  
9 \$31.26 is multiplied times Column (D), which is  
10 the actual number of customers, to yield a  
11 dollar value of "2,233,390", which represents  
12 the shortfall for that class in the winter  
13 period.

14 Q And because, again, we're dealing with the  
15 Residential Heating class, and we were just  
16 talking about the winter, is it safe to  
17 conclude that that shortfall resulted -- a  
18 large portion of that shortfall resulted from  
19 warmer-than-normal weather?

20 A (Therrien) A large portion of it, yes.

21 Q And do you know how much?

22 A (Therrien) Well, we could look at the -- it is  
23 a number that can be calculated. I'm not sure  
24 if it's in the record. But, as you stated

[WITNESS PANEL: Therrien|Johnson]

1 before, the data is available in order to  
2 calculate the weather impact of warmer or  
3 colder-than-normal weather.

4 Q Okay. No, that's fine. I think your answer  
5 that it was "largely based on  
6 warmer-than-normal weather" is sufficient.

7 So, if we could jump to Page 345, and I  
8 don't want to take too much time on this, but  
9 could you explain what's on Page 345 then? And  
10 I believe it's the same as 343, but it's a  
11 different year, correct?

12 A (Therrien) That's correct. Instead of it being  
13 2011 and 2012, it is the Summer of '13 and the  
14 Winter of 2013-2014. The exhibit is exactly  
15 the same. Again, using the Residential Heating  
16 class, and comparing the two sheets, Page 343  
17 and 345, you'll see that the target revenue per  
18 customer is identical. So, again, the target  
19 is the target. It's established in the case,  
20 and it never changes until the next rate case.

21 However, in 2013, we had different  
22 revenues and sales than we did in 2012, and it  
23 was also different than the target.

24 If I may continue, using the Residential

[WITNESS PANEL: Therrien|Johnson]

1 Heating example, in the summer, the actual  
2 summer data revenue per customer was "\$180.93",  
3 which represented a "\$4.03" shortfall. In the  
4 wintertime, the actual revenue per customer was  
5 "\$367.19", which represented a "\$20.07" surplus  
6 per customer, or "\$1,469,303" surplus.

7 Q And this, I believe, was the winter that  
8 everyone refers to as the "polar vortex  
9 winter". Is that correct?

10 A (Therrien) Clearly, the weather was colder than  
11 normal. I believe it was one of -- one, if not  
12 the polar vortex winters.

13 Q Sure. Now, again, understanding this is not  
14 the Settlement, this was your proposal. What  
15 would have happened under your proposal with  
16 this \$3,479,000 surplus that shows in the  
17 bottom right-hand corner of this sheet?

18 A (Therrien) There's an exhibit that shows what  
19 would happen there. Let me see if I can find  
20 it easily for you.

21 So, if you move to Bates Page 327, there's  
22 a table that shows the same values that we  
23 talked about. So, you could tie back that, if  
24 you look at the "Winter 2013-2014", somewhat in

[WITNESS PANEL: Therrien|Johnson]

1 the middle of the table, for class "R-3, R-4",  
2 you'll see that "negative 1,469,303" is the  
3 same number.

4 So, the way that this works is that we  
5 have accruals in one year, and then it's billed  
6 out the next, the next year. So, summer lines  
7 up with summer and winter lines up with winter.  
8 So, for purposes of an example, I'll use the  
9 "Winter 2013-2014", total value of "negative  
10 3,479,131". That would be returned to  
11 customers through a rate over the Winter of  
12 2014-2015.

13 Now, under the Company's original  
14 proposal, both the amount of the credit or  
15 amount of a charge, you look back at the Winter  
16 of 2011-2012, it would have been a charge of  
17 "3,969,815". Those would be mitigated by a  
18 5 percent cap. So, to the extent that these  
19 dollars exceed that cap, that amount would be  
20 deferred, and added to that next appropriate  
21 winter or summer period's accrual, which would  
22 then result in a new rate the following year.

23 So, the idea behind this is to go through  
24 an entire season, come up with the decoupling

[WITNESS PANEL: Therrien|Johnson]

1 amount, and then charge a return of that dollar  
2 amount in the subsequent matching season,  
3 subject to a plus or minus 5 percent limit.

4 Q And now, if we could, again, just using these  
5 numbers that you have on 327, explain under the  
6 Settlement proposal how that, again, I'll use  
7 the Winter 2013-2014, roughly \$3 million --  
8 three and a half million dollar surplus, how  
9 would that surplus be treated under the  
10 Settlement mechanism?

11 A (Therrien) The weather portion of that amount  
12 would be included in customers' bills  
13 throughout the Winter 2013-2014 season. So,  
14 effectively, the majority of that money would  
15 be credited to customers on a real-time basis  
16 on their bills. The residual, that is not  
17 related to weather, which I haven't quantified,  
18 but, for discussion purposes, let's say it's  
19 \$479,131. That smaller amount would then be --  
20 it's accrued and held, and turned into a  
21 billing determinant, and billed that following  
22 Winter Period of 2014-2015.

23 So, the concept of accruing, and then  
24 billing a year later, it survives in the

[WITNESS PANEL: Therrien|Johnson]

1 Settlement, understanding that the majority of  
2 the variance, which is attributable to weather,  
3 has already been billed.

4 So, therefore, in comparing the Company's  
5 original proposal to the Settlement. The  
6 decoupling rate will be much smaller.

7 Q I was with you until the very last phrase. You  
8 said "the decoupling rate will be much  
9 smaller". What did you mean by that?

