STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DE 11-250

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INVESTIGATION OF SCRUBBER COSTS AND RECOVERY

DEPOSITION OF GARY LONG

This deposition was taken pursuant to Order No. 25,566, an Order Compelling Deposition, and held at the Offices of Orr & Reno, 45 South Main Street, Concord, New Hampshire, on September 16, 2013, commencing at 9:02 a.m.

PRESIDING: Anne Ross N.H. Public Utilities Commission

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13	Catherine Corkery, Sierra Club Steve Mullen, PUC
14	
15	Court Reporter: Susan J. Robidas, LCR/RPR Licensed Shorthand Court Reporter
16	Registered Professional Reporter N.H. LCR No. 44 (RSA 310-A:173)
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1	MS. ROSS: Well, my name is
2	Anne Ross. I'm general counsel with the
3	Public Utilities Commission. The Commission
4	has asked me just to preside today over the
5	deposition. Just let me go over a few of
6	our the scheduling and ground rule.
7	The schedule will be that
8	we'll run this in four sessions. At this
9	point, we have a 9:00 to 10:45 session, with
10	a break for about 15 minutes; and then we'll
11	have an 11:00 to 12:45 session, with an hour
12	for lunch. Then we'll come back at 1:45 and
13	run to 3:30, and then we'll have a 15-minute
14	break, and we'll run from 3:45 to 5:30. And
15	if we're running ahead of schedule, I'll
16	we may vary that schedule slightly.
17	The deposition today is open
18	to parties and their counsel. So the next
19	thing that I'd like to do is go around the
20	room and have you introduce yourselves.
21	Speak clearly for our court reporter and
22	indicate what party you're representing or
23	affiliated with. And we can begin at the
24	head of the table and then run this way.

7

1 MS. GOLDWASSER: My name is Rachel Goldwasser. I'm from the law firm of 2 Orr & Reno, and I'm here on behalf of 3 4 TransCanada. 5 MR. PATCH: Doug Patch, Orr & Reno, on behalf of TransCanada. 6 7 MR. HACHEY: Mike Hachey, and 8 I work for TransCanada Power. MS. O'DEA: Erin O'Dea, 9 counsel for TransCanada. 10 11 MR. KAPALA: Good morning. 12 I'm Cleve Kapala from TransCanada. 13 MS. FRIGNOCA: Ivy Frignoca, Conservation Law Foundation. 14 15 MR. PERESS: Jonathan Peress, 16 Conservation Law Foundation. 17 MR. CHUNG: Eric Chung, with 18 PSNH. 19 MS. TILLOTSON: Lynn 20 Tillotson, PSNH. 21 MS. TEBBETTS: Heather 22 Tebbetts of PSNH. 23 MR. FABISH: Zack Fabish, Sierra Club. 24

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1 MR. ALLMENDINGER: Jim Allmendinger, Sierra Club. 2 MS. CORKERY: Catherine 3 Corkery, New Hampshire Sierra Club. 4 5 MS. CHAMBERLIN: Susan Chamberlin, Office of the Consumer Advocate. 6 7 MR. SHEEHAN: Mike Sheehan, New Hampshire PUC. 8 9 MS. AMIDON: Suzanne Amidon, New Hampshire PUC. 10 11 MR. MULLEN: Steve Mullen, New 12 Hampshire PUC. MR. BERSAK: I'm Robert 13 14 Bersak, Associate General Counsel for Public 15 Service Company of New Hampshire. 16 MR. NEEDLEMAN: And I'm Barry 17 Needleman, McLane, Graf, Raulerson & Middleton, representing PSNH. 18 19 MS. ROSS: All right. As we 20 discussed, we have a few basic ground rules. 21 Confidentiality is the first issue I wanted 22 to touch on. Are there any parties in this 23 room who have not signed a non-disclosure 24 agreement with PSNH?

1 MR. FABISH: We're working on 2 it right now. There are a lot of blanks to be filled out. 3 MS. ROSS: Okay. Before we 4 5 hit any confidential materials, that would need to be finalized, or else you would not 6 7 be able to sit through the discussion. So... 8 MR. BERSAK: Do you want 9 the --(Court Reporter interjects.) 10 11 MR. PATCH: Well, counsel for 12 TransCanada signed a non-disclosure 13 agreement. 14 MS. ROSS: Okay. 15 MS. GOLDWASSER: And I believe 16 the non-disclosure agreement indicates 17 that -- and we could check -- subject to check, that it is for the party, not just for 18 the individual counsel. 19 20 MS. ROSS: Okay. And Mr. 21 Bersak, is --22 MR. BERSAK: I'm trying to 23 remember procedure. I haven't been the one 24 monitoring, but --

1 (Court Reporter interjects.) 2 MR. BERSAK: I'm sorry. Ι think we've been having anybody who has 3 access to confidential materials sign one of 4 5 the non-disclosure agreements. That's been the practice that we've had up to now. 6 So 7 we've got them available if people want to 8 sign. 9 MS. ROSS: You want to give out a few copies now and we'll get started, 10 11 and hopefully we won't --MR. BERSAK: I'll have Heather 12 do that. 13 14 MS. ROSS: Okay. Thank you. 15 MS. TEBBETTS: Who needs them? 16 Anyone who hasn't MS. ROSS: 17 signed one probably should. MS. TEBBETTS: 18 Is there 19 anybody here who hasn't signed one, other 20 than Zack? 21 MR. PATCH: Well, counsel for 22 TransCanada signed it, so --23 MS. ROSS: Is that adequate, 24 Mr. Bersak, or do you need additional

	11
1	signatures from TransCanada?
2	MR. BERSAK: That's fine.
3	MS. ROSS: Okay.
4	MR. FABISH: So if I have
5	signed on behalf of Sierra Club, is that
6	okay?
7	MR. BERSAK: As long as
8	everybody's aware of the requirements and the
9	terms of the NDA, that'll be fine.
10	MS. ROSS: And obviously, we
11	haven't invited press to this. This is not a
12	public hearing. The Commission is not
13	conducting this at the Commission offices for
14	that reason. It's a private deposition. So
15	I would appreciate people not running out
16	later and having chats with the press about
17	the contents. I'd appreciate it.
18	All right. Let's get started.
19	The first segment will begin with swearing in
20	the witness, and the first questioner is
21	Attorney Doug Patch, on behalf of
22	TransCanada.
23	
24	

		1:
1		GARY LONG, being first duly sworn by
2		the Court Reporter, deposes and states as
3		follows:
4		EXAMINATION
5	BY N	IR. PATCH:
6	Q.	Good morning.
7	A.	Good morning.
8	Q.	I'm going to ask you some questions. If you
9		don't understand the question, please ask me
10		to repeat it or rephrase it, and I'd be happy
11		to do so. Does that sound fair?
12	A.	Yes.
13	Q.	Please state your name for the record.
14	A.	Gary Long.
15	Q.	And your current position?
16	A.	President, New Hampshire Renewable Energy
17		Policy Development.
18	Q.	And your educational background?
19	A.	Undergraduate degree, bachelor of science in
20		electrical engineering from New Mexico State
21		University, master of science in electrical
22		engineering from Northeastern University.
23		(Discussion off the record.)
24	BY N	IR. PATCH:
		SUISAN T PORTNAS N H LOP/POP

1	Q.	And how long have you been employed by PSNH?
2	Α.	Over 37 years.
3	Q.	And what positions did you hold?
4	A.	Several. The entry-level position was
5		assistant engineer, and the last position
6		held with Public Service Company was
7		president and chief operating officer.
8	Q.	And for how long did you hold that position?
9	Α.	Around 13 years.
10	Q.	From when to when, roughly?
11	Α.	Roughly, July 1st, 2000, to August 1st of
12		this year.
13	Q.	And could you describe your responsibilities
14		as president of PSNH.
15	Α.	General management responsibilities,
16		functions directly under my supervision,
17		changed several times over the course of that
18		13 years.
19	Q.	Did those responsibilities include being
20		conversant in what was happening in financial
21		markets and spot price markets?
22	Α.	We have a chief financial officer at
23		Northeast Utilities that provided services to
24		PSNH and other NU affiliates. So I would say

		14
1		their focus was to provide services to us in
2		that area.
3	Q.	So I guess the answer is no, your
4		responsibilities did not include that?
5	Α.	Well, you asked about financial, and then you
6		said spot markets. I'm not sure which spot
7		markets you're talking about. Lots of spot
8		markets out there.
9	Q.	Okay. Electricity? Price of electricity.
10	Α.	I had some familiarity. I don't track it day
11		to day.
12	Q.	How frequently would you track
13	A.	As needed.
14	Q.	So in the time frame, say summer of '08 to
15		spring of '09, how frequently would you have
16		tracked it?
17	Α.	There was no schedule. It was not a daily
18		occurrence. I did not manage the daily
19		bidding, for instance, of power generation,
20		nor did I participate in daily markets. So
21		it's it was as needed.
22	Q.	Did your responsibilities as president of
23		PSNH include promoting, opposing or
24		influencing legislation?

			15
1	А.	Yes.	
2	Q.	Who within PSNH reported to you as president?	
3		Basically all employees of PSNH?	
4	A.	No.	
5	Q.	No?	
6	A.	No, not all employees.	
7	Q.	Okay. Could you describe who?	
8	Α.	Well, as I said, it changes from time to	
9		time.	
10	Q.	Let's talk about '08-'09, in that time frame.	
11	Α.	Again, it may have changed during that time	
12		frame. Generally speaking, generation	
13		reported to me; what we call customer	
14		operations, which is the operation of	
15		electrical system, reported to me; something	
16		we call energy delivery, which is	
17		predominantly engineering, reported to me;	
18		other functions many other functions	
19		reported up through our service company,	
20		called Northeast Utilities Service Company.	
21	Q.	So what portions of PSNH did not report to	
22		you?	
23	Α.	The regulatory might be one example. I don't	
24		remember which employees might have been	
L		SUSAN J. ROBIDAS, N.H. LCR/RPR	

		10
1		called PSNH and which may have been called
2		Northeast Utilities Service Company
3		employees. But there were PSNH employees
4		could have been customer service employees,
5		but they didn't report to me. Meter readers
6		at various times did not report to me; they
7		would have been PSNH employees.
8	Q.	So, for example, Bill Smagula, did he report
9		to you?
10	Α.	Yes.
11	Q.	And Lynn Tillotson, did she report to you?
12	Α.	Not directly. Neither did Bill report to me
13		directly during that time period.
14	Q.	So they reported to somebody else who
15		reported to you?
16	A.	Yes.
17	Q.	John MacDonald?
18	Α.	Yes.
19	Q.	How about NU employees? For example: I've
20		seen the name Cameron Bready listed on the
21		presentation you made in the summer of '08 to
22		the Board of Trustees. Did he report to you?
23	A.	No.
24	Q.	What was the relationship, in terms of the
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1		corporate structure, between you and him?
2	A.	We were both officers of Northeast Utilities.
3		I was an officer of Public Service Company, a
4		wholly-owned subsidiary of Northeast
5		Utilities. He was an officer of Northeast
6		Utilities Service Company, reporting up to
7		the CFO.
8	Q.	So you didn't report to him, and he didn't
9		report to you.
10	Α.	Correct.
11	Q.	How about Jim Vancho?
12	Α.	Yeah, he didn't report to me, either.
13	Q.	And you didn't report to him.
14	Α.	No.
15	Q.	How would you describe your management style?
16		Do you consider yourself to be a hands-on
17		administrator, or one who likes to delegate
18		to others?
19	Α.	It depends on the circumstances. Generally,
20		I depend on the team. I prefer to delegate
21		and operate as a team.
22	Q.	And can you explain to me what the Risk and
23		Capital Committee of NU is?
24	Α.	It's a part of the Northeast Utilities

		18
1		financial governance process. It's a I
2		guess its simple purpose, in my words, is to
3		approve capital projects and to oversee
4		progress of major projects.
5	Q.	What about the board of trustees of NU?
6	Α.	Typical of board of directors' role for any
7		corporation.
8	Q.	And so did that involve also approving
9		capital projects?
10	A.	Only those who were which were in excess
11		of 50 million.
12	Q.	So the Risk and Capital Committee was
13		anything, but the board of trustees was only
14		those that are over 50 million?
15	Α.	Not quite. Not every project had to go
16		before the Risk and Capital Committee. Just
17		some. But any of those that were over
18		50 million, in addition to needing the CEO
19		approval, the CEO needed to go through the
20		board of trustees of the project.
21	Q.	And so what was your relationship with each
22		of those, with the Risk and Capital Committee
23		and the board of trustees?
24	Α.	I'm not a member of either.

1	Q.	But they had authority over decisions that
2		you had to make or that you would make with
3		regard to capital projects.
4	A.	As I stated, their role was to approve
5		capital spending above a certain limit and to
6		oversee progress of major projects.
7	Q.	What obligations did you consider that you
8		had to them?
9	Α.	Obligations? We needed to comply with our
10		internal governance process.
11	Q.	And so are there protocols in your internal
12		governance process that would spell out, when
13		you were looking to get approval of a capital
14		project, exactly what you had to present to
15		them or what the standards were they would
16		use to review that?
17	Α.	The exact material to present was
18		project-dependent. The process usually
19		started with a conceptual phase and would
20		proceed to a final stage, and then once
21		approved, it would consist of providing
22		update reports to the Risk and Capital
23		Committee.
24	Q.	So, for example, when the Risk and Capital

20

1		Committee approved the scrubber project at
2		the end of June of 2008, you were required to
3		do update reports to them subsequent to that?
4	A.	I wouldn't say that they approved the
5		scrubber project. The scrubber project was
6		mandated by the State of New Hampshire.
7		Their role was to approve our capital
8		spending to comply with that mandate.
9	Q.	Okay. But the update reports subsequent to
10		that approval, how frequently did you do
11		those?
12	А.	Again, approval of the spending?
13	Q.	Yes.
14	Α.	I don't know the exact schedule. At least
15		once a year. More often if necessary.
16	Q.	And were those done in writing?
17	Α.	Yes. Usually a presentation. Usually an
18		oral presentation, perhaps accompanied by
19		PowerPoint material.
20	Q.	And minutes were typically kept of those
21		meetings?
22	Α.	Minutes of the action of the RaCC were kept,
23		yes.
24		MR. PATCH: I'd like to make a
		SUSAN J. ROBIDAS, N.H. LCR/RPR

1	request, to the extent PSNH has not already
2	provided any of those updates or minutes of
3	those minutes, that they be provided.
4	MR. BERSAK: I'd ask the
5	hearings examiner what we're going to be
6	asked
7	(Court Reporter interjects.)
8	MR. BERSAK: My question to
9	the hearings examiner is whether this
10	deposition is going to go beyond the
11	questioning of Gary Long or be a continuation
12	of discovery for other documents.
13	MS. ROSS: I think what I
14	would suggest we do is we note these requests
15	on the record. As part of my report, I'll
16	either recommend that the Company produce the
17	information or not, and then the Commission
18	can decide whether it wants to have this be
19	additional discovery. Is that fair for the
20	parties?
21	MR. PATCH: That's fair.
22	MS. ROSS: Okay. So we'll
23	note the request. It will be in your
24	transcript. So we'll see the actual request
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			22
1		in the transcript.	
2	BY M	IR. LONG:	
3	Q.	Mr. Long, could you describe what you	
4		consider to be your obligations to	
5		shareholders?	
6	Α.	My obligation? As an officer of the company,	
7		I have fiduciary responsibilities to, I would	-
8		say, provide for investment security and fair	
9		return.	
10	Q.	And what about to ratepayers?	
11	Α.	Similar. You know, I've always felt my job	
12		was to make to satisfy both needs and the	
13		needs of customers, to provide reliable	
14		electricity at a reasonable cost.	
15	Q.	And how would you balance those obligations?	
16		In your mind, do they ever come into	
17		conflict?	
18	A.	Did they ever in my 37 years come into	
19		conflict?	
20	Q.	Mostly when you were president of PSNH.	
21	Α.	Well, I think	
22	Q.	I just want some understanding of how you	
23		balance those two obligations.	
24	A.	My philosophy was always you have to satisfy	
		SUSAN J. ROBIDAS, N.H. LCR/RPR	

1		both, and you if either was not satisfied,
2		you couldn't really go forward.
3	Q.	With regard to the scrubber project, what
4		would you describe as the critical points in
5		PSNH's decision to proceed with the scrubber
6		project?
7	Α.	Well, decided to proceed I think as soon
8		as the mandate was established and the law
9		was enacted, that was obviously critical,
10		because at that point we were thrown into a
11		compliance mode. And we obviously had to
12		comply with that law. So I would say that
13		was a critical obviously, the most
14		critical event was the state deciding and
15		ordering us and mandating to us that we
16		install the scrubber. So that put us in a
17		compliance mode.
18	Q.	Would you consider a critical point to be
19		your decision as to whether or not to support
20		legislation?
21		MR. NEEDLEMAN: Objection. I
22		think that's beyond the scope of the
23		deposition.
24		MS. ROSS: I'll sustain that
		SUSAN J. ROBIDAS, N.H. LCR/RPR

24 1 objection. 2 BY MR. PATCH: 3 Well, okay. So you're saying the only Q. 4 critical point with regard to PSNH's -- well, 5 let me go back then to --MR. PATCH: 6 Could we get the 7 letter, the September 2nd letter from Mr. Long to the PUC in 08-103. 8 BY MR. PATCH: 9 And I think there's a place in that letter 10 0. 11 where you said that PSNH crafted the 12 legislation. So I guess I would like to know whether, in fact, that was the case. 13 Seems 14 to me that it's relevant from a discovery 15 perspective, which is supposed to be a 16 liberal standard, as to whether or not that 17 was a critical point in PSNH's decision to proceed with the scrubber. 18 19 MR. NEEDLEMAN: I'm going to 20 object --21 MR. PATCH: In the 22 September 2nd letter to the Commission in the 23 08-103 docket, Mr. Long took credit for 24 crafting and then also spearheading the

1	legislation. And so what I'm trying to get
2	at is what the thought process was of PSNH at
3	critical points in the decision-making
4	process. Seems to me that's one of the
5	critical points. They had to decide whether
6	or not they were going to whether or not
7	they were going to support the legislation
8	that they, in fact, had drafted.
9	MR. NEEDLEMAN: I'll object
10	again. Regardless of anything that may be
11	contained in that letter, the Commission was
12	explicit in its order with respect to this
13	deposition, that things like that were beyond
14	the scope and not relevant.
15	MR. PATCH: Well, I'd just
16	like to state, I don't think the Commission
17	was explicit in that way at all. In fact, if
18	you look back over the Commission's orders
19	with regard to motions to compel in this
20	docket, they've allowed a number of inquiries
21	with regard to things that were said to the
22	legislature and various aspects of
23	presentations to the legislature. So I don't
24	think that's correct at all.

1	MS. ROSS: I think what I
2	would allow in framing the question this way,
3	is what was the Company's understanding of
4	the process of the installation of that
5	particular environmental compliance element,
6	which is the scrubber. I think it's fair to
7	ask the Company what it knew and what it
8	thought at that point in time, not I don't
9	believe it's appropriate to ask the Company
10	why it may or may not whether it attempted
11	to support or oppose the legislation, that
12	clearly the Commission has said is off
13	limits. But if you can phrase your question
14	to get to the Company's knowledge about the
15	installation at that time, I'll allow that
16	inquiry.
17	BY MR. PATCH:
18	Q. Okay. Then my question, Mr. Long, is with
19	regard to the pre-2006 legislative session
20	and the Company's decision to proceed with
21	supporting the legislation that was the
22	subject that with the scrubber project.
23	I'm not trying to find out what you did in
24	the legislative session. I'm trying to find

1		out something about the Company's thinking
2		with regard to the project back then.
3	Α.	Yeah. At that time frame that you're
4		referring to, there was an existing law we
5		sometimes refer to it as the "Four Pollutant
6		Law"
7		(Court Reporter interjects.)
8	Α.	Sometimes referred to as the "Clean Power
9		Act." And there was an obligation by, I
10		would say the state and PSNH, to resolve the
11		matter of how to reduce mercury emissions
12		from our power plants. So it was an
13		unresolved because nobody knew how to do
14		it at the time. So we had an obligation to
15		work out with other parties, in we felt a
16		collaborative and cooperative way, how to
17		comply with that part of the existing law.
18		And that led to cooperation and discussions,
19		lengthy discussions, and tests and a whole
20		history of trying to figure out how to reduce
21		mercury. And that ultimately manifested
22		itself in the 2006 law.
23	Q.	So what were the factors that you considered
24		in deciding with regard to the scrubber? I

		20
1		mean, economic factors? You know, ability to
2		comply? I mean, what were the factors that
3		you considered when you were trying to decide
4		how to proceed with you know, with the
5		consideration of that project?
6	Α.	Clearly, trying to meet the requirements of
7		the state, to try to meet the intent of the
8		law, which was to reduce mercury. The
9		methods and means were not known. So, to
10		determine what would be the proper methods,
11		what methods could work to achieve the goal
12		that the state wanted to achieve. So,
13		technical feasibility was a part of that.
14	Q.	Economics?
15	Α.	Yes. Economics are, I would say, part of
16		everything we do.
17	Q.	Impacts on customers?
18	Α.	Yes.
19	Q.	Return to shareholders?
20	Α.	Well, not it wouldn't be on the list. If
21		you could achieve the reductions through
22		operations which wouldn't involve any
23		investment by investors. So, no, that wasn't
24		a criteria.