10 A (Therrien) Well, under the Company's proposal,  
11 the rate would have been, for the Winter of  
12 2013 and '14 accrual, which would have been  
13 billed out in the Winter of '14 and '15, it  
14 would have been the 3,479,131, divided by some  
15 level of sales, okay, the allowed sales in the  
16 instant case.

17 Under the Settlement Agreement, because  
18 the weather portion of this variance has  
19 already been billed real-time on customers'  
20 bills, and the only portion that has yet to be  
21 returned to customers is 491,000, that would  
22 yield a smaller rate.

23 A (Johnson) I think you meant to say "479,000".

24 A (Therrien) Oh, I'm sorry. Correct.

[WITNESS PANEL: Therrien|Johnson]

1 Q But that was just a made-up number you made for  
2 example purposes?

3 A (Johnson) Right.

4 A (Therrien) Correct.

5 Q And that's intended to, again, it's made up,  
6 but it's intended to represent the non-weather  
7 component of decoupling?

8 A (Therrien) That's correct.

9 Q Okay. So, then, with the larger piece, and if  
10 you're saying "479,131", now I see where you  
11 got the number, so, the residual you're saying,  
12 hypothetically, 3 million is weather-related.  
13 How does that get, under the Settlement, how  
14 does that get returned to customers?

15 A (Therrien) That gets returned to customers  
16 through a new line item on their bill that --

17 A (Johnson) Hold on. Did you ask about the  
18 3 million or the other number? Which one are  
19 you asking about?

20 Q I asked about the -- well, again, I'm going to  
21 go back to Bates 327, and we're talking about  
22 the Winter of 2013-2014. And due to the cold  
23 weather, in large part, there was a surplus of  
24 "3,479,131". And Mr. Therrien just described

[WITNESS PANEL: Therrien|Johnson]

1 what would happen to the "479,131", --

2 A (Johnson) Exactly.

3 Q -- leaving \$3 million left over as  
4 weather-related. And my question was "how  
5 would that \$3 million get returned to  
6 customers?"

7 A (Johnson) It doesn't need to return, because it  
8 was never received from in the first place.

9 Q Okay.

10 A (Johnson) The bills were correctly calculated  
11 in each billing cycle. So, there was no need  
12 to overcharge them initially, and then give  
13 them the money back a year later.

14 Q So, there was no rate -- Mr. Therrien started  
15 to talk about a rate on the customer's bill  
16 that they would see. There is no rate, is  
17 that -- maybe you could explain that for us.

18 A (Johnson) Effectively, correct. In other  
19 words, the billed amount is stabilized based on  
20 normal weather. They don't get overbilled due  
21 to the polar vortex, and then need to give them  
22 a -- have a complicated accounting accrual and  
23 give them the money back a year later. All  
24 that goes away, because the Settlement adopts

[WITNESS PANEL: Therrien|Johnson]

1 OCA's recommendation to change the handling of  
2 weather, to avoid billing the customers too  
3 much in the first place. So, there's no need  
4 to refund the money a year later, because you  
5 never bill it in the first place. The original  
6 bill is basically consistent with normal  
7 weather.

8 Q And I think I heard testimony this morning say  
9 that there would be an adjustment on the bill  
10 to account for this hypothetical \$3 million  
11 we're talking about. Did I hear that right?

12 A (Johnson) Well, I think the bill is calculated  
13 in a way to avoid overcharging them. I don't  
14 think -- the word "adjustment" didn't mean to  
15 imply there necessarily would be a line item.  
16 I don't believe there will be a line item, *per*  
17 *se*, nor one needed. The actual billed amount  
18 for the delivery element will reflect normal  
19 therms, rather than the extremely high therms  
20 that the commodity portion of the bill  
21 reflects.

22 Q Okay. So, again, we're only talking about the  
23 delivery portion. So, as I understand it, I  
24 don't have a bill in front of me, but a typical

[WITNESS PANEL: Therrien|Johnson]

1 residential customer would see a customer  
2 charge and maybe two volumetric charges, is  
3 that true?

4 A (Johnson) Well, I think they already see  
5 various elements on their bill. And there's  
6 typically some disclosure of the difference  
7 between "delivery" and the "commodity". But  
8 I'm definitely not the one to talk about  
9 precisely how the billing is being handled or  
10 will be handled.

11 Q Okay. All I'm trying to ask is --

12 CHAIRMAN HONIGBERG: Mr. Dexter, I'm  
13 going to -- you are doing something that I was  
14 hoping to be able to do. And you don't have a  
15 bill in front of you and I don't have a bill in  
16 front of me. I'm going to suggest, since it's  
17 time to take a break anyway, that someone with  
18 access to excellent technology come up with a  
19 sample bill, so that these witnesses, if  
20 they're the correct witnesses, or somebody  
21 else, can walk us all through what one of these  
22 bills would look like under the Settlement.

23 Would that be -- I know it would be  
24 helpful to me, Mr. Dexter.

[WITNESS PANEL: Therrien|Johnson]

1 MR. DEXTER: It would.

2 CHAIRMAN HONIGBERG: And I think,  
3 given the questions you're asking, it would be  
4 helpful to you as well.

5 MR. DEXTER: I think it would, yes.

6 CHAIRMAN HONIGBERG: All right. So,  
7 I think, let's take our lunch break now, and  
8 we'll try to come back at 1:45.

9 *(Whereupon the lunch recess was*  
10 *taken at 12:40 p.m. and ends the*  
11 *Morning Session of Day 5. The*  
12 *hearing continues under separate*  
13 *cover in the transcript noted as*  
14 **"DAY 5 Afternoon Session ONLY".)**

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