1	Q.	So you figured you couldn't achieve without
2		any capital additions?
3	A.	We didn't know. That was part of the
4		process. We tried carbon injection and
5		other, you know, techniques that required
6		much smaller amounts of investment than a
7		scrubber. So we obviously were interested in
8		whatever worked best.
9	Q.	At some point it became clear that a capital
10		addition was required, though; correct?
11	Α.	Well, there were small capital additions that
12		may have been required for carbon injection.
13		But it wasn't until, you know, the scrubber
14		idea came about that it was obviously, the
15		scrubber requires capital investment.
16	Q.	And so I guess what I'm trying to get at is,
17		when the decision was made with regard to the
18		scrubber, what were the factors that you
19		considered?
20	Α.	Same.
21	Q.	Same. So, return to shareholders was not a
22		factor then
23	Α.	No, no
24	Q.	even though it was a capital project?
I		SUSAN T POBIDAS NH LCP/PPP

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1	Α.	What would be of concern would be cost
2		recovery and a fair return to investors. But
3		we it wasn't a project that investors had
4		asked for; it was a project that the state
5		had mandated. So it wasn't viewed as
6		obviously, it was a large investment. But
7		that wasn't our objective. Our objective was
8		to reduce mercury.
9	Q.	And so mandated in 2006 or mandated prior to
10		2006?
11	A.	Well, 2006 is when the law was passed that
12		mandated the installation.
13	Q.	So there was no mandate before that. That's
14		the mandate you're talking about.
15	Α.	Yes. Well, there was a goal, I would say,
16		probably the best way of saying it. There
17		was a goal and a desire for the parties to
18		work out how to reduce mercury. And as I
19		said, that manifested itself in that mandate
20		getting passed in 2006.
21	Q.	It was a mandate you supported; correct?
22	Α.	Yes, as did many others. It was a
23		collaborative effort. It wasn't unilateral.
24	Q.	And I asked about critical points in the
I		SUSAN J. ROBIDAS, N.H. LCR/RPR

1		decision to proceed with the scrubber, and we
2		talked about 2006. How about after that law
3		passed? And I think the effective date of
4		that was June, June 8th of 2008 [sic], you
5		know, subject to check. Or I'd be happy to
6		show you, I think, a copy of the statute that
7		shows that.
8		MR. BERSAK: I believe you
9		said 2008. I think it was effective in 2006.
10		MR. PATCH: I'm sorry. You're
11		correct. June 8th of 2006.
12	BY M	R. PATCH:
13	Q.	So, assume for a minute that that was the
14		effective date. Were there any critical
15		points after that in PSNH's decision to
16		proceed with the scrubber project?
17	A.	Well, once the law was passed, the decision
18		was made by the state, at that point our role
19		was to comply with the mandate. And part of
20		that mandate was to reduce mercury emissions
21		as soon as possible. And that was very clear
22		to us by the way law was written that, and
23		the discussions, that we were in a compliance
24		mode. And so our whole focus was to do

		32
1		exactly what the law said: Install the
2		scrubber as soon as possible. So that's
3		that was our focus.
4	Q.	I'd like to try to understand whether you did
5		any economic studies back in that time frame,
6		sort of pre-2006 legislation, to determine
7		whether or not it made sense for you to
8		support that. Do you recall doing any
9		economic studies?
10	Α.	I personally didn't do any economic studies.
11	Q.	There is I guess I'd like to show you a
12		response to TC-2-3 TC standing for
13		TransCanada.
14		(Long Deposition Exhibits 1 and 2
15		marked for identification.)
16	BY M	R. PATCH:
17	Q.	This is a response to a data request. At the
18		upper right-hand corner it says June 18,
19		2012, TC-2, and then it says Q-TC-003. And
20		on Page 37, there was a request to provide
21		any and all documents that PSNH or any of its
22		employees, et cetera, had provided to any
23		legislator or state officials. And on
24		Page 37 of that, there is a Page 37 being

1		in the upper right-hand corner, the
2		numbering there is a letter that you wrote
3		back then, and there is a reference in that
4		letter about the 2005 legislation, where you
5		had argued that it could add hundreds of
6		millions of dollars to PSNH's energy
7		production costs.
8		And I guess what I would like to know
9		is, what changed between 2005 and 2006 that
10		led you to take a different view of the
11		legislation?
12	Α.	You're referring to two different
13		legislation, if I can it looks like.
14	Q.	That's right. I am.
15	Α.	Yeah. So this is a different bill than the
16		one that passed.
17	Q.	That's right.
18	A.	And there were concerns with the bill as
19		drafted, and it never did pass. So this
20		letter, as you call it, talked about the
21		concerns with that proposed legislation which
22		never passed.
23	Q.	All right.
24	Α.	So I

		34
1	Q.	So I guess what I'm trying to find out
2	А.	I mean, I thought we weren't supposed to talk
3		about legislative things, especially things
4		that didn't pass.
5	Q.	Well, no. I think it's important to
6		understand the committee the Company's
7		thinking with regard to the cost of the
8		scrubber project. And in order to get at
9		that, I'm asking you what changed between
10		2005 and 2006. Why did you support
11	Α.	This particular bill wasn't feasible, wasn't
12		technically possible to do.
13	Q.	Okay. Well, that's what I'm trying to
14		understand, is what the difference was.
15	A.	I don't remember, you know, all the details
16		of it, other than it had time lines that
17		could not be met.
18	Q.	Okay. And cost to ratepayers? Obviously,
19		that was a consideration that you put in this
20		letter that we just cited.
21	Α.	Well, that goes with not being able to do it
22		in the time frame that was being proposed.
23		So if you look at the time frame, there's
24		significant costs. And it's not cost of the

1		scrubber. It's all forms of costs, including
2		not being able to generate power. I mean,
3		it's not it's a different situation
4		altogether.
5	Q.	And in terms of impacts to ratepayers,
6		different
7	Α.	Oh, yes. Much, much more substantial and
8		far-reaching. It's really it's a scenario
9		where you can't comply with the law, as
10		opposed to a law that was passed that we
11		could comply. This one, it's just like night
12		and day.
13	Q.	When you first became aware that the cost of
14		the project would exceed \$250 million, when
15		was that when you first became of that?
16	Α.	I believe it was somewhere in 2008.
17	Q.	What did you understand to be the reasons
18		that the cost of the project had increased
19		from the original estimate of a not-to-exceed
20		number of \$250 million to \$457 million?
21	Α.	Well, we have I know it's in the data
22		requests you've already asked for. We have
23		several documents that list that answer
24		that question. And I don't know if I can

1		remember them all by heart here, but those
2		documents do exist. But it has to do with
3		site-specific design, has to do with
4		escalating prices during that time in history
5		when there was a lot of installation of
6		scrubbers going on in the country, price
7		escalations, but and finishing getting
8		into more detailed engineering design where
9		you could make more precise and accurate
10		estimates of the costs.
11	Q.	And with the cost increasing or the cost
12		estimate increasing from \$250 to \$457
13		million, would PSNH still get its money back
14		at \$457 million?
15	A.	Yes, so long as we managed the project
16		construction prudently.
17	Q.	How much more would the project or was the
18		project going to make with the estimate of
19		\$457 million, for PSNH or Northeast
20		Utilities, versus \$250 million?
21	Α.	I don't have that number in my mind.
22	Q.	But clearly it was going to make
23		significantly more money in terms of a return
24		on rate base.

1	Α.	Well, make more money because more money
2		would have to be raised and gotten from
3		investors and invested. So, yes, in the
4		normal utility ratemaking, you expect to get
5		a reasonable return on money that you had to
6		raise and invest for the public.
7	Q.	But it's not like PSNH was going to have to
8		spend any more because of that increase;
9		correct any more that would not be
10		recovered from ratepayers.
11	А.	Well, that's what the law says. We get
12		recovery from customers. And, yes, we
13		believe the law.
14	Q.	PSNH told public officials and legislators
15		that the amortization and the investment in
16		the scrubber and the operational costs would
17		be offset by reductions in SO2 allowance
18		purchases that were required by the New
19		Hampshire Clean Power Act. Do you recall
20		that?
21	Α.	Yeah, partially offset.
22	Q.	Well, how about if we take a look at TC-2-3,
23		Page 9. Is that that's the one we already
24		handed out.
l		SUSAN J. ROBIDAS, N.H. LCR/RPR

1		MS. GOLDWASSER: Yeah.
2	BY M	IR. PATCH:
3	Q.	Could you read into the record the second
4		bullet. And maybe we ought to establish,
5		first. On Page 2, it indicates that this is
6		New Hampshire Senate Bill 128 Proposed
7		Amendment. 128 was the 2005 legislation;
8		correct?
9	A.	I don't know.
10	Q.	You don't know? Okay. Well, let's assume
11		for a minute that that's the case. It says
12		proposed amendment, framework, key talking
13		points, October of '05, draft for discussion
14		purposes only. And then on Page 9, the
15		second bullet, could you read what that says.
16		(Witness reviews document.)
17	Α.	Page 9?
18	Q.	Nine in the upper right-hand corner. In the
19		lower right it's eight.
20	Α.	Well, I can't read it. What do you want me
21		to read, the data request number?
22	Q.	No, the second bullet on that page.
23	A.	Oh, starts with "Amortization"?
24	Q.	Yes.

1	Α.	"Amortization of the investment and
2		operational costs will be offset by
3		reductions in CO2 [sic] allowance purchases
4		required by the New Hampshire Clean Power
5		Act." And the response to this whole request
6		says, "PSNH has never claimed that the cost
7		of the scrubber will be fully mitigated by
8		the savings avoided in the purchase of SO2
9		emissions allowances." So as I stated
10		earlier, it's a partial offset.
11	Q.	Okay. Well, the record will speak for itself
12		on that.
13		But when did you first become aware that
14		the SO2 allowance purchases would not offset
15		operational costs?
16	A.	From the very beginning, as I said, it's
17		oh, you said operational costs. Excuse me.
18		I was thinking of total costs.
19		(Court Reporter interjects.)
20	A.	You said operational costs. Clarification.
21		It says, "operational costs." I guess my
22		point is it wouldn't have offset all of the
23		costs of the scrubber.
24	Q.	So I guess, if I understand you correctly,
		SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		you're saying what you suggested with regard
2		to the offset from the beginning turned out
3		to be true; it never changed.
4	Α.	No. SO2 allowance prices change from time to
5		time and have changed over time.
6	Q.	So the degree to which the amortization of
7		the investment in the scrubber and the
8		operational costs would be offset. You would
9		admit that the degree to which it would be
10		offset changed over time and was not as
11		significant as PSNH had originally told
12		public officials it would be. Would you
13		agree with that?
14	Α.	I would agree that the price of SO2
15		allowances have changed. It's declined
16		recently. But it was sort of an extra side
17		benefit of well, a very significant I
18		shouldn't say a side benefit a very
19		significant benefit of the scrubber, which
20		was designed to reduce mercury, that it was
21		looked at very favorably that it would also
22		reduce CO2. So, in the process of reducing
23		mercury, reduce CO2 [sic] in the process of
24		reducing I should say not CO2, SO2 that

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1		it would remove PSNH's obligation to buy SO2	
2		allowances. And that was estimated, and it	
3		changed over time.	
4	Q.	Changed to whose benefit or to whose	
5		detriment?	
6	Α.	Well, either way, customers don't have to pay	
7		it anymore. I mean, the cost I mean, by	
8		not having to buy allowances, customers no	
9		longer are, you know, exposed to the cost of	
10		buying allowances. So it's to customers'	
11		benefit.	
12	Q.	I'd like to direct your attention to the	
13		response to TransCanada 4-9.	
14		(Long Deposition Exhibit 3 marked	
15		for identification.)	
16	Q.	The second page of the response indicates	
17		that this is Merrimack Station Clean Air	
18		Project Strategic Sourcing Plan, dated	
19		June 15 of '07. Do you recall this document?	
20	Α.	I recall the subject. This is not a document	
21		I prepared.	
22	Q.	Okay. Do you know who prepared it?	
23	Α.	No, not for sure. It would probably have	
24		been directed under prepared under the	
	L	SUSAN J. ROBIDAS, N.H. LCR/RPR	

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1		direction of the vice-president, who reported
2		to me, and his team, along with our
3		purchasing department, legal, and perhaps
4		others.
5	Q.	Okay. And who was the vice-president?
6	Α.	John MacDonald.
7	Q.	Okay. And do you recall whether it was
8		presented to you at a meeting or given to you
9		in writing, or do you recall how it was
10		presented?
11	Α.	No.
12	Q.	But you recall seeing it, at least?
13	Α.	No. What I recall is sourcing of equipment
14		and services was a very critical part of the
15		early part of the project to move forward
16		with meeting the mandate.
17	Q.	I'd like to direct your attention to the
18		response to TransCanada 4-10.
19		(Long Deposition Exhibit 4 marked
20		for identification.)
21	Q.	And this is the May 2008 project cost
22		estimate. Now, when I asked you the question
23		before about did you recall when you first
24		became aware that the estimate for the cost

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1		of the project had increased from \$250- to
2		\$457 million, does this help to recall when
3		you first became aware of that?
4	Α.	Well, I don't remember the day. I just
5		remember, you know, it was in 2008. This
6		document, at least the spreadsheet, is dated
7		5/6/08.
8	Q.	So, according to your recollection, is this
9		around the time frame when you became aware
10		of that?
11	A.	Yes.
12	Q.	Was there any time prior to this that you
13		became aware that the cost had increased,
14		that you can recall?
15	Α.	I don't know. You know, if so, it would be
16		probably days or where, you know, a direct
17		report could have said the price is
18		(Court Reporter interjects.)
19	Α.	Yeah, I mean, it could be that I was orally
20		informed that they were having some
21		preliminary results. But it would have been
22		in the same general time frame.
23	Q.	Okay. With regard to the Risk and Capital
24		Committee, when you prepared to make the

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1		presentation to the Committee and I guess
2		I think we need to look at Staff 2-2, you
3		know, which is a copy of the PowerPoint that
4		was used for that presentation. So why don't
5		we mark that first.
6		(Long Deposition Exhibit 5 marked
7		for identification.)
8	Q.	And in the upper right-hand corner, Page 5 of
9		50, the cover page to that presentation,
10		indicates it was made on June 25th of '08;
11		indicates it was made by you, John MacDonald
12		and Jim Vancho. Does that square with your
13		recollection?
14	Α.	Yes.
15	Q.	What were the factors that you took into
16		account when you prepared this presentation?
17	Α.	I don't know how to answer that. The factors
18		in preparing this was to inform the RaCC of
19		the new estimates and the status of the
20		project, and show them the reasons and the
21		rationale and the impact that the mandate
22		would have on customers.
23	Q.	Okay. And you were seeking their approval at
24		this time; correct?

 A. This was yes. We had previously sought approval and gotten it to do some project spending, to hire an engineering construction manager, and do some work that had previously been approved. And then as a result of that work, we now had our, what we call our final estimate, and it was part of the process to present the final estimate. Q. And did the Risk and Capital Committee have the authority to say no to the project? A. No. No, it was a mandate by the state. It wasn't a company decision to make. We our role was to comply. And in doing that, we needed to raise capital, and doing that we needed to have procurement. We needed to understand the impact. But we were in compliance mode, not decision mode. The decisions that we made were regarding
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17 compliance mode, not decision mode. The 18 decisions that we made were regarding
18 decisions that we made were regarding
19 construction and compliance with the mandate,
20 and we tried to do it as soon as possible in
21 accordance with the law.
22 Q. So, then, explain to me again what the role
23 of the RaCC, as you called it, was. It
24 wasn't whether to say yes or no to the

1 project? 2 Α. Well, right. This is a compliance process 3 for us internally. This was not a project decisional process. It was -- you know, as I 4 said earlier, one of the roles of the RaCC is 5 to monitor the process of large projects to 6 7 ensure their success. And they obviously want a lot of information to do that. 8 But 9 this was very unusual and very unique. It's the only project I've ever seen in my career 10 11 where you've been mandated to do that by the It's not the normal way that we 12 state. proceed. And, of course, the RaCC was really 13 14 defined for normal projects, where management 15 has discretion. But management had no discretion on this one. It was already 16 17 mandated. So, regardless of what the cost on the 18 Q. 19 project had escalated to -- let's assume for 20 a minute it had escalated to a billion 21 dollars -- then it was a mandate, and you had 22 no choice. 23 Well --Α. 24 MR. NEEDLEMAN: Objection. Τ SUSAN J. ROBIDAS, N.H. LCR/RPR

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		· · · · · · · · · · · · · · · · · · ·
1		don't think Mr. Long should be required to
2		answer hypotheticals.
3		MR. PATCH: I think it's very
4		relevant to discovery.
5		MS. ROSS: I'll instruct the
6		witness to answer.
7	Α.	Well, that wasn't considered. That number
8		was not considered. We were operating in a
9		compliance mode with the information that we
10		had. And as soon as we had finished doing
11		making progress on our engineering, detailed
12		engineering and procurement processes, then
13		we were in a position to show that internally
14		and to show it externally. And that's what
15		we did. We informed the legislature, the
16		Public utilities Commission and others what
17		this new estimate was. But since it wasn't
18		our decision to go forward, and the
19		legislature had full knowledge of the new
20		estimate, and the law didn't change, so our
21		compliance requirement did not change.
22	BY M	R. PATCH:
23	Q.	When did you give the legislature knowledge
24		of that new estimate?
		SUSAN J. ROBIDAS, N.H. LCR/RPR (603)622-0068 shortrptr@comcast.net

GARY LONG - 9/16/13

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1	Α.	It was in 2008. We had the PUC it was
2		general public knowledge once we provided it.
3		It was also disclosed in our filings with the
4		Securities and Exchange Commission.
5	Q.	But you didn't tell the legislature in June
6		of '08, when you met with the Oversight
7		Committee not you personally, but when
8		PSNH officials did did you?
9	Α.	I don't I wasn't there. I don't know what
10		you're referring to.
11	Q.	There's a response to discovery requests that
12		has a one-page sheet that has that was
13		presented to the Oversight Committee, that
14		has nothing on it about the increase in the
15		cost estimates. So
16	Α.	That doesn't mean there wasn't awareness on
17		that.
18	Q.	Oh, so you're saying you didn't put it on the
19		sheet, but somebody whispered in the
20		legislators' ears? Or what are you saying?
21	Α.	I'm saying that's not the only communications
22		that happens in business is the one that
23		you're looking at. It's not the only
24		communications that happened.

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1	Q.	But that was a statutory requirement, that
2		you keep the Oversight Committee informed;
3		was it not?
4	Α.	But I not to talk to me about what
5		documents. Show me the documents. Show me
6		the people who presented. I don't recall
7		doing that.
8	Q.	Okay. Well, we'll come back to that later, I
9		guess.
10		And what about the role of the board of
11		trustees? Did they have the authority to say
12		no?
13	Α.	Well, do they have the authority? I suppose
14		they could direct management not to work on
15		the project, but then we'd be out of
16		compliance. And there were severe penalties
17		with doing that. So, I personally don't
18		imagine our board of trustees going against a
19		mandate of the State of New Hampshire. So I
20		wouldn't view that as a realistic option.
21	Q.	So the only authority that the board of
22		trustees had was to approve the expenditure.
23	Α.	Well, no. It's to ensure that management is
24		managing the project well.

Q. And so, when we look at Staff 2-2, Page 29 of 50, it indicates that you and Cameron Bready made the presentation to the board of trustees on July 15th of '08. Does that square with your recollection of that?	
3 made the presentation to the board of 4 trustees on July 15th of '08. Does that 5 square with your recollection of that?	
4 trustees on July 15th of '08. Does that 5 square with your recollection of that?	
5 square with your recollection of that?	
A Voob ware appropriate on ware	
6 A. Yeah, we were sponsors or we were	
7 presenters at that meeting.	
8 Q. Why were the presenters different at that	
9 meeting than at the RaCC meeting? What role	
10 did Cameron Bready have versus Jim Vancho,	
11 for example?	
12 A. Jim Vancho reported to Cameron Bready.	
13 Cameron Bready was, you know, a finance	
14 officer of the company. It was that job	
15 or the role of the finance group to	
16 financially analyze all projects that went	
17 before the RaCC.	
18 Q. And so this was a higher level of approval	
19 needed, the board of trustees. So, somebody	
20 of a higher authority made the presentation.	
21 Mr. Bready was higher than Mr. Vancho;	
22 correct?	
23 A. Yes.	
Q. I don't see in either of these two	

		5
1		presentations any indication that the project
2		was a mandate. Can you explain to me why
3		that's the case?
4	Α.	Well, there might be other documents if it's
5		not contained in there. There's very clear
6		communication and very clear understanding
7		within Northeast Utilities and PSNH that it
8		was a mandate, yes.
9	Q.	I don't see anything in the minutes of either
10		meeting indicating that, either. Could you
11		explain that?
12	A.	I would have to review those minutes. But
13		regardless, I'm telling you that it was very
14		well understood that we were complying with
15		the state law.
16	Q.	It was understood, but it isn't clear that
17		you told either one of those groups.
18	Α.	I can tell you they understood.
19	Q.	And what if either one of them had not
20		approved the request? What would you have
21		done?
22	Α.	Never faced that situation.
23	Q.	Pardon?
24	Α.	I never faced that situation.
	-	

1	Q.	Well, I'm asking you hypothetically. What if
2		either the risk committee or the board of
3		trustees had not approved the request? What
4		were the options available to you at that
5		time? What would you have done?
6	А.	You sort of asked a similar question earlier.
7		You know, my role was to comply. I have to
8		comply with state law. I have to look out
9		for the interest of customers, and I have to
10		do what my superiors say. So I have to
11		comply, you know. So I can't tell you,
12		hypothetically, if they would have said no,
13		what I would have done. I, you know, could
14		have screamed and yelled. I could have quit.
15		But if I'm going to work there, I have to
16		comply. I have to comply with the law.
17		You know, in our executive summary, what
18		you were just saying, we never said it was
19		mandated. On Page 30 of 50, it says, "New
20		Hampshire legislation mandates compliance to
21		mercury emissions standards set forth in the
22		New Hampshire Mercury Reduction Act." So we
23		had communicated numerous times with my
24		superiors at Northeast Utilities of this, and

1		I can tell you they were well aware of the
2		law, the law that was passed, and what it
3		mandated.
4	Q.	So if the risk committee or the board of
5		trustees did not approve, was an option to go
6		back to the legislature and ask for relief
7		from the law?
8	Α.	Again, never got to that situation, never had
9		to do that. As we were in compliance mode,
10		you know, we were updating most everyone on
11		the status of the project, the costs. And,
12		you know, it's up to the legislature to
13		decide if they wanted to change course. Of
14		course, they were well aware of the \$455
15		million estimate, and they did not
16		(Court Reporter interjects.)
17	Α.	the \$457 million estimate and did not
18		change course. And so we had to continue to
19		comply with the law as it was.
20	Q.	But you would admit, would you not, that you
21		were, as Senator Bradley said, "complicit" in
22		that?
23	Α.	No, I would not agree with that.
24	Q.	You don't believe that you didn't
l		ANAN I POPIDA N II I (P)

1	participate in the lobbying and the
2	legislative session of 2009? Is that what
3	you're saying?
4	MR. NEEDLEMAN: I'm going to
5	object again. We're wandering again into
6	areas that have to do with interactions with
7	the legislature, which I understood to be
8	beyond the scope here.
9	MR. PATCH: Well, I would just
10	like to say that PSNH keeps saying it was a
11	mandate, it was a mandate. And clearly, they
12	had significant involvement in legislative
13	processes. So I don't think they can just
14	continue to fall back on that argument
15	without explaining themselves.
16	MR. NEEDLEMAN: It's not
17	MR. PATCH: I think it's
18	important for discovery to be able to ask
19	that question.
20	MR. NEEDLEMAN: It's not
21	falling back on an argument. The Commission
22	ruled explicitly on this issue and said that
23	this wasn't going to be the subject of this
24	deposition, and that was premised explicitly

1 on the papers that you submitted asking for 2 the deposition. MR. PATCH: 3 Not true. Not true. I don't think that's true at all. Ι 4 5 think that's mischaracterizing what the Commission said. 6 7 MS. ROSS: I think, Mr. Patch, 8 what I would -- a question that I would allow 9 would be to get to the Company's knowledge of the project in that time frame as opposed to 10 11 whether or not they took a specific action to influence the legislature. 12 MR. PATCH: Well, I quess the 13 14 question I'm trying to have answered is, if 15 the committee or the board had said no, was 16 an option that was available to PSNH to go 17 back to the legislature and basically say, you know, We don't have authority from our 18 19 board; it's become too expensive; you know, 20 please relieve us of this responsibility or, at a minimum, study it before we proceed. 21 22 And I think that's very relevant to what the 23 options are and very relevant to the 24 consideration of what a prudent utility under

1 those circumstances would have done, which is 2 the central theme of this case. 3 MR. NEEDLEMAN: Well, and I'll 4 object. Not only is it a hypothetical, but 5 it's a hypothetical that goes to influencing 6 legislature, which is exactly what we're not 7 supposed to be discussing here. 8 MR. PATCH: I think it's 9 critical. I think it's critical to what a 10 prudent utility would have done under the 11 circumstances. 12 MS. ROSS: I'll sustain the 13 objection. You may probe the witness as to 14 his knowledge of the project in that time 15 frame and as to any communications that the 16 Company had which divulged its understanding 17 of the project or the cost of the project. 18 BY MR. PATCH: 19 Q. Let's look at the June 25th, '08 presentation 14 that you made to the Risk and Capital 15 committee. And let's look at Page 18 of 50 16 in the upper right-hand corner. And I want 17 to look at the last entry on that page. And 11 rill read it to you. It says, "Loss of			
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	22		in the upper right-hand corner. And I want
24 I'll read it to you. It says, "Loss of	23		to look at the last entry on that page. And
	24		I'll read it to you. It says, "Loss of

1		PSNH's Merrimack Station would call into
2		question the viability of operating the
3		remaining generating assets as a fleet." And
4		I guess I would like you to explain what that
5		sentence meant.
6	A.	Well, again, this is a Risk and Capital
7		Committee. So, you know, they'd like to know
8		what the risks are. And this is just talking
9		about the risk of not complying with the law
10		means that Merrimack Station would not be
11		able to operate. And if Merrimack Station
12		was not able to operate, it would draw into
13		question the remaining fleet operation.
14	Q.	Why? I don't understand why it would call
15		into question
16	Α.	Because we operate as a fleet.
17	Q.	What does that mean?
18	A.	One management structure, one they're all
19		used interactively to serve the energy needs
20		of our customers.
21	Q.	And so if you didn't have Merrimack Station,
22		you couldn't operate the other generating
23		facility?
24	Α.	It's a you could get to a question of
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		C
1		scale, where it's just too small a scale to
2		have to continue to have a structure to
3		manage it.
4	Q.	So you would have had to cut the number of
5		people involved in that portion of the
6		business?
7	A.	Again, this is just a concept here. That
8		level of detail was never developed.
9	Q.	This presentation refers to a Brattle Group
10		analysis of future energy markets, and it's
11		actually referred to in a number of
12		presentations that were made to the staff, I
13		think to the board of trustees, and what PSNH
14		has provided in response to data requests.
15		And I'll refer now to Technical Session 1-8,
16		Page 2 of 37. We'll stop and mark that.
17		(Long Deposition Exhibit 6 marked
18		for identification.)
19		MS. FRIGNOCA: Would you
20		please repeat the page you're referring to?
21		MR. PATCH: Yeah. I'm
22		referring to Page 18 of 50, first of all, in
23		the response to Staff 2-2, where it says,
24		three up from the bottom, and it's two up

1		from the last phrase that I pointed out. It
2		says, "Brattle Group analysis of future
3		energy markets indicates that all coal
4		generation, including Merrimack, will
5		continue to operate economically."
6	BY M	R. PATCH:
7	Q.	And so now on to TS-1-8. The Brattle Group
8		analysis that PSNH has provided in response
9		to data requests is dated August 1st of '08,
10		if you look at Page 2 of 37. And I've asked
11		a couple of times in data requests well,
12		at least in TransCanada 4-24, and then in
13		Technical Session 2-12 for the Brattle
14		Group analysis that is referred to in the
15		June and the July presentations.
16		So I'm trying to understand, is there
17		another Brattle Group analysis that predates
18		August 1st, that predates your presentations?
19	A.	Well, this Brattle Group study you're
20		referring to that has a date of August 1st,
21		2008, was done for Connecticut Light & Power,
22		not Public Service Company. So, just for
23		clarification. And as far as the date
24		reconciliation, you know, again, I wasn't

1		involved with that study. So I don't know
2		if you've already asked it in data
3		requests. I don't know if I can add any more
4		intelligence. Insofar as is this a publish
5		date or a date when it was internally
6		available, I just can't really comment on
7		that because I wasn't involved with this
8		particular work by Connecticut Light & Power.
9	Q.	Okay. I guess I would ask your counsel,
10		though, if they could go back and check
11		again, because we've asked a couple times,
12		and this is what we keep getting references
13		to.
14		MR. PATCH: I'd like to see a
15		copy of the Brattle Group analysis that was
16		referred to in the June and July
17		presentations to the RaCC and to the board of
18		trustees, and then also the presentation that
19		was made to staff. And the references I keep
20		getting is this one, but obviously the date
21		doesn't jive. So I guess I would ask if
22		you'd double-check that, and if there is a
23		different analysis, if you would provide
24		that.

1 BY MR. PATCH:

2	Q.	In your July 15th, 2008, presentation to the
3		board of trustees and this is in Staff
4		2-2 you said that expected future price
5		for natural gas and the spread between
6		natural gas prices and coal prices are
7		critical to the assessment of customer
8		impacts. And I'm looking at Page 37 of 50
9		I'm sorry, 34 34 of 50. And then I'm
10		looking at 38 of 50, which is Key Financial
11		Takeaways; Customer value of scrubber
12		installation extremely sensitive to future
13		expected natural gas/coal price spread." Do
14		you see that?
15	A.	Yes.
16	Q.	Is it fair to say that you recognized then
17		meaning in June of '08 and July of '08 how
18		important the relationship between the future
19		expected price of natural gas and of coal was
20		to the impact on customers?
21	A.	Yes, we understood that. I understood that
22		it had an impact.
23	Q.	In this presentation, Page 35 and 37, there
24		are a couple of references to a customer
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1		break-even level of \$5.29 cents an MMBtu. Do
2		you see that on Page 35, in that chart? In
3		the right-hand side column it says, "Net
4		Customer Impact Break-even Rates," and then
5		it says \$5.29.
6	Α.	Yeah, I see that.
7	Q.	And then on Page 37 it says at the top,
8		"Gas/coal spread have averaged \$3.18 an MMBtu
9		over the last 15 years as compared to the
10		required customer break-even level of \$5.29
11		an MMBtu, based on current price levels."
12		What was your understanding of what that
13		meant?
14	Α.	It was just it's one of the factors that
15		was looked at in the economic analysis.
16		There were other factors. It was a
17		significant factor. So, just trying to
18		understand how that single factor in itself,
19		you know, how to put meaning to it. But it's
20		just one of many factors.
21	Q.	So it didn't have any more importance than
22		anything else, in your mind.
23	Α.	Well, the state law found the product to be
24		in the public interest. And economics are
	-	

1		important in all things, but it's not the
2		only thing that's considered. And within the
3		financial analysis that was prepared to help
4		people understand what the impact of this
5		compliance was, this was one of the factors
6		that affect the overall economics to
7		customers.
8	Q.	After the you made the presentation to the
9		board, did you have an ongoing obligation to
10		update the board about changes in natural gas
11		and coal price projections?
12	Α.	No, not me particularly. We had an
13		obligation to update the RaCC on the status
14		of the construction and our progress in
15		complying with the mandate.
16	Q.	Do you know why and I guess I'll refer you
17		to Staff 2-2, Page 50, which is the signature
18		of Charles W. Shivery did I say his last
19		name correctly?
20	Α.	Close enough.
21	Q.	Close enough. Okay dated September 24th
22		of '08, more than two months after the board
23		of trustees's meeting. Do you know why it
24		took him more than two months to sign off on
	ι	

		6
1		the project? It says "approval of capital
2		funding."
3	Α.	He's a businessman. We were proceeding. I
4		don't know what other things he was doing
5		during that time frame, but I know he was a
6		busy man.
7	Q.	Did you have any conversations with him
8		between the approval from the board of
9		trustees on September 24th about the project
10		that you recall?
11	Α.	Not that I recall, but I may have. I just
12		don't recall.
13	Q.	Would there be any documentation exchanged
14		between the two of you during that period of
15		time with regard to the project?
16	A.	Personal documentation other than what
17	Q.	No. E-mails or memos or anything related to
18		the project.
19	Α.	I doubt it. I don't recall any. I don't
20		directly I didn't then, and I don't
21		directly report to him. So it wouldn't have
22		been my practice to contact him directly.
23	Q.	Who would you have contacted if you were
24		going to provide information about the

		65
1		project in that time frame?
2	Α.	Well, my immediate supervisor is Lee Olivier.
3	Q.	Leo?
4	А.	Lee, L-E (sic).
5	Q.	L-E? Lee Olivier?
6	Α.	O-L-I-V-I-E-R.
7	Q.	Do you recall whether you had any
8		conversations with him or any exchange of
9		e-mails or memoranda with regard to this
10		project in that time frame?
11	Α.	Let's see. We started talking about Chuck
12		Shivery's approval. Are we still talking
13		about
14		(Court Reporter interjects.)
15	Α.	We started out talking about Chuck Shivery's
16		approval. Are we still talking about that?
17	Q.	Well, we're talking about July 15th of '08 to
18		September 24th of '08.
19	Α.	You know, I typically see him once a week.
20		So I can't recall things we would have talked
21		about. But it's a variety of things, you
22		know, that I was responsive for in addition
23		to generation.
24		MR. PATCH: I would like to

1		ask if there is any documentation that PSNH
2		might have of conversations between Mr.
3		Olivier and Mr. Long in that period of time
4		that related to Merrimack Station in any way.
5	A.	I can tell you I don't have any, so I doubt
6		that there was any. But I don't recall any.
7	BY M	IR. PATCH:
8	Q.	I thought you said you don't recall, and
9		that's why I'm asking for it. Are you saying
10		now, definitively, there isn't any or
11	Α.	What I was describing to you is a process
12		where we see each other personally and as
13		part of group meetings, and they're not
14		recorded. I don't record them. So they're
15		just interaction, oral discussion. So I
16		can't recall, nor has it been recorded, you
17		know, what do we talk about. We talk about a
18		variety of things, operational things and
19		update of progress on meeting goals. So I
20		may have reported on the progress of meeting
21		the compliance, but I there's not anything
22		significant or that I recall being recorded
23		in any way, nor do I expect there is any
24		recording of oral conversations.

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1	Q.	I want to direct your attention to the	
2		response to TransCanada 4-17.	
3		MR. PATCH: If we could mark	
4		this.	
5		(Long Deposition Exhibit 7 marked	
6		for identification.)	
7	Q.	The first page after the response so it	
8		would be Page 2 of 11 indicates that it's	
9		a Merrimack Station Clean Air Project Cost	
10		Estimate Analysis, dated June 17th of '08,	
11		done by PowerAdvocate. Who was	
12		PowerAdvocate?	
13	Α.	They were a consultant hired by our	
14		generation group.	
15	Q.	And do you recall seeing this cost estimate	
16		analysis?	
17	Α.	Not specifically.	
18	Q.	I want to call your attention to a reference	
19		on Page 3 of 11. And the first numbered	
20		paragraph says, "Explain why Merrimack	
21		Station's CAPS's cost estimate is on the high	
22		end of the cost per kilowatt range for a	
23		complete FGG FGD retrofit relative to	
24		similar FGD retrofit projects." Do you see	

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1		that?	
2	A.	Yes.	
3	Q.	And then I want to call your attention to	
4		Page 8, 8 of 11. Not 8 in the lower	
5		right-hand, but 8 in the upper right-hand	
6		corner. And the first paragraph says,	
7		"Capital construction costs for new	
8		generation and transmission projects remain	
9		at historic levels, with no clear	
10		understanding of whether or not we have	
11		reached the peak due to the recent volatility	
12		of costs associated with the supply market.	
13		This fact, coupled with the increased	
14		uncertainty around projected carbon	
15		regulations and the effects of a tight labor	
16		market, the utility industry finds itself in	
17		a period of time when there seems to be no	
18		good indicator for investment decisions." Do	
19		you see that?	
20	Α.	Yes.	
21	Q.	Did you incorporate these cautions in your	
22		reports to the risk committee and the board	
23		of trustees?	
24	Α.	This is a draft report. It has the word	
L		SUSAN J. ROBIDAS, N.H. LCR/RPR	

		-
1		"draft" on it. But this was part of the
2		input to the management team, you know, to
3		help understand why the costs have changed
4		over time.
5	Q.	So you didn't think it was important enough
6		to include it in those presentations?
7	A.	I'm not sure that's a fair characterization.
8	Q.	Okay. Well, you can characterize it however
9		you want.
10	Α.	Well, we obviously thought it was important
11		to enlist PowerAdvocates to look at these
12		questions. So, obviously, it's important.
13	Q.	Okay. But not important enough to mention it
14		to the RaCC or the board of trustees, or
15		ultimately the PUC in September.
16	Α.	Now, what point are you thinking that is
17		excluded? Because we've listed a number of
18		facts and risks to the RaCC Committee and
19		summaries of what the price the cost
20		change were. So I would say this report was
21		used.
22	Q.	Okay. Well, I didn't see anything in those
23		presentations, so I'm just asking why it
24		wasn't there.

1	Α.	I can't answer that question any better than
2		I just answered it.
3	Q.	Okay. In that time frame, in the summer of
4		'08 and the fall of '08, and actually early
5		into '09, what was the way in which you
6		personally, and PSNH more generally, checked
7		and evaluated natural gas and coal prices and
8		price projections? What did you have in
9		place? Who was the one that did that? How
10		did that relate to your responsibilities?
11		I'd like a little bit of background on that.
12	A.	On commodity prices?
13	Q.	Natural gas and coal prices and price
14		projections.
15	А.	
	•	Well, those projections were changing. We
16		don't typically project gas prices ourselves.
16 17		
		don't typically project gas prices ourselves.
17		don't typically project gas prices ourselves. We look at what others are forecasting. I
17 18		don't typically project gas prices ourselves. We look at what others are forecasting. I mean, your own client, during that time
17 18 19		don't typically project gas prices ourselves. We look at what others are forecasting. I mean, your own client, during that time frame, was questioning decisions based on
17 18 19 20		<pre>don't typically project gas prices ourselves. We look at what others are forecasting. I mean, your own client, during that time frame, was questioning decisions based on short-term prices and had been altering its</pre>
17 18 19 20 21		don't typically project gas prices ourselves. We look at what others are forecasting. I mean, your own client, during that time frame, was questioning decisions based on short-term prices and had been altering its forecast when it considered its McKenzie
17 18 19 20 21 22		don't typically project gas prices ourselves. We look at what others are forecasting. I mean, your own client, during that time frame, was questioning decisions based on short-term prices and had been altering its forecast when it considered its McKenzie Project, its Keystone Project and then the

1		industry that even had natural gas companies
2		not certain, but in the case of TransCanada,
3		certainly projecting five-year price
4		increases in natural gas in that '09, '10,
5		'11 time frame. So we would look at the
6		reports of companies like theirs and others.
7		But I think our main conclusion would be it's
8		very volatile.
9	Q.	Who had the responsibility within the company
10		for developing for reviewing those
11		forecasts, first of all, I guess I'd say?
12	Α.	Well, there is no single responsibility. As
13		I said, we typically don't perform those
14		forecasts. We look at what others have done.
15		We obviously, in the day-to-day bidding
16		process, need to look at short-term prices,
17		what's posted out there. But long-term
18		prices were changing quite a bit, and still
19		are.
20	Q.	Who's the "we" in that response? That's what
21		I'm trying to understand.
22	Α.	We have what's called a wholesale marketing
23		group and generation personnel who bid
24		generation in the market on a daily basis,
I		SUSAN J. ROBIDAS, N.H. LCR/RPR

1		who plan for how we'll meet our customers'
2		needs in the next week, the next month, the
3		next six months.
4	Q.	And so they're the ones who would be
5		responsible for reviewing those forecasts and
6		then presumably reporting to others in the
7		company, including yourself?
8	A.	The forecasts that you're thinking here are
9		posted prices for the purpose of determining
10		how to manage our power portfolio. It's not
11		long-term forecasts or five-year forecasts
12		like TransCanada puts together.
13	Q.	Okay. Well, I'm not interested in those, in
14		terms of managing the portfolio that you
15		referenced. I'm interested more in the
16		natural gas and coal prices and price
17		projections as they relate to Merrimack
18		Station, because clearly that was done in the
19		summer of '08, and that was filed with the
20		Commission in September of '08; correct?
21	A.	I don't know what forecasts I'm not
22		familiar with their forecasts. It's you
23		know, what I've said repeatedly is that
24		long-term forecasts are typically not

1 reliable, and particularly in that time frame 2 where they were changing. Like I say, even 3 TransCanada was changing its forecast every 4 year, and they're in the business. So we're 5 not in the I'm not in the practice of 6 directing my subordinates to do a long-term 7 forecast and then depending on it. It's more 8 of managing what we have and complying with 9 the law. 10 Q. 1'd like you to take a look at the response 11 to TransCanada 1-2. 12 A. 13 Q. Not yet. I don't think we've marked? 14 (Long Deposition Exhibit 8 marked 15 for identification.) 16 Q. And the question was: "Please provide all 17 fuel price forecasts available to PSNH at the 18 time of its initial decision to construct the 19 flue gas scrubber at Merrimack Station." 20 You objected. Commission ordered a 21 response, and then you responded. You, PSNH, 22 forecasts available to PSNH at that time are			
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9 the law. 10 Q. I'd like you to take a look at the response to TransCanada 1-2. 12 A. Has been that previously been marked? 13 Q. Not yet. I don't think we've marked this. 14 (Long Deposition Exhibit 8 marked for identification.) 16 Q. And the question was: "Please provide all fuel price forecasts available to PSNH at the time of its initial decision to construct the flue gas scrubber at Merrimack Station." 20 You objected. Commission ordered a response, and then you responded. You, PSNH, responded. And it says, "The fuel price	7		forecast and then depending on it. It's more
 10 Q. I'd like you to take a look at the response to TransCanada 1-2. 12 A. Has been that previously been marked? 13 Q. Not yet. I don't think we've marked this. 14 (Long Deposition Exhibit 8 marked for identification.) 16 Q. And the question was: "Please provide all fuel price forecasts available to PSNH at the time of its initial decision to construct the flue gas scrubber at Merrimack Station." 20 You objected. Commission ordered a response, and then you responded. You, PSNH, responded. And it says, "The fuel price 	8		of managing what we have and complying with
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18 time of its initial decision to construct the 19 flue gas scrubber at Merrimack Station." 20 You objected. Commission ordered a 21 response, and then you responded. You, PSNH, 22 responded. And it says, "The fuel price	16	Q.	And the question was: "Please provide all
19 flue gas scrubber at Merrimack Station." 20 You objected. Commission ordered a 21 response, and then you responded. You, PSNH, 22 responded. And it says, "The fuel price	17		fuel price forecasts available to PSNH at the
20 You objected. Commission ordered a 21 response, and then you responded. You, PSNH, 22 responded. And it says, "The fuel price	18		time of its initial decision to construct the
 response, and then you responded. You, PSNH, responded. And it says, "The fuel price 	19		flue gas scrubber at Merrimack Station."
22 responded. And it says, "The fuel price	20		You objected. Commission ordered a
	21		response, and then you responded. You, PSNH,
23 forecasts available to PSNH at that time are	22		responded. And it says, "The fuel price
	23		forecasts available to PSNH at that time are
24 provided in the attached, which includes	24		provided in the attached, which includes

1		NYMEX and broker forward fuel price
2		quotations from June '08," and then it goes
3		on from there.
4		So, attached to this are what we were
5		provided in response to that data request.
6		And I guess I would like to ask, first of
7		all, are these the kind of fuel price
8		forecasts that you would have personally
9		reviewed?
10	Α.	No.
11	Q.	But this was part of the attachment to what
12		you submitted to the Commission in September
13		of '08. So you just didn't review them?
14		MR. BERSAK: I would just like
15		to note that the witnesses for this response
16		that has been identified as and marked as
17		No. 8 were Frederick Wright, Jody J. TenBrock
18		and Terrence J. Large, and did not include
19		Mr. Long.
20		MR. PATCH: I don't think Mr.
21		Long's name is on any of the responses to
22		data requests, is it?
23		MR. BERSAK: I don't know.
24		MR. PATCH: I can tell you
L		SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		that it isn't.	
2	BY N	MR. PATCH:	
3	Q.	So you don't know what these are, then, I	
4		guess, is what you're telling me.	
5	A.	I haven't I didn't prepare that response.	
6		I didn't prepare the forecasts.	
7	Q.	Would you take a look at them just for a	
8		minute and tell me whether well, first of	
9		all, have you ever looked at fuel price	
10		forecasts in your career as president of	
11		PSNH?	
12	A.	Yes. I've never done a fuel price forecast,	
13		but I have seen results of fuel price	
14		forecasts.	
15	Q.	Is this what they would typically look like?	
16		Would there be a narrative accompanying them?	
17		Would they have a company identifier? Would	
18		they be marked "proprietary"?	
19		MS. ROSS: Could you ask one	
20		question at time, please.	
21	BY N	MR. PATCH:	
22	Q.	Okay. Is this what they would typically look	
23		like?	
24	A.	Again, I don't prepare them. But, you know,	
l		SUSAN J. ROBIDAS, N.H. LCR/RPR	

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1		seeing a table like on Page 2 of 68, that
2		might be a typical summary of a forecast.
3		Could be in graphical form. As I said, I've
4		looked at TransCanada ones which were in
5		graphical form. Those are summaries of
6		studies. As I said, I haven't done a fuel
7		forecast myself.
8	Q.	When you've looked at them, do they typically
9		have a narrative accompanying them?
10	Α.	Like I said, Page 2 doesn't.
11	Q.	Well, I know. But I'm asking you, when you
12		typically looked at them, not necessarily
13		these.
14	Α.	Sometimes there are tables, sometimes there's
15		words. Could be either.
16	Q.	Do they typically have company identifiers on
17		them indicating which company actually made
18		the projection?
19	Α.	Not always.
20	Q.	Are they marked "proprietary," typically?
21	Α.	If they are. You know, if they're public
22		information, they wouldn't be.
23	Q.	So when you submitted the letter on
24		September 2nd of '08 to the Commission,

1		attached to that letter was a report. And I
2		guess I'd like to have that marked next.
3		(Long Deposition Exhibit 9 marked
4		for identification.)
5	Q.	Are you familiar with this report?
6	Α.	Generally.
7	Q.	When was the last time that you or anyone
8		else at PSNH checked the price of natural gas
9		and projections for those prices prior to
10		this submission on September 2nd?
11	A.	Prior to the submission of this report?
12	Q.	Yes.
13	Α.	I don't know.
14	Q.	Do you have a rough idea? Was it three
15		months? Was it six months? One month?
16	Α.	As I told you, I don't do that work. So I
17		don't know.
18	Q.	Did you discuss the forecast contained in
19		this report with anyone prior to the
20		September 2nd submission?
21	A.	I don't recall.
22	Q.	Do you have any idea how the projection of
23		natural gas prices was done?
24	Α.	Again, you're referring to forecasts. I
	L	SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		don't know which forecast you're referring
2		to.
3	Q.	Okay. Well, let's look at
4	Α.	And they're not forecasts that I personally
5		did, so
6	Q.	Okay. Let's look at Page 15 of this. And
7		there's a Part E on Page 15 in the lower
8		right-hand corner of Page 15. There's a lot
9		of different page numbers on here. Yeah, and
10		Part E, or Paragraph E at the bottom of the
11		page, it says, "In the market purchase and
12		combined cycle natural gas scenarios, a year
13		2012 price of \$11 per MMBtu was used as the
14		first-year price of natural gas." This value
15		was escalated at a rate of 2.5 percent per
16		year for future years of the analysis." Did
17		I read that correctly?
18	Α.	Yes.
19	Q.	Do you know who did this forecast?
20	Α.	No.
21	Q.	You have no idea who prepared this?
22	Α.	I don't have a recollection of who prepared
23		it. I think it's a statement of an
24		assumption. So, you know, you could use

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1		different assumptions different places.	
2	Q.	That's right. But this	
3	Α.	This is a statement of an assumption. I	
4		think you called it a forecast. It says a	
5		price was used. It doesn't say it was	
6		forecasted. It just explains what was used	
7		in the analysis.	
8	Q.	It's a pretty critical assumption, isn't it?	
9	Α.	One of many.	
10	Q.	One of many. So, pretty critical to the	
11		impact on customers, would you say?	
12	A.	Yes. As we stated earlier, fuel prices are	
13		important.	
14	Q.	But you don't know who did this.	
15	Α.	Not sitting here today, no.	
16	Q.	Is there any documentation you could check so	
17		that you could find out who was responsible	
18		for doing this?	
19	A.	I wouldn't be able to.	
20		MR. PATCH: I'd like to make a	
21		data request of the Company, that they answer	
22		the question of who prepared the \$11 per	
23		MMBtu price that was used as an "assumption,"	
24		as Mr. Long says, in this particular report,	

1 referenced on Page 15, Paragraph E. 2 MR. BERSAK: We've been through discovery for several years. 3 This report has been out there for over five 4 5 If you're going to depose Mr. Long years. about what he knows about this project, I 6 7 think we've completed discovery, and I would 8 object to further discovery. MR. PATCH: And then I would 9 also like to ask for any of the underlying 10 11 materials --12 MR. BERSAK: May we have a 13 ruling on this one, please? 14 MR. PATCH: Well, I thought what had been indicated was that those 15 16 rulings were going to be reserved until --17 MS. ROSS: I wasn't planning on ruling, but I would recommend production 18 of this because it is a critical piece of 19 information in this docket. 20 21 (Court Reporter interjects.) 22 MR. BERSAK: I'm just asking, 23 when does discovery stop? 24 MS. ROSS: Whenever the

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1	Commission determines that it's time to stop
2	it. And I don't believe that that decision
3	has been made today.
4	MR. PATCH: In addition to who
5	prepared this, I'd like to have copies of all
6	the underlying materials on which that person
7	relied.
8	BY MR. PATCH:
9	Q. I'd like to refer you to the response to
10	TransCanada 3-7 and 3-9.
11	MR. PATCH: So if we could
12	have those marked.
13	(Long Deposition Exhibits 10 and 11
14	marked for identification.)
15	Q. Now, this TC-7 first of all, TC-3-7, asked
16	for the process used to examine the forward
17	market for natural gas delivered to New
18	England and copies of any and all
19	documentation in PSNH's possession, and
20	explain why and when the examination was
21	done.
22	And the answer is, "This analysis was
23	performed in the summer of 2008 using NYMEX
24	data from June 11, 2008." Do you see that?
	GUIGAN T DORTDAG N U LOD

1	А.	Yes. And again, this was not my work and not
2		my response. There's another individual
3		identified there
4		(Court Reporter interjects.)
5	Α.	There's another individual identified in the
6		response to these data requests.
7	Q.	Do you have any reason to think this is
8		incorrect?
9	Α.	No.
10	Q.	And what about the response to TC-3-9, which
11		refers to that \$11 an MMBtu and also refers,
12		again, to that was obtained by reviewing
13		NYMEX futures prices available in the summer
14		of '08? Do you see that?
15	A.	Yes.
16	Q.	Do you have a similar response to that?
17	Α.	Again, it's not my work, not my response.
18		You asked if I have any reason to believe
19		it's not correct. I have no reason to
20		believe it's not correct.
21	Q.	I mean, so it looks like NYMEX was an
22		important gas projection or prediction that
23		was relied on by the Company. Would you
24		arrive at the same conclusion, based on those

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1		responses?
2	A.	Yeah, it's an important indicator. It's a
3		common location to look at, as far as gas
4		prices go.
5	Q.	I mean, are you pretty familiar with NYMEX,
6		then, and the way that they provide pricing
7		predictions or pricing projections?
8	Α.	No, I'm not very familiar with it.
9	Q.	So, would you say that it's considered
10		NYMEX predictions are generally considered
11		most robust in the near term?
12	Α.	No, I don't know that to be true or not true.
13	Q.	Were there other gas forecasts available to
14		PSNH, to your knowledge?
15	A.	To my knowledge, I assume so. I don't know
16		firsthand.
17	Q.	Are you familiar with the U.S. Energy
18		Information Administration?
19	Α.	I'm familiar that it exists. I've seen some
20		of their reports.
21	Q.	Do you know whether they were used in this
22		analysis?
23	Α.	I don't know. I mean, it may have been.
24		Again, I haven't reviewed that material.
		SUSAN J. ROBIDAS, N.H. LCR/RPR

1	Q.	Are you familiar with a company called Energy
2		Ventures Analysis, Inc.?
3	Α.	No.
4	Q.	So you wouldn't know whether they whether
5		their forecasts were used in this analysis.
6	Α.	They may or may not have been used. I mean,
7		you must know. All I know is I haven't
8		worked with them.
9	Q.	Would you have any explanation as to why \$11
10		an MMBtu would be a sensible take-off point,
11		given the gas price volatility at that point?
12	A.	I rely on the work of others. I don't
13		have I can't make a judgment on that, the
14		way you asked it.
15	Q.	And who were the others, again, that you
16		relied on?
17	Α.	The person listed on these data responses is
18		Terry Large. It's one of them.
19	Q.	So that's the person you would have relied
20		upon for this?
21	Α.	I would have relied on him and our generation
22		group and our service providers in
23		Connecticut and in all aspects of this.
24	Q.	So in the summer and fall of '08, was there
l		SUSAN T ROBIDAS N H LCR / RPR

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1		any report circulated within PSNH that	
2		provided spot and future fuel prices prepared	1
3		for management review?	
4	Α.	I don't know.	
5	Q.	You don't know if there were any you don't	
6		know if it would be a typical thing to do.	
7		You have no knowledge of that?	
8	Α.	Well, it certainly may have occurred, but	
9		within our service providers. Fuel	
10		forecasting was not an area under my	
11		responsibility.	
12	Q.	Okay. So you didn't feel it was one of your	
13		responsibilities to be aware of spot and	
14		future fuel prices. Not part of your	
15		responsibility as president of PSNH.	
16	A.	I didn't manage that function. Would I be	
17		generally aware? Would they inform me of	
18		changes? Yes. But I didn't manage that,	
19		forecast that process. I did not manage the	
20		day-to-day market interactions of the company	
21		within the ISO-New England market.	
22	Q.	How frequently would they have informed you	
23		of you that?	
24	Α.	Of what?	

1	Q.	You just said, you know, you were informed by
2		people within the company of this. So I'm
3		trying to understand the frequency. Was
4		there some protocol? Was there some regular
5		occurrence? Did they inform you weekly? Did
6		they inform you daily? Did they inform you
7		monthly? I'm trying to understand how that
8		was done.
9	Α.	Well, they'd certainly inform me upon inquiry
10		or as we're considering analysis like this.
11		There was no protocol for immediate weekly
12		reports or daily reports. As I said, I did
13		not manage that function.
14	Q.	So, on request they would inform you, you
15		said? So, in other words, if you asked for
16		it, they'd give it to you.
17	A.	Oh, yes.
18	Q.	Did you ever ask for this?
19	Α.	I may have. I don't recall.
20	Q.	Do you remember anyone, at any point in that
21		time frame, in the summer of '08 and the fall
22		of '08, anyone at PSNH or NU voicing concern
23		about the gas price drop and the effect it
24		would have on the scrubber go-forward

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1		decision?
2	A.	Well, that's a topic that I'm sure we talked
3		about. I can't recall when or how or where.
4		I had conversations multiple times every day.
5		So, you know, you asked me specifically about
6		a specific conversation. Well, I don't
7		recall. But certainly that topic was
8		discussed.
9	Q.	With who?
10	A.	Well, that's what I'm saying. It could have
11		been with any it could have been with an
12		analyst. It could have been with anybody on
13		the generation team. It could have been with
14		anybody who's involved with company
15		operations.
16	Q.	Was there any documentation provided of any
17		of those discussions?
18	A.	Not that I recall, but I don't recall.
19	Q.	Okay.
20	A.	As I said earlier, we typically don't
21		these are oral discussions. You know, you
22		asked me early on my style of management. It
23		is to communicate with people often, but we
24		don't record those conversations. We don't

1 have a need to. 2 0. But if somebody thought that it was significant enough that the gas price was 3 dropping and the projections were going down 4 5 and the effect that would have on the 6 scrubber, presumably they would have done 7 more than just communicate with you orally. 8 Α. It's well known -- it was well known by us 9 that gas prices were very volatile. I'11 give you your own client's example. 10 The CEO 11 of TransCanada, in talking to his investors, 12 said you don't make an investment decision based on a one-month or short-term gas 13 14 prices, that you have to look at the long 15 And TransCanada projected steadily term. 16 increasing prices when they looked at their own projects. And that's what the CEO 17 communicated to investment communities. 18 So, 19 we were no different. Although we weren't in the gas business, we understood that you 20 21 don't look at a short-term forecast and 22 assume that's the way it's going to be 23 forever. 24 And so, yes, I did not track the

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1	hour-to-hour, day-to-day gas prices because
2	that's not relevant to my role in the
3	company. And future prices and forecasts are
4	very volatile, as we see. They're constantly
5	changing. And one has to be very cautious in
6	taking what I call a "point forecast" over
7	multiple years in the future and then, you
8	know, not and assuming that's the way it
9	will be.
10	MR. PATCH: I guess I would
11	like to make a request for any copies of any
12	e-mails, any documentation of any sort in
13	this time frame, post the July 15th, '08
14	board of trustees meeting between Mr. Long
15	and anybody else at PSNH or NU with regard to
16	the prices of natural gas, the price of coal
17	between July 15th and let's say October 15th
18	of '08. I'd like to make a request for any
19	and all documentation related to that
20	subject.
21	MS. ROSS: I will recommend
22	that request to the Commission.
23	BY MR. PATCH:
24	Q. So, let's say from September of '08 until
	SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		March of '09, did you or anyone else check
2		prices and projections during that period of
3		time that you recall?
4	Α.	That's a pretty general question. Or anyone
5		else?
6	Q.	At PSNH or NU.
7	Α.	I can't speak for other people. Did I check
8		it? I may have. I don't recall.
9	Q.	And you don't recall if anybody spoke with
10		you during that period of time about checks
11		that they made on those prices?
12	Α.	I do not record my daily conversations. Lots
13		goes on. I can't really say what went on
14		each and every day and hour and you know,
15		these are topics we discussed. I can't tell
16		you when, where and how. There's no
17		recordings to give you. It's just normal
18		business.
19	Q.	In your September 2nd letter to the
20		Commission, September 2nd of '08, in
21		DE 08-103, you referenced a section in the
22		Scrubber Law, 125-0:11, XIII and this is
23		the law that was passed in 2006 based on
24		testimony, was a not-to-exceed number of

1		\$250 million. Now back to your September 2nd
2		letter. You reference that section of the
3		law that talks about the careful, thoughtful
4		balancing of cost benefits and technological
5		feasibility. This is at the top of Page 2 of
6		your letter.
7		MS. GOLDWASSER: Exhibit 1.
8	BY M	R. PATCH:
9	Q.	Exhibit 1. Could you explain why, when the
10		cost went from \$250- to \$457 million, and
11		nothing else in the law changed, that you
12		still considered it to be a careful balancing
13		of costs and the other factors referenced in
14		the law?
15	Α.	Many factors other than costs. And the word
16		"balancing," as you quoted a couple times,
17		obviously the intent here is to reduce
18		emissions. And that's part of the balance.
19		Presumably it's part of the public interest
20		finding that the state had found in directing
21		us to install the scrubber. So it's
22		multi-faceted. It's not just cost of a piece
23		of equipment.
24	Q.	Not just cost. But the cost reference that

1	they had before them when they passed that
2	law was \$250 million; correct?
3 A	. That was sort of a preliminary generic
4	estimate that, obviously, until you get into
5	the project engineering and steps as we
6	talked about earlier and get a more refined
7	one, the number changed, for sure. You know,
8	we would have liked to have stayed the same
9	or gone down, but that's not the way the
10	situation was.
11 Q	. Well, if necessary, I can put in front of you
12	the documents, the fiscal note on the bill
13	from 2006, which says "a not-to-exceed number
14	of \$250 million," based on information from
15	PSNH." And I can put in front of you the
16	letters that Mike Nolan, the DES
17	commissioner, wrote to the legislature that
18	year saying, "Based on information from PSNH,
19	a not-to-exceed number of \$250 million"
20	So, are you saying now that that
21	estimate provided to the legislature was not
22	an accurate one?
23 A	. It was the best available at the time. And
24	when it changed to \$457 million, the

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1		legislature became very well aware of that.
2		So I would say the legislature was very well
3		informed during the whole journey, from the
4		enactment of the law to the operation,
5		completion of the project.
6	Q.	How did the legislature become well aware of
7		the \$457 million?
8	Α.	It was
9	Q.	Explain to me what role PSNH played in that.
10	A.	It was communicated to
11	Q.	By whom?
12	Α.	By our whole team at Public Service Company.
13	Q.	Including yourself?
14	Α.	Yes.
15	Q.	So you talked with the legislators about
16		that?
17	Α.	I'm sure I did. But, again, I can't tell you
18		when and where. You know, as the information
19		became available to us, as the estimates
20		became known, as the procurement process was
21		proceeded, the estimate of 457 was then, you
22		know, disclosed. It was disclosed in our
23		Security Exchange Commission filings; it was
24		disclosed to our RaCC; it disclosed to the

GARY LONG - 9/16/13

1 PUC, and ultimately disclosed to the 2 legislature. And it was very well known when 3 others tried to change the Scrubber Law. It 4 was a very well known number, and the 5 legislature chose not to change the law. 6 MS. ROSS: I'd just like to 7 point out that we're getting toward the end 8 of your session, Mr. Patch. 9 MR. PATCH: Oh, okay. 10 MS. ROSS: So if we could try 11 to	1
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9 MR. PATCH: Oh, okay. 10 MS. ROSS: So if we could try	
10 MS. ROSS: So if we could try	
11 to	
12 MR. PATCH: I'll ask two more	
13 questions and we'll stop. Okay?	
14 MS. ROSS: Okay.	
15 BY MR. PATCH:	
16 Q. In your September 2nd, '08 letter, you told	
17 the Commission that any delay in issuing	
18 and this is on Page 3, the second full	
19 paragraph, the third sentence. You told the	
20 PUC that any delay in issuing contracts would	1
21 result in additional costs to customers. I	
22 mean, as you have you said, that was a time	
23 of extreme volatility. Can you explain why	
24 you were so sure that a delay in issuing the	

<pre>1 contracts would result in additional costs 2 customers?</pre>	to
2 customers?	
3 A. Yes. Yes. We were about three years into	a
4 six-year contract. It was a multi-year	
5 project. Obviously, a significant	
6 investment. And it is extremely disruptiv	e
7 to stop a major project in the middle of i	ts
8 course. And if you stop a project after	
9 you've let contract after you've done y	our
10 engineering, after you've lined up a work	
11 force, have to lay off a work force, have	to
12 litigate contracts, et cetera, it's extrem	ely
13 disruptive. And worst of all, it puts us	in
14 a situation where we're not able to comply	
15 with the mandate. So, you know, stopping	a
16 project that you have to work very hard to)
17 meet the time lines established by the law	' is
18 very a costly, uncertain, disruptive	
19 situation.	
20 Q. On Page 3 of that letter, the first senten	ce
21 of the last paragraph, you said, "It shoul	d
22 surprise no one that the costs of this	
23 project have increased significantly over.	••
24 preliminary estimates." What did you mean	by

1 that? 2 Α. The paragraph goes on to say independent organizations, like the Wall Street Journal, 3 had been disclosing to the public and talking 4 5 about the escalation in prices of commodities that have happened during this time period. 6 7 So, the factors that led to the increase in 8 prices were not unique to PSNH. They were 9 worldwide. They were national. And others, obviously, were aware of that international 10 11 world situation with costs. And the Wall Street Journal is just one example. 12 13 MR. PATCH: Okay. Good time 14 for a break. 15 MS. ROSS: Thank you all. 16 We'll break for 15 minutes and be back a 17 little after 11. 18 (Brief recess taken.) 19 BY MR. PATCH: 20 So, Mr. Long, I'm particularly interested in 0. 21 the time frame of the summer of '08, the fall 22 Were there any regular, routine of '08. 23 reports on generation and fuels that you 24 received from people within PSNH or NU?

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 A. Are there any reports? Perhaps. I don't know. Q. Okay. Well, I guess I'd like to make a request, then, for copies of any reports in that time frame that you would have received A. On? Q on generation and fuels. A. You mean our operations of our generation during that time? I'm trying to understand what that has to do with this. Q. Okay. I mean, we don't need sort of regular reports about generation. But fuel markets, I guess, is primarily what we're interested in. Obviously, there's a relationship between that and generation. X. Yeah, because that was that's the clarification I was seeking because I get weekly generation operations reports. But you're talking about fuel forecasts, I think. Q. That's right. And they could be related to generation. So, clearly but we don't need all of your generation reports that aren't related to that. 			
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all of your generation reports that aren't	21	Q.	That's right. And they could be related to
	22		generation. So, clearly but we don't need
24 related to that.	23		all of your generation reports that aren't
	24		related to that.

1		In response to questions earlier this
2		morning, when you had indicated or you
3		referred to projections that TransCanada
4		relied upon and I guess I'm trying to
5		understand are those projections that you
6		looked at back in '08 or '09? Are they ones
7		you've looked at recently? What are those
8		that you're referring to?
9	Α.	Well, it's really part of us trying to
10		understand why TransCanada is even in this
11		case and why another utility would oppose
12		impose cost recovery from another utility.
13		And so it's really trying to understand why
14		TransCanada's doing what it's doing.
15		I have recently looked at some of their
16		own statements by their CEO and some of their
17		own forecasts to see if they were, you know,
18		in the same volatile, dynamic situation that
19		we were, and they were, in considering their
20		own major investments, like the Keystone
21		Project and the Mainline Project, the
22		McKenzie Projects, projects of that type they
23		were considering during the same time frame.
24	Q.	I guess I'd like to ask for copies of those

1		reports and any other reports that you might
2		have used in preparation for today's
3		deposition.
4		In that September 2nd letter that we
5		referred to, you had indicated on the top of
6		Page 3, the first full paragraph, that you'd
7		signed an agreement with labor leaders, and
8		you had already completed a number of
9		critical milestones. What were those
10		critical milestones that you had completed as
11		of that point in time?
12	A.	Yeah, again, they're not in my memory today.
13		They're in one of the documents. I'm sure
14		they're in a data response somewhere, where
15		we've listed in a report to the Commission,
16		you know, the milestones.
17	Q.	Well, I don't think they are in a data
18		response. That's why I'm asking you, to the
19		best of your recollection, what they were.
20	Α.	Well, I don't have them in front of me. But
21		there was a report given to the PUC where we
22		reported on status.
23	Q.	So you're saying those milestones would be in
24		the report that was filed with the
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1		September 2nd letter?
2	Α.	Again, if you want me to review documents
3		but no, I recall seeing reports that talk
4		they were progress reports. And I believe
5		they were in data responses, but
6	Q.	Progress reports made internally at the
7		company you're saying.
8	Α.	And included in data responses.
9	Q.	And you said in that letter that you'd
10		proceeded to negotiate fixed-price contracts.
11	Α.	Not me personally, but the Company, of
12		course.
13	Q.	And that's before Mr. Shivery had signed off
14		on September 24th; correct?
15	A.	Yes. Well, I don't know about the dates.
16		But it's it could have been negotiated but
17		not finalized.
18	Q.	You actually signed a number of contracts in
19		October of '08. Do you remember that?
20	Α.	No.
21	Q.	You don't remember when
22	Α.	Again, I didn't manage that project. That
23		project was managed by others. So I can't
24		speak as to what I did because I didn't
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1 sign -- you know, I didn't manage those 2 contracts. I'd like to direct your attention to a 3 Q. response, Technical Session 2-2. 4 MR. PATCH: So if we could 5 mark that. 6 7 (Long Deposition Exhibit 12 marked for identification.) 8 9 This is the August of this year, August of Q. 2013 responses. And there's a response to --10 11 it's TS-02 Q-Tech-002, unredacted -- no. I'm sorry. Updated copy of Attachment 3, 12 detailed cost -- project cost breakdown 13 previously provided confidential in PSNH's 14 15 filing dated September 2nd. 16 And now it looks to me from reading 17 this, this is what was filed with the Commission on September 2nd. And it looks to 18 19 me as though, as of that point in time, you 20 had spent in direct costs about \$7 million. 21 And in order to get to that, I'm adding up 22 the first three columns at the bottom, the 23 total direct costs, about three lines up. And it says, prior to '07, total '07, January 24

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1		to April '08. I mean, these are actual. I
2		think to the right of that, it's a little
3		hard to tell from the copy, but it looks like
4		they're estimated. So, does that sound
5		approximately correct?
6	Α.	Well, I have to take it for what it is. I
7		didn't prepare this document, nor am I the
8		identified witness.
9	Q.	But it was part of what you submitted PSNH
10		submitted with your cover letter of
11		September 2nd of '08.
12	Α.	Not my cover letter. The cover letter's
13		signed by Stephen Hall.
14	Q.	Well, I thought the September 2nd, 2008,
15		letter that you sent to the Commission in
16		08-103 refers to the report that this was
17		part of.
18	A.	But I'm trying to understand, though. What
19		part of my knowledge are you looking for?
20		Because I didn't prepare this
21	Q.	Okay.
22	Α.	these tables.
23	Q.	Well, do you have any knowledge of how much
24		you had spent as of September 2nd of '08 on
		SUSAN J. ROBIDAS, N.H. LCR/RPR

1		the project?
2	А.	Well, at the time I may have. There is a
3		difference between commitments and spending.
4		It could be quite a large difference between
5		commitments and spending. And our approach
6		was to obtain fixed-price contracts. But the
7		spending would have lagged those commitments.
8		So I think you used the word, these are
9		"actual spending." I'll take your word for
10		it. I haven't reviewed this document for
11		this deposition.
12	Q.	Okay. Well, let's look at
13	A.	Nor did I prepare it.
14	Q.	Okay. Let's look at the response to
15		TransCanada 3-14.
16	Α.	Is that in the same package?
17	Q.	No, it's in a different one. We'll get
18		copies.
19		(Long Deposition Exhibit 13 marked
20		for identification.)
21		MR. BERSAK: This is 13? I'd
22		just like to note that the witness on No. 13
23		is in fact Gary Long.
24		MR. PATCH: Okay. I stand
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1		corrected.
2	BY M	R. PATCH:
3	Q.	I'd ask you to look at Page 8 of 31. And
4		this is a presentation that you made to the
5		Senate, or at least with regard to Senate
6		Bill 152. And it was provided, obviously, in
7		response to a data request. And you
8		testified before the legislature in March of
9		'09 that \$230 million had been spent or
10		contractually committed as of that point in
11		time; correct?
12	Α.	Yes.
13	Q.	Now, the numbers in there are pretty
14		different than the ones in the chart that I
15		showed you about sort of estimates for 2009.
16		If you look back at the bottom of that, it
17		looks like summary cost estimate total 2009,
18		\$101 million at the bottom of that, you know,
19		that column. So can you explain why what you
20		told the Commission or what PSNH told the
21		Commission in September of '08 is
22		significantly less than what you told the
23		legislature in March of '09?
24	Α.	Again, I didn't prepare that, nor have I

analyzed the difference. I mean, if we said it was \$230 million was our commitments, then spent or committed then that's what I believe was the case. I mean Q. So let's look at A you may not have all the information on that table than what that we had at the time this presentation was put together.				105
3 then spent or committed then that's 4 what I believe was the case. I mean 5 Q. So let's look at 6 A you may not have all the information on 7 that table than what that we had at the	1		analyzed the difference. I mean, if we said	
 4 what I believe was the case. I mean 5 Q. So let's look at 6 A you may not have all the information on 7 that table than what that we had at the 	2		it was \$230 million was our commitments,	
 5 Q. So let's look at 6 A you may not have all the information on 7 that table than what that we had at the 	3		then spent or committed then that's	
 A you may not have all the information on that table than what that we had at the 	4		what I believe was the case. I mean	
7 that table than what that we had at the	5	Q.	So let's look at	
	6	А.	you may not have all the information on	
8 time this presentation was put together.	7		that table than what that we had at the	
	8		time this presentation was put together.	
9 Q. Let's look at Page 19 of 31.	9	Q.	Let's look at Page 19 of 31.	
10 A. Of?	10	Α.	Of?	
11 Q. Of the TC-03-14.	11	Q.	Of the TC-03-14.	
12 A. Is that Exhibit 12 or	12	А.	Is that Exhibit 12 or	
13 Q. Thirteen, I think.	13	Q.	Thirteen, I think.	
14 A. Thirteen?	14	А.	Thirteen?	
15 Q. Page 19 of 31.	15	Q.	Page 19 of 31.	
16 A. Okay.	16	Α.	Okay.	
17 Q. And you said at that time, in March of '09,	17	Q.	And you said at that time, in March of '09,	
18 that PSNH has legally binding, firm price	18		that PSNH has legally binding, firm price	
19 contracts in place for major components of	19		contracts in place for major components of	
20 the project. Do you see that?	20		the project. Do you see that?	
21 A. Yes.	21	Α.	Yes.	
22 Q. What did you mean by "legally binding"?	22	Q.	What did you mean by "legally binding"?	
23 A. Commitments we made to vendors for equipment,	23	Α.	Commitments we made to vendors for equipment,	,
24 equipment manufacturing, services, that sort	24		equipment manufacturing, services, that sort	

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1		of thing.
2	Q.	Do you know if the contracts gave PSNH the
3		ability to terminate?
4	Α.	I'm not familiar with all the details. But
5		if they did, it most likely would have been
6		with penalties.
7	Q.	So you're saying, as of that point in time,
8		what you would owe and I think you make
9		reference to it elsewhere in here, and I'll
10		find that reference but what you would owe
11		as of that point in time was \$230 million.
12	A.	That we had made commitments, either spent or
13		committed, of \$230 million.
14	Q.	On Page 18 of that response you say, "At
15		every step of the way we have affirmed
16		pricing to ensure it is in line with
17		marketplace." What do you mean by that?
18	A.	Well, in the prudent what would I say?
19		compliance with the law, you know, we wanted
20		to have competitive pricing. So we went out
21		for bid in a competitive pricing. We wanted
22		to make sure that we could demonstrate that
23		we were diligent and prudent in our execution
24		of that compliance and construction. And it

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1		was market-based pricing. It was
2		competitively bid, market-based pricing.
3	Q.	So "every step of the way" means how
4		frequently?
5	Α.	It means every step of the way. It means in
6		the that document you referred to earlier,
7		called "Strategic Sourcing," in the strategic
8		sourcing process, we're looking for the best
9		marketing pricing we could get, combined with
10		the quality and capability standards that we
11		needed with the vendors.
12	Q.	Would you agree that September of '08 was a
13		period of significant economic volatility?
14	A.	That month?
15	Q.	September of '08. I've got some headlines
16		from that month I can show you. But wasn't
17		that the month when Lehman Brothers went
18		bankrupt and there were significant economic
19		issues in the country, talk about bail-out,
20		there was the AIG problem. Do you recall
21		that period of time?
22	Α.	I do. But it just obviously, it lasted
23		for more than a month. So that was my only
24		query.

1	Q.	But it began in September of '08. Well, it
2		probably began before that. But most of the
3		headlines were September.
4	Α.	I would say there were companies in distress
5		before that date.
6	Q.	And I think you've answered this before, but
7		you tell me if you've got anything different
8		to say.
9		Now, when that happened, did you do
10		anything different about how you checked
11		NYMEX projections or any other projections of
12		gas prices, coal prices, any other prices
13		that were relevant to this project? Did that
14		cause you to approach it any differently?
15	Α.	This one month is one month in a
16		three-year management of a project is you
17		know, it's just that one month. And, you
18		know, if we saw aberrations in the bids or a
19		change in the bids, we would have examined
20		that and try to find out more and adjust. So
21		it's a you know, the bidding process was
22		not a one-month process.
23	Q.	Well, given this uncertainty in September,
24		what made you so sure that the prices were

1		going up, given everything else going on in
2		the economy, which is what you told the
3		Commission in that September 2nd letter? You
4		basically said, Don't delay, Commission,
5		because the prices are going to go up, and it
6		will result in additional costs to customers.
7		And this is the second paragraph on Page 3.
8	Α.	Yes. Well, obviously, it's because we're in
9		discussion with all the major vendors. We're
10		exploring with them what the cost of their
11		services will be, what their schedule will
12		be, what their capabilities will be. So, you
13		know, that's based on what we were finding
14		available in the marketplace for the services
15		that we needed.
16	Q.	Economic volatility cuts both ways, though,
17		doesn't it? People are losing jobs, and the
18		economy's changing; then prices can actually
19		go down, and you can get a more competitive
20		bid sometimes, can't you?
21	A.	We did get competitive bids, and we did have
22		incentives and performance incentives in the
23		contracts. And when the project was all
24		over, we were about 10 percent under budget.

1		So we felt that, you know, despite, you know,
2		having some difficult requirements placed on
3		us, I think it was a huge success to come in
4		under budget. Came in around \$420 million,
5		not \$457 million. So we did take advantage
6		of lower labor costs and changes in the
7		economy. We did do that, and we ended up
8		performing below the estimate.
9	Q.	Significantly above the original estimate,
10		though; correct?
11	Α.	Different estimates. One was preliminary,
12		one was more generic. The other one, as we
13		talked about, much more specific, different
14		time frame, more specific engineering, more
15		site specific.
16	Q.	Did you tell the legislature that estimate in
17		2006 was preliminary?
18	Α.	I don't know what words were used. But it
19		was done by a consulting firm to give us a
20		general indication. So I know we said "not
21		to exceed." That was the thoughts at the
22		time. But I know that we indicated that
23		additional engineering had to be done.
24	Q.	I think you even said in 2008 that the

1		project could be completed by 2012.
2		Obviously, that was part of the Company's
3		goal was to get this done sooner; correct?
4	A.	I would say it was part of the state's
5		directive to us. It's very clear in the law
6		that they wanted reductions. The state
7		wanted reductions sooner rather than later,
8		and very specifically provide incentives, not
9		for investors but for customers, if we were
10		to get it done sooner. And so our desire was
11		to finish it, you know, as directed. And we
12		did. We did. We finished almost a year and
13		a half before the deadline. So we think that
14		was another success of a prudently managed
15		project.
16	Q.	And the deadline was July 1st of 2013;
17		correct?
18	A.	Yes.
19	Q.	So, a six-month delay in 2008, 2009,
20		presumably wouldn't have caused PSNH to not
21		meet the deadline of July 1, 2013, assuming
22		that you studied it for six months and
23		concluded it still made sense to go ahead.
24		Is that fair to say?

- 1 A. No.
- 2 Q. No?
- 3 A. No.
- 4 Q. Why not?

5 As I described earlier, when you're in the Α. middle of a major project, a stoppage has a 6 7 lot of unintended consequences, and it may be very difficult to start it up. And it would 8 raise in the question of whether we could 9 finish it within the statutory deadline. 10 You 11 know, you couldn't say at that point that we would finish it in 2012. It was an ambition. 12 You know, given what we knew at that point, 13 14 we could have needed the entire time, all the 15 way up to mid-year 2013. So, I mean, in 16 hindsight, yes, we did it much faster. But 17 if a project would have been stopped and we would have lost vendors and perhaps the work 18 force and -- there was no assurance that we 19 20 could meet the deadline.

- Q. Could you have asked for an extension of thedeadline?
- 23 A. Could we have asked?
- 24 Q. Could you have filed --

-	-	
1	Α.	That would have been inconsistent, in our
2		minds, with the directives. So, no, we took
3		very serious the intent of the state.
4		Remember, this started with the Clean Power
5		Act that wanted mercury reductions. So
6		this even though the project was a
7		three-year project, the whole intent was more
8		years than that when the original intent was
9		established. And so we didn't view it as our
10		role to go slower about it. We viewed
11		given the legislative direction, our role was
12		to do this as fast as possible. So, no, we
13		weren't looking for delays.
14	Q.	Do you know what happened to the price of
15		commodities after September of '08?
16	Α.	If you're talking about natural gas, they've
17		gone down.
18	Q.	What about
19	Α.	And now they're going up again.
20	Q.	What about other commodities that would be of
21		interest for this particular project?
22	Α.	I wouldn't be surprised if some went down,
23		given the great recession. But that's after,
24		after, obviously, we were well into

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1		construction.
2	Q.	Was the last economic analysis that PSNH did
3		the one that was submitted to the Commission
4		in September of '08, or were there any others
5		that were done after that?
6	A.	I'm trying to remember what was submitted in
7		2008. But if it's not in the data responses,
8		that would have been the last of that type.
9		But they're constantly managing the project
10		and obviously looking at what's going on in
11		the energy world around us. And lots of
12		things are going on in the energy world
13		around us. You mentioned natural gas prices.
14		But there were a lot of other risk factors
15		that were emerging during that same time, and
16		in fact continue to grow in New England.
17	Q.	I want to read you a quote from a letter that
18		Mr. Bersak put in October of 2009 in DE
19		08-103 to the Commission.
20		MR. PATCH: So if we could
21		have that marked.
22		(Long Deposition Exhibit 14 marked
23		for identification.)
24	Q.	I'm looking at Page 2, the second paragraph,
		SUSAN J. ROBIDAS, N.H. LCR/RPR (603)622-0068 shortrptr@comcast.net

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1		and I'm looking at the last two sentences.
2		I'm going to read it. "It would be a waste
3		of resources and money to require the Company
4		to continually update projections of future
5		costs based upon forecasts made during this
6		period of significant volatility. Moreover,
7		regardless of the result of such analyses,
8		the legal mandate to install scrubber
9		technology at Merrimack Station will remain
10		intact."
11		Do you ascribe to that? Was that the
12		Company's position?
13	A.	Yes.
14	Q.	Now, were you aware of any other potential
15		environmental regulations that might drive up
16		costs for Merrimack Station?
17	Α.	Well, yes. We mentioned one of those in
18		particular in our risk analysis to the
19		risk to the RaCC Committee.
20	Q.	Do you remember what that was?
21	Α.	Water discharge and cooling.
22	Q.	Would you be surprised if in fact that is not
23		in that presentation?
24	Α.	Yes, because I specifically remember reading
24	Α.	Yes, because I specifically remember reading

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1		it in a footnote.
2	Q.	Okay. Maybe it's in a footnote. But let's
3		look at 15 of 20 [sic]. It's Staff 2-2. I
4		don't remember what it's marked as a number.
5		MS. GOLDWASSER: Should be
6		No. 5.
7	BY M	R. PATCH:
8	Q.	Page 15 of 20. I see a reference there to
9		"Impact of RGGI/federal carbon legislation is
10		not expected to render scrubber investment
11		uneconomic to customers at current projected
12		costs."
13	Α.	That's not the page I'm thinking about.
14	Q.	Okay. Well, I mean, I asked you a general
15		question about other potential environment
16		regulations that might drive up costs. And
17		so that clearly was part of the
18		consideration, wasn't it?
19	Α.	Well, as we analyzed the impact of the
20		mandate, those economic analyses that you're
21		referring to was to try to get an
22		understanding of the financial impact of the
23		mandate. And so, yes, it was in the Risk and
24		Capital Committee. There was notation made

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1		of there could be other environmental
2		compliance costs in the distant in the far
3		distance.
4	Q.	If you remember a reference in there to
5		"water cooling," could you point that out to
6		us? You can take a minute to try and find
7		it.
8	Α.	I don't know if it's in any of these things
9		that you gave us.
10	Q.	Okay. But this is what was provided to us as
11		being all the materials that were presented
12		to the RaCC and to the board of trustees.
13		And I'm just curious about the reference to
14		"water cooling" in there because I may have
15		missed it.
16	A.	Okay. This is your Exhibit 5, as an example.
17		It may occur elsewhere. If you look at
18		Page 13 of 50, for instance
19		(Court Reporter interjects.)
20	Α.	it talks about cooling tower addition, \$30
21		million, in the footnote there, a couple
22		footnotes there.
23	Q.	Okay. So that's the figure that you had
24		available at that time? That was the

1		Company's estimate of what it was going to
2		cost to address the water cooling situation?
3	A.	I wouldn't call it an estimate. I don't know
4		how you want to think of it. Because there
5		was no requirement. We felt it was years
6		away. But just to put in it was an
7		assumption or not assumption. It's a
8		you know, again, it's assumption using
9		analysis just to test the sensitivity, just
10		to test the sensitivity of the impact of
11		complying with the mandate.
12	Q.	Did you have a standard policy or protocol
13		that you followed for when to anticipate or
14		factor in potential environmental
15		regulations? In other words, did they have
16		to be adopted as rules, or were they or
17		was there a preliminary rule that looked like
18		it stood a pretty good chance of passing
19		something you would take into consideration?
20		What was your
21	A.	Well
22	Q.	What was your general approach?
23	A.	In that talking chart that we're about, those
24		are included in the "unlikely" cases.
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1		It's you know, I don't know if we had a
2		specific requirement. It depends on many,
3		many factors. But that particular one was
4		viewed as more remote, was more remote at
5		that time.
6	Q.	The water cooling one?
7	Α.	Yes.
8	Q.	Thirty million was viewed as remote?
9	Α.	Yes.
10	Q.	And so at any point in the rest of '08 or
11		early '09, did it become any less remote?
12	Α.	I don't I can't answer that question. It
13		was \$30 million out of 457, you know, a
14		sensitivity analysis against a \$457 million
15		project. So it was not the most significant
16		variable.
17	Q.	It wasn't included in the \$457 million,
18		though.
19	Α.	It was included in the sensitivity analysis
20		against that.
21	Q.	So this was a worst-case scenario for what it
22		would cost to address the water cooling
23		situation?
24	Α.	We don't we didn't label it "worst case."
		SUSAN I. ROBIDAS, N.H. LCR/RPR

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1	Q.	So what would you label it?
2	Α.	"Unlikely" and "highly unlikely," as the
3		scenario says.
4	Q.	So, anything more than \$30 million would have
5		been even less likely.
6	Α.	Now, this is looking at higher costs. And it
7		was included in the scenario for possibly
8		low, low value and unlikely low.
9	Q.	Were you aware of what customer
10		representatives from PSNH were sending the
11		customers in 2009 regarding legislation?
12	Α.	You might have to refresh my memory of what
13		you're talking about.
14	Q.	Okay. We'll show you a copy of "PSNH AE
15		Newsletter," dated February 12th of '09.
16		(Long Deposition Exhibit 15 marked
17		for identification.)
18	Q.	I'm looking under Background. I'm looking
19		down three paragraphs, I guess I'll call
20		them. It says, "The Clean Air Project will
21		make Merrimack Station one of the cleanest
22		coal plants in the nation, while impacting
23		PSNH's energy service rate by an average of
24		.33 cents per kilowatt hour, or about 3

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		12
1		percent." Do you see that?
2	Α.	Yes, now I do.
3	Q.	Now, is this newsletter something you would
4		have reviewed and approved before it went
5		out?
6	Α.	Not necessarily.
7	Q.	Do you recall whether you did or didn't?
8	A.	No.
9	Q.	That's basically the same thing you told the
10		legislature that year; correct? I can give
11		you a copy of the transcript from your
12		testimony before the Senate Committee. I
13		don't know if you would agree, subject to
14		check. And this was an attachment to one of
15		the objections that we filed to your latest
16		motion for rehearing. But in that testimony,
17		I believe you said basically the same thing:
18		That was going to be cost to customers.
19	Α.	Yeah, I'll take your word, subject to check.
20		But now we're back in the legislature again?
21	Q.	What was this particular price for customers
22		based on? Were there certain assumptions
23		about the price of natural gas and the price
24		of coal built into this price? What was this

		1	
1		based on?	
2	А.	An analysis of all those things, as I recall.	
3		It was a average over the presumed accounting	
4		life of the project.	
5	Q.	I'd like to ask, then, for copies of any	
6		analyses that the Company did in connection	
7		with your testimony and this newsletter to	
8		come up with that particular figure.	
9	Α.	You mean my legislative testimony?	
10	Q.	Yes.	
11	Α.	So we're back to legislature again.	
12	Q.	That's right. But we're talking about costs	
13		of the project as anticipated at that point	
14		in time by PSNH and the impact on customers.	
15		Do you have any idea what the price	
16		projections were for natural gas in February	
17		and March of '09?	
18	A.	Other than what you've shown me already in	
19		responses. And I believe this number, .33,	
20		has already been provided in data responses.	
21		So, whatever's in there.	
22	Q.	Do you know what the return on rate base is	
23		that it is now estimated that PSNH will get	
24		annually on the scrubber?	
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1	A.	It's our most recently allowed return on
2		equity, which I think it's 9.84. I'm not
3		sure.
4	Q.	And that translates into an annual return on
5		rate base of approximately \$38 million? Does
6		that sound correct?
7	Α.	No. Thirty-eight million? I don't know. Do
8		you have a document there that's
9	Q.	I do.
10	A.	Are you talking about equity only?
11	Q.	Well
12	A.	When you say "return on rate base," return on
13		rate base would have been whatever it takes
14		to service debt and equity.
15		(Court Reporter interjects.)
16	Q.	Well, I'll show you the document. And it's
17		already been marked as 12. This is a
18		response to technical session data requests.
19		And the technical session was in July, and
20		the response is in August. And it's the
21		response to the first data request. So it's
22		Page 4 of 4. And it says "Public Service
23		Company of New Hampshire 2013 Energy Service
24		Rate Calculation, Merrimack Scrubber, Return

1		on Rate Base, Dollars in Thousands." And way
2		down on the right it says \$38,839. See that?
3	Α.	Yes.
4	Q.	Does that sound correct?
5	Α.	Well, I assume it's correct. It's a return
6		on rate base, again, including debt and
7		equity.
8	Q.	And has that
9	Α.	So that number I gave you just said equity
10		return, and this one might I don't know.
11		I don't know how taxes is factored in this.
12	Q.	And do you know if that estimate changed over
13		the years from, say, 2008 until 2013? Or was
14		that does that sound like in the ballpark
15		of what the Company had estimated?
16	Α.	I'm trying to for the same year, for the
17		projected same year, would the estimate have
18		changed from 2008 to 2013? Well, we're
19		making capital investments every year. So I
20		would assume it would change based on actual
21		capital expenditures and actual scrubber
22		costs, amongst other things.
23	Q.	And it about doubles the return on rate base
24		that PSNH gets from its other generation; is
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1		that fair to say?
2	Α.	Yeah, I think that's a ballpark. I mean,
3		we've had roughly, perhaps, around 400 less,
4		400 investment in our other plants. And this
5		would have been close to a doubling of
6		investment in generation assets.
7	Q.	I mean, you've referred to them earlier this
8		morning. But also in your letter of
9		September 2nd, you referred to the incentives
10		to complete the project early; correct?
11	A.	Yes.
12	Q.	And I think they're in R.S.A. 125-0:16.
13	A.	That 2006 law you're referring to, yes.
14	Q.	And would you just sort of describe generally
15		what your understanding is of what those
16		incentives were?
17	A.	It's generally additional SO2 allowances that
18		would have been awarded to PSNH and passed on
19		to our customers as the financial incentive
20		that was created in the law. There's no
21		incentive for PSNH investors. Our prudent
22		management incentive is to keep the costs as
23		low as possible. So, completing a project
24		sooner rather than later results in less

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1		AFUDC being accumulated, which benefits
2		customers directly. AFUDC is Allowance for
3		Funds Used During Construction. So we wanted
4		to do everything we could to manage the
5		costs. Obviously, as I said, it turned out
6		that way because we came in under budget.
7		And part of the reason for that is a faster
8		installation and less investment.
9	Q.	You said "no incentives to investors." You
10		mean just in that statute. Is that what you
11		mean, or do you mean something else?
12	A.	I mean there is no incentive for investors in
13		that statute. And I said the Company's
14		prudent management of this was focused on
15		reducing the amount of investment as best we
16		could.
17	Q.	Were there any incentives internal to the
18		Company to complete this scrubber project, or
19		to do it in a certain time frame?
20	A.	I had goals placed on me to and as did
21		John MacDonald you know, to, you know,
22		manage, really manage the construction
23		project certainly by the deadline. The fact
24		that we were able to do it sooner was at

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1		least gave us bragging rights for being able
2		to meet our goals sooner, sooner than what
3		was required by the law.
4	Q.	Were those goals reflected in your
5		compensation package or Mr. MacDonald's?
6	Α.	They would have been a consideration. No
7		specific math behind it.
8	Q.	So what were the goals, again? Or is
9		there let me ask you this: Is there
10		anything in writing that spells out what
11		those goals were?
12	Α.	Yes. I would have had a specific goal to
13		complete the Clean Air Project in accordance
14		with the state mandate, something along those
15		lines.
16	Q.	I guess I'd ask for copies of anything in
17		writing that spells out what the goals were
18		that related to your compensation package or
19		Mr. MacDonald's.
20		And so, did you ultimately obtain
21		additional compensation as a result of
22		meeting those goals?
23	Α.	I don't know. I don't know because, you
24		know, I had many, many goals. That was one
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1		of them. Goals for liability; goals for, you
2		know, meeting your O & M budget O & M,
3		Operation and Maintenance expense budgets.
4		Like I said, reliability, customer
5		satisfaction. And there were several goals
6		there, and it's not disclosed to me as to how
7		the CEO or the board of trustees may have
8		weighed any of those.
9	Q.	PSNH has argued in this docket that the
10		legislation made it clear that time was of
11		the essence for this project; correct?
12	Α.	Yes.
13	Q.	And we established before that the effective
14		date was June 8th of 2006; correct?
15	Α.	Subject to check, I'm with you.
16	Q.	Okay. Did you make any efforts to lock in
17		prices for this project in the summer of '06,
18		or any other time in '06 or '07?
19	Α.	Before the law was the mandate was
20		established?
21	Q.	No, after the effective date of the law, June
22		of 2006.
23	Α.	Oh, between '06 and '08?
24	Q.	Yes.

1	А.	Obviously, once the law was passed, we went
2		through the steps required for management of
3		the project, and that included lining up, as
4		I said earlier, a engineering/procurement/
5		construction manager. So we had a lot of
6		work to do. And you can't sign contracts,
7		other than for a vendor, to help you manage
8		the project until you have done what that
9		vendor is hired to do, which is engineering
10		and other studies. So we were well into the
11		process. But I think the preliminary monies
12		that were approved in the RaCC were to
13		basically start up with a EPC contractor, and
14		that's what we did. And that's what led to
15		getting enough information to do the new
16		estimate of cost, the detailed estimate.
17	Q.	When was the first time you locked in any
18		prices with regard to contracts for this
19		project?
20	Α.	Again, I didn't manage that. But as I
21		recall, the first contract that we would view
22		of significance was with the EPC contractor,
23		EPC vendor.
24	Q.	I mean, it sounded to me from responses to

1		data requests I've seen that you didn't
2		really lock in prices until October of '08.
3		And you told the Commission in that letter of
4		September 2nd that the Commission should
5		hurry up and decide this because the prices
6		were going to go up, and you needed to lock
7		in those prices. So, is that a fair
8		characterization or no?
9	A.	Well, I think it's generally okay. It's
10		what happened from when the law was enacted
11		to getting the EPC, to eventually lending
12		letting contracts, there was a tremendous
13		amount of engineering work that was done by
14		the EPC contractor, a lot of design work, a
15		lot of procurement, legal contracting work
16		that went on. And it takes a fair amount of
17		time to do all that. That's that time frame
18		that you're talking about between '06 and
19		'08. And so, by the time '08 came along, we
20		knew a lot about what was available in the
21		marketplace, what vendors were available,
22		what prices they were charging, what was
23		happening to commodities. And that's sort of
24		the underlying foundation for that statement.

1	Q.	Obviously, the increase from \$250 million to
2		\$457 million did not dissuade PSNH from
3		proceeding with the project. Was there an
4		amount that would have dissuaded PSNH?
5	A.	Unknown. The only thing we focused on is
6		complying with the mandate and disclosing
7		as I said, the legislature was well aware of
8		that number and well aware of the progress on
9		the project. So it was it wasn't our
10		decision. It wasn't our authority to do
11		anything but comply with the law.
12	Q.	And so I guess you're telling me there was no
13		number that would have dissuaded you. If it
14		had been a billion or a billion and a half or
15		two billion, that wouldn't have dissuaded
16		you. You had an obligation to meet the law,
17		and regardless of the impact on your
18		customers, you would have had to do that. Is
19		that what you're saying?
20	A.	Not quite. The public interest finding was a
21		finding made by the legislature, you know,
22		not the PUC, not the Company management. And
23		the mandate was the legislature, not the PUC
24		and not the Company. It wasn't the Company's

1		decision, nor was it the Commission's
2		decision. So it is very unique. I've never
3		seen anything quite like it. But the higher
4		authority you know, the higher authority
5		than the PUC, the higher authority than the
6		Company management made all those decisions,
7		you know. So, I mean, you could ask that
8		question to the legislature: Was there a
9		point, Legislature, that you would have
10		changed the law? Certainly, you know, the
11		legislature could decide to do that. They
12		didn't. And so I don't know what the
13		legislature would have done if it was a
14		billion dollars. I don't know what they
15		would have done if it was some other number.
16		I mean, it was their decision to start with.
17		So I think it was their decision to change.
18	Q.	So if it had risen to those levels, you
19		wouldn't have gone back to the legislature
20		and asked them to change their decision?
21	Α.	Well, I think it would have had quite a lot
22		of discussion, obviously, but as the 457
23		had quite a lot of discussion. Certainly if
24		there was number of a billion it would have

1		had quite a lot of discussion. But I can't
2		predict what the legislature would do. You
3		know, management did not face that situation.
4		So I didn't have to figure out at that time
5		what to do if it was a billion. It wasn't.
6		It was wasn't a billion.
7	Q.	And the "quite a lot of discussion," you're
8		talking internally or you're talking
9		externally? Internally to the Company?
10	Α.	Well, I mean, we discuss our business all the
11		time. So I was really referring to
12		externally.
13	Q.	To your knowledge, was there any upper limit
14		that the board of trustees or the RaCC had or
15		would have considered, given the overall age,
16		condition and performance of Merrimack
17		Station?
18	Α.	You know, it's the same answer. We were in
19		compliance mode. You know, that might have
20		been a good question if management had
21		decided to do this or the board of trustees
22		had. But we didn't make that decision. So,
23		again, this was an unusual situation where
24		the legislature told us to construct

1		something. And that's just a very unique
2		situation. It was related to the state's
3		great desire to reduce emissions, and it was
4		related to a previous law that called for
5		coming up with some method to reduce mercury.
6		So it's we didn't feel we had the
7		discretion to overturn. We couldn't have
8		overturned the legislature, the law.
9	Q.	So, I mean, I just find that hard to believe,
10		given all the times that I know PSNH has gone
11		to the legislature otherwise. You're telling
12		me under no circumstances would you have
13		approached the legislature to change the
14		mandate and the law, regardless of what the
15		cost had risen to. Is that what you're
16		saying?
17		MR. NEEDLEMAN: I'm going to
18		object to that question. We're now again
19		back into hypotheticals about what the
20		Company may have done with respect to
21		legislative action, and that's beyond the
22		scope.
23		MR. PATCH: He's opened the
24		door by the testimony that he just gave. I
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1		think it's clearly within the scope. It
2		relates to prudence of the Company's action.
3		MR. NEEDLEMAN: There's no
4		opening to
5		(Court Reporter interjects.)
6		MR. PATCH: To suggest that
7		PSNH, under no circumstances, would go back
8		to the legislature is beyond belief, given
9		their activities in the legislature.
10		MS. ROSS: I'll sustain the
11		objection. I think the question's been
12		answered.
13	BY M	R. PATCH:
14	Q.	Was there anything that prevented PSNH from
15		closing Merrimack Station?
16	Α.	Yes. Again, not a unilateral decision we
17		could make.
18	Q.	Why? Explain to me where it says that in the
19		law or how you arrive at that conclusion.
20	Α.	I don't think we can close any plant without
21		PUC allowing it. And there's laws that go
22		to, I think, filing with the PUC and
23		processes at the PUC we'd have to go through.
24		I don't think the Company has a unilateral

1		being a regulated company, has a unilateral
2		ability to close a plant without, you know,
3		in some cases, the legislature and the PUC
4		being involved.
5	Q.	So if is there anything that would have
6		stopped PSNH from filing something with the
7		Commission asking to close the plant? And by
8		"the plant," I mean Merrimack Station.
9		MR. NEEDLEMAN: I'm going to
10		object to that question. It's calling for a
11		legal opinion. I don't think that's in the
12		scope of why Mr. Long is here today.
13		MR. PATCH: No, it's not a
14		legal opinion. It's a management decision
15		that's critical to the issue of prudence.
16		And the Commission, in its last order, made
17		it clear that it believed that the Company
18		had that discretion. So I'm asking the
19		Company whether it considered that and
20		whether it felt it was prevented in any way
21		from doing that.
22		MS. ROSS: I'll instruct the
23		witness to answer.
24	Α.	As I was describing, we had to comply with
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1	the law of installing the scrubber. And
2	there are severe penalties if one doesn't do
3	that. I also have said that we don't have
4	the unilateral ability to close a plant
5	without going through a very lengthy process.
6	I previously stated that we were in the
7	middle of a construction period, and it would
8	be very disruptive and create a lot of
9	uncertainty.
10	As you talked earlier about one of those
11	earlier bills, you know, we also had lots
12	of there were lots of other factors that
13	the legislature would consider in a public
14	interest finding. So we were certainly not
15	in a position to go down that path or to try
16	to convince the decision makers to change
17	their decision during a time when our own
18	analysis was showing it was beneficial to
19	customers, on economics alone, not to mention
20	fuel diversity, uncertainty in the
21	marketplace. There are other
22	considerations reliability that we
23	would have to consider in that rather
24	complicated question that you've posed. And

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1		it would it would have gone far beyond us.
2		Again, we didn't have that unilateral right,
3		nor did the circumstances even suggest that
4		was the
5	BY M	R. PATCH:
6	Q.	I didn't say unilateral. I said with the
7		Commission's approval.
8	Α.	Well, I think, given that the legislature had
9		directed us to put in a scrubber, and the
10		legislature was aware of the \$457 million and
11		chose not to change the direction, you know,
12		I don't think management wanted to go against
13		the State of New Hampshire after they've
14		already made their decision.
15	Q.	And what about selling the plant? Same
16		answer?
17	Α.	Same. Same sort of problem. A lot of
18		uncertainty would go with that. You know, if
19		our economics if our analyses are showing
20		economics
21		(Court Reporter interjects.)
22	Α.	If our economics have shown that that's
23		valuable to customers on an economic basis,
24		and the legislature had made a public

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1		interest standing, I think we'd be highly
2		challenged to go against those findings.
3	Q.	Did you ever consider or discuss with anyone
4		asking the Department of Environmental
5		Services for a variance from the requirements
6		of the law?
7	Α.	Well, as you know, our view of the law is
8		that variance was only allowable after the
9		scrubber was installed, if there was some
10		reason we could not meet the reduction
11		standards that were in the law.
12	Q.	So I guess the answer to my question is, no,
13		you never considered or discussed with anyone
14		
15	Α.	Well, again, it wasn't the Department of
16		Environmental Services that made the
17		decision; it was the legislature. So
18	Q.	Well, that's an interpretation of the law;
19		correct?
20	Α.	Well, it's the law is the law. I don't
21		think I don't think DES can go against the
22		law any more than we can, the difference
23		being that we were subject to, you know,
24		penalties under law that they might not be

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1		subjected to.
2	Q.	So I think the answer to my question is, no,
3		you never considered or discussed with anyone
4		asking DES for a variance; is that fair to
5		say?
6	A.	I'm trying to clarify what you mean by
7		"variance."
8	Q.	Do you want to take a look at the statute?
9	A.	Well, I told you what we said the statute
10		says. It is a variance it can find after
11		construction. So I don't know if you're
12		after construction and operation, we met all
13		the requirements, so there was no need to ask
14		the DES for a variance. So, no, we did not
15		ask them for a variance because we don't need
16		one.
17	Q.	No, but I'm asking, did you ever consider or
18		discuss with anyone and I'm not saying
19		after it was built. I'm saying at any time,
20		did you ever consider or discuss with anyone
21		asking DES for a variance? That's what I'm
22		asking.
23		MR. BERSAK: That was asked as
24		a data request, and he did respond to it.
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1 You have the answer. 2 MR. PATCH: And the answer is? 3 MR. BERSAK: We can go look through all the documents, if you want to 4 wait while I look through them. But I don't 5 know off the top of my head. But I do know 6 7 that we did -- we were asked, and we did 8 respond to it. MR. PATCH: So it sounds like 9 you're coaching the witness. I quess I'd 10 11 like an answer from the witness about what the answer to the question is. 12 MR. BERSAK: He doesn't know 13 14 every data request response that was given. 15 MR. PATCH: No, but I'm asking 16 his understanding. 17 Α. And you're using "variance" a different way than I'm using "variance." And I said 18 19 variance is not even a question to ask DES 20 until after construction. You created the 21 scenario where it's before construction. So 22 I can't answer your question. 23 BY MR. PATCH: 24 Well, I think you could answer the question, Q.

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1 but --I think the witness 2 MS. ROSS: 3 can answer the question, which is: Was a variance discussed during the course of 4 5 construction? And my answer is --6 Α. 7 MS. FRIGNOCA: Mr. Long, would 8 you please speak a little more slowly? My answer is, we didn't know if we needed a 9 Α. 10 variance until after the scrubber was in 11 operation. So there was nothing to discuss. BY MR. PATCH: 12 So I think the answer is no. 13 0. Would any or some of the environmental 14 15 and regulatory concerns behind the Clean Air 16 Act -- you know, reduction of mercury, 17 impacts on air quality, those kinds of things -- would any of those concerns have 18 been addressed or satisfied if PSNH had 19 20 exercised the sale option or the retirement 21 option? 22 Neither the sale or retirement option was Α. 23 anything that we pursued. 24 I don't think you -- you want me to repeat Q. SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		the question? Because it doesn't seem like
2		you answered it.
3	Α.	Sure.
4	Q.	Would any or some of the environmental and
5		regulatory concerns behind the Clean Air
6		Act such as, for example, bioaccumulation
7		of mercury in adjacent ecosystems, or impacts
8		on air and water quality would those have
9		been addressed or satisfied if PSNH had sold
10		or retired the plant?
11	Α.	And the plant continued to operate? When you
12		said sold or retired
13	Q.	Sold or retired.
14	Α.	If we were
15	Q.	Maybe they're different. Maybe the answer to
16		the question is different. I don't know.
17		I'm asking what your understanding is.
18	Α.	Well, if you closed down a power plant, which
19		I think is part of your question, and if we
20		were allowed to have done that, you know,
21		then it doesn't exist. So it's
22		(Court Reporter interjects.)
23	Α.	The power, the energy doesn't exist. So the
24		environmental compliance would be more

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1		site-related. So, yes. Could there have
2		been, you know, other things happening on
3		site-related environmental compliance for a
4		closed plant? Yes, there could be. In a
5		case of a transfer of ownership, presumably
6		environmental requirements would apply.
7		Still a regulated emissions source.
8	Q.	Assume that the project had been terminated,
9		for whatever reason a decision by PSNH, a
10		legislative decision some decision to
11		terminate the project before its completion,
12		in your opinion, would PSNH have been able to
13		recover on rates what it had spent up until
14		that time?
15	A.	Well, I don't know. I mean, I think that
16		would have been quite a legal discussion.
17	Q.	Okay. Well, I'm going to direct your
18		attention to TC-3-14, which I think has
19		already been handed out.
20		MS. GOLDWASSER: No. 13.
21	BY M	R. PATCH:
22	Q.	No. 13. And I'm going to direct your
23		attention to Page 8 of 31. And this is what
24		you told the legislature in March of '09.
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1	А.	Okay. I have it.
2	Q.	Okay. I'm looking at the fourth bullet.
3	Α.	Yeah.
4	Q.	And it says, "\$230 million (over half of the
5		cost to engineer and build the scrubber) has
6		been spent or contractually committed. The
7		cost will have to be recovered from PSNH
8		customers whether or not the scrubber
9		installation is completed."
10	Α.	Yes.
11	Q.	Was that your understanding of whether or not
12		PSNH would be able to recover in the event
13		that the project had been terminated early?
14	Α.	Yes. I mean, we believe we acted prudently,
15		and have and continue to act prudently.
16		So, yes, the cost will have to be recovered.
17		You know, would others oppose it? What would
18		happen? I don't know. That's a legal
19		question. But the cost would have to be
20		recovered. We still have the cost still
21		exists. And we acted prudently. Assuming
22		under your scenario, we acted prudently.
23	Q.	And so clearly, you would have approached the
24		PUC, at whatever that point in time would

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1		have been, and asked for recovery of whatever
2		costs you had incurred.
3	A.	I'm trying to understand the circumstances in
4		which that situation happened. But if, you
5		know, we couldn't comply with the law and had
6		to shut it down, but acted prudently up until
7		the time the law was changed, or, you know,
8		as long as and we felt that we have.
9		Certainly when this thing was written, we
10		felt that we had acted prudently. So, yes,
11		we believe that being a regulated utility
12		(Court Reporter interjects.)
13	A.	So we feel as a regulated utility we should
14		be allowed to recover all of our prudently
15		incurred costs.
16	Q.	This morning I think we had talked about what
17		was told to the legislative committee in June
18		of '08. And I just want to direct your
19		attention to a response. This is Staff 1-12,
20		and it's Page 27 of 28.
21		(Witness reviews document.)
22	Q.	And it says, "PSNH Legislative Update,
23		June 18, 2008. And the question that was
24		asked and to which this is a response said,
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1"Please provide copies of all reports to the2Legislative Oversight Committee on Electric3Restructuring and other persons pursuant to4the requirements of 125-0:13, IX." And this5response provides a one-page legislative6update, June 18th of 2008. And the only7reference I see in here to project cost is at8the very bottom, in the right-hand box. It9says, "Project costs will be updated with10review of major equipment bids." So I see11nothing in there about the increase to \$45712million.
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12 million.
13Do we have all the documents that were
14 provided to that Committee? Because that's
15 what we asked for. Is there something else
16 you know of?
17 A. Again, my name's not on that data response.
18 But there's nothing more that I know of.
19 (Long Deposition Exhibit 16 marked
20 for identification.)
21 Q. The Scrubber Law as passed provides that you
22 can only collect the cost of the scrubber
23 from default service customers. Obviously,
24 you're aware of that; correct?

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1	Α.	Yes.
2	Q.	And that's part of the mandate; is it not?
3	A.	Yes.
4	Q.	Could you please describe any and all efforts
5		that PSNH has undertaken to try to collect
6		those costs from all of their customers.
7	Α.	Talking about before the legislature?
8	Q.	I'm talking about before the legislature, the
9		PUC, anybody else, any and all times PSNH has
10		made any efforts to try to change the effect
11		of that provision. Again, it's part of the
12		mandate that says you can only recover from
13		default service customers.
14		Have you made any efforts to try to
15		change that? You suggested that to the
16		legislature. Have you suggested it to the
17		PUC?
18		MR. NEEDLEMAN: To the extent
19		that that calls for testimony that's beyond
20		the scope as the PUC ruled, I object to that
21		question.
22		MR. PATCH: I think it's very
23		relevant to the argument they continue to
24		make about it being a mandate, when say they
		SUISAN T PORTAS N H LCP/PDP

1were mandated, they were mandated, they were2mandated, and they didn't have any ability to3change the law or try to seek a change. And4yet, the answer to this question I think is5relevant because it goes to the fact that,6even though there was a mandate in the law,7there may very well have been efforts I'm8looking for the answer to the question9there may very well have been efforts to10change that. So I think it's very relevant,11and I'd like an answer.12MR. NEEDLEMAN: Well, now that13you've clarified, I do object, because based14on the order on the bottom of Page 5, it's15clearly beyond the scope.16MR. PATCH: I disagree. I17think it's very much within the scope.18MS. ROSS: I will sustain the19objection.20(Discussion off the record among21counsel for TransCanada.)22MR. PATCH: Okay. I think23that's all the questions we have. Thank you.24Thank you, Mr. Long.		
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	22	MR. PATCH: Okay. I think
24 Thank you, Mr. Long.	23	that's all the questions we have. Thank you.
	24	Thank you, Mr. Long.

1	MS. ROSS: So that's the end
2	of our first segment. And I would suggest
3	that we break early for lunch, because I
4	understand that one of the next sessions
5	requires a little additional preparation.
6	I've been asked if we could take a longer
7	lunch break. So that would mean we'd still
8	be back here at 1:45 for two,
9	hour-and-forty-five-minute sessions. We'll
10	see you at 1:45.
11	(Lunch recess taken at 12:10 p.m.)
12	MS. ROSS: So, just to address
13	the scheduling questions, we did break early
14	for lunch. And PSNH's attorneys pointed out
15	that, because the Commission ordered two
16	sessions in the morning and two in the
17	afternoon, that it was their position that we
18	should only have two questioners this
19	afternoon. And I do acknowledge that that's
20	how the order was structured. And having
21	broken early for lunch, I could have simply
22	ended the session this morning and started
23	the next one for the morning, but I didn't.
24	And so I checked with the two commissioners

1	who signed the order to see if I could get an
2	oral modification of the order in order to
3	accommodate the schedule this afternoon,
4	because we have three questioners who want to
5	question that is, OCA, Sierra Club and
6	CLF. And so I have gotten permission from
7	the Commissioners to do three sessions this
8	afternoon, but we will still end at 5:30. So
9	we'll just break up our time accordingly.
10	MR. BERSAK: PSNH is somewhat
11	dismayed by, again, another change in the
12	Commission's decisions. When we came here,
13	per the order of the Commission to produce
14	Gary Long, the Commission was very plain:
15	Two sessions in the morning, two in the
16	afternoon. The Commission was also plain, in
17	that it directs Sierra Club and CLF to
18	combine their discovery and
19	cross-examination. So now we're having
20	variations from both the order that was
21	issued ordering this deposition, as well as
22	the Commission's earlier orders regarding the
23	participation of the two environmental groups
24	in this. I suppose we have no recourse but

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1		to accept it. But we are unhappy with it.
2		MS. ROSS: And just so you
3		understand my thinking, this is not a
4		cross-examination. It is a deposition. And
5		I did check with the two groups, and they did
6		feel that it would be more effective for them
7		each to use their own questioner. And that's
8		why I asked the Commission if it would modify
9		the order to accommodate that.
10		Okay. With that, let's get
11		started with the OCA's questions.
12		MS. CHAMBERLIN: Thank you
13		very much.
14		EXAMINATION
15	BY M	S. CHAMBERLIN:
16	Q.	Good afternoon, Mr. Long.
17	Α.	Good afternoon.
18	Q.	I'm going to go into a little more detail on
19		some of the areas raised by Mr. Patch.
20		Back in 2007, PSNH hired a project
21		manager for the scrubber project. Is that a
22		standard practice for PSNH?
23	Α.	I believe you're referring to the
24		engineering/procurement/construction manager.
		SUSAN J. ROBIDAS, N.H. LCR/RPR

GARY LONG - 9/16/13

1		And it's the same practice we used in
2		constructing the Schiller wood plant.
3	Q.	Is there a threshold financial commitment
4		that says, We're not going to do this
5		in-house; we're going to hire a manager?
6	Α.	You could have an internal person doing that.
7		But given the size and complexity of the
8		project, because our internal staff had not
9		built a structure a scrubber before, we
10		clearly needed to get expertise in that area.
11	Q.	And just to be sure that we're talking about
12		the same group, that was Washington Group
13		that turned into URS. They just changed
14		their name at some point.
15	Α.	It was the Washington Group that we hired,
16		yes.
17	Q.	And how was that decision made, that you were
18		going to that PSNH, as a company, was
19		going to hire an outside expert?
20	Α.	It went through the strategic sourcing
21		process that we talked about a little bit
22		this morning. The reason was what I had
23		briefly just stated with you: A major
24		project looking for somebody who had

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1		experience with engineering and construction
2		of scrubber projects.
3	Q.	When you talk about the "strategic sourcing
4		process," was this a decision that you as the
5		president made, Look, we really need to get
6		an outside expert for this, or is this some
7		sort of committee that made the decision?
8	Α.	The actual management of the construction was
9		a delegated responsibility to the
10		vice-president of generation, who reported to
11		me. And he established a project structure,
12		a project team, which I concurred with, I
13		supported.
14	Q.	And is that
15	Α.	He was the officer in charge, so to speak.
16	Q.	And is that person William Smagula?
17	Α.	No, that's John MacDonald.
18	Q.	John MacDonald. Okay.
19		And once the project manager was hired,
20		how did they communicate to you? How did you
21		get information from them about what they
22		were doing, and how did you communicate to
23		them?
24	Α.	There wasn't a direct communication. Again,
	u	

1		it was delegated. It was to be managed by
2		the project team, the generation team that
3		John MacDonald had set up. And John would,
4		you know, report to me as necessary to keep
5		me informed. But my involvement was not a
6		day-to-day, was not a project management
7		involvement.
8	Q.	And was it his decision as to how often he
9		would report to you, or did you have a
10		regular schedule?
11	Α.	It was as needed. He would inform me. I
12		would I see him frequently. So it was,
13		you know, frequent contact as a direct
14		report.
15	Q.	So you may ask him questions when you saw
16		him, and he would respond
17	Α.	Yes.
18	Q.	on a continual basis, but maybe not
19		formally every day.
20	Α.	Not formally every day. Orally, typically.
21		You know, the documents that were prepared
22		for, like the RaCC we talked about this
23		morning, he would obviously show those to me
24		and we'd talk about them.

GARY LONG - 9/16/13

1	Q.	And when it went out when URS was putting
2		construction projects out to bid, did they
3		create the RFP themselves, or was there an NU
4		or PSNH RFP that was given to them?
5	Α.	It was a team effort involving our EPC
6		contractor, the project team. We had a
7		project team that was over and above that EPC
8		contractor. It was our management that was
9		done in association with our service
10		providers, our procurement department, our
11		legal department who did our contracts
12		routinely for Northeast Utilities. So it was
13		a team effort.
14	Q.	And what does EPC stand for?
15	A.	Engineering, procurement and construction.
16	Q.	And that was a team of people? That was the
17		team that you just referenced that John
18	Α.	EPC was the Washington Group. But you asked
19		about actual letting contracts, did EPC do it
20		by themselves. The answer is no. These PSNH
21		contracts were reviewed internally by legal,
22		our purchasing or procurement departments, as
23		well as the generation team. It was a team
24		effort in evaluation of the requirements, the

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1		specifications, the bidders.
2	Q.	Did you formally approve the contract when
3		it when the team work was done?
4	Α.	John would brief me on the results of their
5		analysis, who the bidders were, how they
6		assessed the bidders. And then in some cases
7		I would I may have signed a contract, in
8		other cases he may have, depending upon the
9		level of commitment. If it was beyond our
10		authorization, then it would have been signed
11		by somebody else.
12	Q.	And if you had a specific concern, something
13		specific you wanted to put in the RFP, how
14		would you communicate that?
15	A.	I would talk to John about it. But I didn't.
16		It was they were the ones who managed the
17		project.
18	Q.	All right. So you don't recall a time when
19		you had a specific concern that you asked
20		them, "When you do this RFP, make sure they
21		have this experience," or anything like that?
22	Α.	No. The project team was far more
23		experienced in construction management than I
24		was. So it was a delegated responsibility.

1	Q.	Okay. Now, at some point the prices came in
2		higher. The responses to the construction
3		RFPs and the contracts came in higher than
4		you had originally anticipated. Do you
5		recall how you found out about that?
6	Α.	I found out about it from John MacDonald.
7	Q.	And do you recall, was it a single contract,
8		or did he wait until several contracts came
9		in and there was a group of them? Do you
10		recall the specifics of what he told you?
11	Α.	I don't recall the specifics. But it was,
12		you know, after, as was indicated this
13		morning, the engineering was done, the
14		specification was done, the research with the
15		potential vendors, the discussions that
16		occurred, you know, when they had pretty good
17		indication.
18	Q.	And was it a surprise to you?
19	Α.	It was higher than I expected.
20	Q.	And was it a something that you
21		immediately said, "Well, now what are we
22		going to do?" Did you have any sort of gut
23		reaction to these numbers?
24	Α.	"Tell me why it went up. Give me some
1		

1		background on this. We need to share this
2		information with others."
3	Q.	All right. Was there any negotiation that
4		you are aware of between URS and the bidders?
5		I mean, did the contract go out, "Here's what
6		we want you to do. It's a price contract"?
7		Or did it go out, "Here's approximately what
8		we're thinking. We want you to submit and
9		meet these general terms"?
10	Α.	Very specific as to what the equipment had to
11		do. Performance standards were included in
12		the contract. So it wasn't general at all.
13		It was very, very specific. And the
14		discussions would be with URS or Washington
15		Group, but it also could be with our
16		purchasing department. It could be also with
17		our own project team. I mean, it was each
18		of them had to be satisfied that they had the
19		information they needed before they could
20		complete the evaluation.
21	Q.	So, do you believe you were comparing apples
22		to apples when they got the information back?
23	A.	Oh, absolutely. I mean, we had taken great
24		steps, knowing that this was a large project,

1		to be very prudent in every step of the way.
2	Q.	Did you when you found out the prices were
3		high, do you remember approximately what
4		time? Was this in 2008, 2007?
5	Α.	You know, I mean, looking at the documents, I
6		think it was in 2008 is when we went to the
7		RaCC Committee with the 457. So it would
8		have been sometime a little bit before that
9		would be one of the first indications I would
10		have had.
11	Q.	So the first reporting you did was to the
12		RaCC Committee?
13	Α.	I'm sure I informed my boss before I went to
14		the committee. But, you know, we would have
15		reported, you know, what our estimates were
16		and as we prepared for the more formal
17		presentations to the committee.
18	Q.	All right. In response to that data, you
19		said you had a response that you were going
20		to do something about it, find out where the
21		debt where the numbers came from.
22		Anything else once you had found out where
23		the numbers came from?
24	Α.	Well, as I said, it was disclosure. It was
		CHEAN I DODIDAG N H ICD/DDD

1		to understand why, to understand the
2		legitimacy of the new estimate, the reasons.
3		You know, and they're all good reasons as to
4		why it changed. You know, we've already
5		talked about how the market was changing
6		around us. So that was all information that
7		was shared with me as to what were the
8		drivers. And, you know, that as I said,
9		understanding that was part of it, and then
10		disclosing it so that others who were, you
11		know, probably the last number they'd seen
12		was 250 was to make sure everybody saw the
13		new numbers.
14	Q.	And once you had those new numbers, did you
15		change your process at all going forward with
16		the project?
17	Α.	Not the construction process. I mean, the
18		construction process and the construction
19		management process is what gave us the
20		information that we needed in order to make
21		what we call a final estimate. So, at that
22		point, we were pretty confident of the
23		estimate. And so now it was just a matter of
24		managing within that, below that if we could.

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1		As I stated earlier, we were able to
2		manage to beat that budget estimate.
3	Q.	Were you at one point you talked about
4		having a certain amount of dollar amount
5		under contract. What does that mean to you,
6		"under contract"?
7	Α.	When the project was broken up into its major
8		components, that would involve different
9		vendors, different specifications and
10		requirements. We called them "islands of
11		work." And so the idea and they had
12		different time frames for which they had to
13		be started. And so it would be doing the
14		detailed specifications, going out for a bid,
15		having those discussions with the bidders,
16		trying to negotiate the price down, trying to
17		negotiate terms for performance. That's
18		really the process.
19	Q.	And as money went out to these various
20		subcontractors or contractors, was there a
21		record kept of dollars spent?
22	Α.	Absolutely.
23	Q.	And is that record kept on a daily basis, a
24		weekly basis?
ľ		SUSAN J. ROBIDAS, N.H. LCR/RPR

 A. Again, you know, this project, you know, was one that we took great efforts to make sure we documented every decision every step of the way, the procurement decisions. So there's an extensive amount of project documentation. The PUC's consultant, Jacobs, has reviewed those. Very, very thorough set of documents. Q. Some of the contracts I reviewed referred to software called "Primavera" software. Are you familiar with that? A. No. Q. Are you familiar with the fact that there is software that keeps a record of the contractor costs? A. Well, I certainly would anticipate that there are a lot of tools, project management tools used. I personally don't use those tools, so I'm not familiar with them. Q. All right. Now, Attorney Patch mentioned the PowerAdvocates' report, which was in 2008, I believe. What triggered that report? Why was there one done? A. What was that 			
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23 was there one done?	21		PowerAdvocates' report, which was in 2008, I
	22		believe. What triggered that report? Why
24 A. What was that	23		was there one done?
	24	Α.	What was that

GARY LONG - 9/16/13

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1	Q.	It's Long No. 7.
2		(Witness reviews document.)
3	A.	You know, this is our advocate's the
4		summary. They were asked to look at
5		(Court Reporter interjects.)
6	Α.	to look at the project cost estimate for
7		Merrimack Station. And their report
8		addresses some site-specific factors and
9		other things that's happened in the industry
10		and other projects of similar type.
11	Q.	Was this I didn't mean to interrupt you
12		Were you finished?
13	Α.	Yes.
14	Q.	Was this something that URS asked to be done,
15		or is this something that you asked to be
16		done, or some other entity?
17	Α.	I don't know specifically. Again, these
18		responses this response is Bill Smagula.
19		But most everything in the project was
20		collaborative. And, yeah, I don't know. I
21		can't tell you which specific individual.
22		But, you know, looking for expertise to help
23		us understand the impact of the project. So
24		part of our prudent management of the project
ı		

1		is to understand things as we go, and this is
2		just part of that understanding.
3	Q.	So you had these costs, and you went forward
4		and looked at what caused the costs, and
5		that's what initiated this report? Is that a
6		fair summary?
7	Α.	Yeah, that's fair enough. As I indicated
8		earlier, we were in a compliance mode.
9		Again, you know, we were implementing a
10		decision made by the state. And, you know,
11		so in implementing that decision, we just,
12		you know, wanted to understand matters as we
13		proceeded, and we wanted to manage the
14		construction as best we could.
15	Q.	And the next step, or the next approximate
16		step, was reporting to the risk management
17		committee. Is that correct?
18	Α.	Are you saying once the estimate was known?
19	Q.	Once you had the estimate, right, and you had
20		said you had to make you had to notify
21		different parties, different entities, and
22		one of those was risk management committee.
23		Was it an internal step at that point?
24	Α.	That was, I think, one of the steps. As I

1		indicated this morning, part of the NU
2		governance process is to give periodic
3		reports to the Risk and Capital Committee,
4		you know, certainly when there's a
5		significant change. So that was one step, if
6		you want to call it "steps." They're not
7		necessarily sequential. Of course,
8		ultimately another one was to disclose this
9		to the financial committee community
10		through the Securities Exchange Committee
11		reports. Another step, of course, is letting
12		the Public Utilities Commission have
13		information on this, and then ultimately, of
14		course, the legislature knowing what the new
15		estimate was.
16	Q.	Now, you raised the cost estimate with the
17		risk management committee. Was there
18		anything else that you raised in front of
19		them at this time?
20	Α.	I'm trying to get at use your terminology.
21		But the risk committee is construction
22		risks would have been a part of the
23		reporting. They're interested in what can
24		affect construction, what can affect the

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1		construction schedule, quality. You know, so
2		there are other you know, and reporting to
3		the RaCC. I don't remember the exact dates.
4		But we would have looked at other risk
5		factors associated with a successful major
6		project.
7	Q.	And these folks are all internal NU people?
8		This is not some outside group; is that
9		correct?
10	Α.	Correct.
11	Q.	And do they have separate access to
12		information? For example: If they had a
13		concern that you had not brought up, would
14		they then ask you about it?
15	Α.	Yes, that would be part of their role, if
16		they felt that we weren't if we had missed
17		something. They could always direct us to go
18		back and report back to them. They could
19		always ask for their own analysis, I suppose.
20		But it was part of the governance of NU. And
21		they could have taken whatever other steps
22		they wanted or directed us to get more
23		information.
24		Now, we did you know, in cases we'd

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1		go before them, they asked us a couple
2		follow-up questions, we would provide
3		follow-up information.
4	Q.	And did you do a cost-benefit analysis at
5		this point?
6	Α.	I don't know about cost benefit because
7		that's something you would do if you were
8		determining public interest, which was
9		already determined by the state. So there
10		are many benefits that were not included in
11		the report to the RaCC. The RaCC was
12		primarily focused on financial requirements
13		for the project and progress on the project.
14		So, typically, you know, RaCC doesn't look at
15		other benefits to the state, whether it be
16		jobs or property taxes or security of energy
17		supply or fuel diversity. We might have
18		pointed out some of those things to them, but
19		that wasn't their primary focus. Their
20		primary focus was what were the capital
21		requirements for the project, and is it being
22		well managed and making progress on meeting
23		its goals.
24	Q.	So they did not get a they did not ask for

1		and you did not present a cost-benefit
2		analysis?
3	Α.	There were economic analyses that had
4		obviously been provided. But, you know, it
5		depends on how you want to define "cost
6		benefits." We did not do a public interest
7		determination. That had already been done by
8		the legislature. We did do in this time
9		frame, we did ask for economic analysis of
10		what the impact would be of Merrimack Station
11		on the community. So we did economic
12		analyses. Those were shared publicly. But
13		as far as, you know, trying to pull it all
14		together in some kind of public interest
15		conclusion, we didn't do that. That was
16		already done. I mean, that was already
17		that decision was already made by the
18		legislature.
19	Q.	I'm not sure I understand what you mean by
20		"public interest." When you were would
21		you say a cost benefit and public interest is
22		the exact same thing?
23	Α.	No, not necessarily. What I'm trying to
24		indicate to you is there are other than
	L	SUSAN T POBIDAS NH LCP/PPP

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1 financial considerations when one decides This is not a situation 2 public interest. where we needed to make a filing with the PUC 3 listing all the benefits and cost of a 4 project and ask for their permission or their 5 approval to proceed. 6 That's what we did for 7 the Schiller wood plant. We made a filing with the PUC. We talked about the energy 8 benefits, the jobs benefits, the tax 9 benefits. You talk about all the benefits 10 11 when you ask the Commission to make a public interest finding. As I indicated this 12 morning, this is unique. I've never seen it 13 14 That public interest finding was before. 15 already made. It was already made by the 16 legislature. And that's not often -- that's 17 the first time I've seen it happen. So it wasn't the PUC who we could go to and ask for 18 19 a public interest finding, nor was it our own 20 management who we could go to and say make a 21 cost benefit, because basically that decision 22 was already made by the legislature, and they 23 already found the installation of a scrubber 24 to be a reasonable cost. So it was not in

1the normal decision-making process that other2projects at PSNH would have been subjected3to.4Q. So, no, you didn't do a cost-benefit analysis5for the risk management committee for the6reasons you've just described.7A. Well, you know, again, we provided economic8analysis. We listed the benefits. But did9we do a formal study where we pulled it all10together and weighted it or analyzed it? No,11we didn't do that. It wasn't the RaCC's role12or authority to decide cost benefit. It13might be on other projects, but not on this14project, because the legislature had already15made that decision. It wasn't within the16RaCC's authority to make that decision.17Q. Now, Attorney Patch went over PSNH and18whether or not you monitored fuel markets.19Did fuel market information just a20couple questions get communicated to you21know it wasn't your area. So if there was23somebody monitoring fuel markets, how would24that information get communicated to you?			
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24 that information get communicated to you?	23		somebody monitoring fuel markets, how would
	24		that information get communicated to you?

1	Α.	Word-of-mouth indication of what the energy
2		prices in New England were on a daily basis,
3		indication of what it would cost us to buy
4		power in the next six months or four months
5		or one week. I mean, those are all
6		indicators of natural gas prices, which are
7		the major driver of energy prices in New
8		England. So, yes, I would have a general
9		understanding of whether they went up or
10		down, or whether, you know, they were low or
11		high. And, you know, you can look at the ISO
12		Web site to see that from time to time, where
13		some of the bid prices ended up clearing
14		prices, I should say. But as I said earlier,
15		I didn't do the forecast. But, yes, I the
16		very volatile situation changed often, and I
17		was generally aware when it changed.
18	Q.	Generally aware. Was it part of your routine
19		to check the morning report at the ISO and
20		see what the prices were?
21	А.	No.
22	Q.	Okay. In 2008, there was a Brattle Group
23		report. What triggered that report?
24	A.	Again, I think that's the one we talked about
l		SUSAN T POBIDAS N H LCR/RPR

		17:
1		this morning.
2	Q.	Yes. That's Long No. 6.
3	A.	Thank you. We didn't the Brattle Group,
4		as indicated this morning, was a group
5		enlisted by Connecticut Light & Power for
6		doing studies as part of their regulatory
7		compliance in Connecticut.
8	Q.	And would you have become aware of this
9		report, you know, here in New Hampshire? Is
10		there somebody who might have brought it to
11		your attention?
12	Α.	Yes.
13	Q.	And did they bring it to your attention?
14	Α.	I was generally aware that Connecticut was
15		doing these studies. I would periodically,
16		as part of a group staff meeting, hear of the
17		work that was being done in Connecticut. So
18		I was aware that the study exists. I did not
19		manage it nor oversee it in any way.
20	Q.	So there was nothing in this study that you
21		thought might change your approach to what
22		you were doing in New Hampshire. You didn't
23		read this and go, "Wow, we've got to do
24		something different now."

1	Α.	Well, no, because it didn't change the
2		compliance plan that we had, you know,
3		complying with the law. No, it did not
4		change that. It gave us information about
5		what was happening in New England. It gave
6		us one indication as a view of one consultant
7		as to where things were going. But it wasn't
8		enlisted as a PSNH study or a study of the
9		scrubber. It was much broader than that.
10	Q.	And from time to time, you made reports to
11		the legislature and the PUC. The first one,
12		I believe, was the September 2nd, 2008,
13		report. You were responding to a Commission
14		directive to file that report; is that
15		correct?
16	Α.	Yeah. Yes, I believe there was a request, a
17		direction from the Commission to provide them
18		with a report, and we did do that.
19	Q.	And is it fair to say that your reports to
20		the Commission are more detailed than a
21		report to the legislature?
22	Α.	Typically.
23	Q.	And why would that be?
24	Α.	The Commission different roles. The
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1		legislature has more of a policy role. The
2		Commission is more of oversight regulatory
3		review. So the Commission has expertise on
4		its staff. And, you know, their role is to
5		look into things in more detail generally, I
6		would say.
7	Q.	And how do you decide well, looking at
8		Long 13, which is the 2009 legislative
9		presentation, how do you decide what goes
10		into a report to the legislature?
11	Α.	Whatever we might think is the issues that
12		the legislature is considering, whatever is
13		their interest that directly relates to us.
14		It's not prescriptive. I mean, the
15		Commission can be very prescriptive in what
16		it wants from us. Sometimes the legislature
17		will be, and oftentimes it's not.
18	Q.	So you would try to anticipate what you think
19		would be useful for them to know and give it
20		to them.
21	Α.	And also to express our position on issues.
22	Q.	Okay. And all right. We went through
23		that.
24		In this report, was there I'm
		SUSAN J. ROBIDAS, N.H. LCR/RPR

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1		referring to this report because it's here in
2		front of us. But if there was another report
3		or opportunity, let me know. But did you
4		include any information on customer
5		migration?
6	Α.	Not highly discussed or occurring at that
7		time.
8		(Court Reporter interjects.)
9	Q.	And is there information on SO2 allowance
10		markets?
11		(Witness reviews document.)
12	Α.	Not sure if there's a question pending or
13	Q.	Oh, yeah. I was waiting. Did you put any
14		information in here did you give any
15		information to the legislature on SO2
16		allowance markets in the 2009 legislative
17		presentation that is Long Exhibit No. 13?
18	A.	I don't see it in this exhibit. But I
19		couldn't say that we hadn't provided it in
20		some other means or in some other discussion.
21		I don't see it in this particular one which
22		is talking about the reductions, the project,
23		the project status, the cost, what were some
24		of the drivers of the increased costs.

1	Q.	Now, as the project was going on and costs
2		were incurred and under contract, could you
3		at any given day say how much you had spent
4		and how much you were committed to spend?
5	A.	We had the thing that I'm struggling with
6		is you said "any day," because there's always
7		invoices in play, there's always work being
8		done. So it was a very dynamic situation.
9		But, you know, certainly at any month or any
10		week we had a report and accounting of our
11		expenditures to date. But it was an ongoing
12		process. In other words, as soon as your
13		report is done, you're obviously continuing
14		your expenditures. Yeah, but we had a very
15		good tracking of our costs as we went.
16	Q.	Because it is many-faceted and lots of things
17		changing all the time, and it's hard to keep
18		track of. But you would say you did keep
19		track of
20	А.	Oh, yes. Had the project team whose
21		assignment was to do that.
22	Q.	All right. So when I asked about the
23		Primavera software, you're saying that's
24		not you don't know about that level of
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	detail?
А.	No. You know, I personally have never used
	that tool. So I've heard the name before,
	but I never used it. I can't tell you what
	it really does.
Q.	And when you found out that there were
	changes in the costs, did you put anything
	new in the contracts with your vendors to try
	to respond to that?
Α.	Well, the cost estimates were a product of
	talking with vendors and working out
	contracts. So, yes, it was all a very
	dynamic process. And that's as a result of
	that process, in large degree, and the
	detailed specification is what gave us that
	cost benefit. So it wasn't like you did a
	cost benefit and then the contracts. The
	contracts is what a vehicle to help us
	understand what the costs were, because we
	were managing fixed-price contracts. So we
	wanted to get as much definition as we could
	before we actually spent the money.
Q.	So that was in response to the cost
	escalating; you made fixed-price contracts.
	Q.

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1	Α.	That was our intent all along. But to do
2		that, you have to get into detailed
3		specifications and extensive conversations
4		and negotiations with vendors. So, yes, we
5		had extensive discussions with vendors. The
6		result of that process is what allowed us to
7		make the final project cost estimate.
8	Q.	So, some contracts were fixed-price contracts
9		and some were not? Is that fair to say?
10	A.	Yes.
11	Q.	So the earlier ones were not. But then the
12		later ones, when the prices were escalated,
13		were.
14	A.	The ones that involved major equipment,
15		manufactured design, would tend to be a
16		fixed-price contract, you know, where we
17		wanted assurance. Where we would tend to not
18		have fixed-price contracts and be willing to
19		leave it to be determined along the way were
20		things that were much more controllable and
21		predictable. It could be, you know, work
22		that you know you could get workers locally
23		to do as opposed to very specialized work in
24		which you didn't have control over it. So it

1		was depending on the nature of the work and
2		the availability to do it in a
3		non-specialized way that determined whether
4		you went with fixed price or you could manage
5		it as you go.
6	Q.	All right. So the fixed-price contracts were
7		not in response to the price escalations?
8		That was just in response to you had a little
9		more information?
10	Α.	Well, no. It's regardless of price. A
11		fixed-price contract is a technique used in
12		project management for large projects so that
13		you don't get surprised along the way and so
14		you can manage costs, as opposed to
15		open-ended contracts that will keep
16		escalating, as a highway project. You've
17		heard about many public projects where the
18		costs have increased. So fixed price is a
19		way that, as you go into it, you have a
20		pretty high degree of confidence that your
21		estimate is correct. So when a 457 estimate
22		was completed, we had a very high level of
23		confidence in it, as opposed to the \$250
24		million estimate which we had very little

1		confidence in it because it was not based on
2		detailed specifications, design discussions
3		with vendors, et cetera. So the critical
4		parts, like the actual manufacture of the
5		scrubber vessel, for instance, would be under
6		a fixed-price contract because it's a
7		one-of-a-kind for our unit, and you want to
8		make sure it was very well defined as to the
9		cost and its performance requirements, as an
10		example.
11	Q.	Okay. Did you communicate to URS that you
12		had a \$250 million estimate at any time?
13	Α.	Well, they came in the picture later than
14		there was it was Lundy who did the 250
15		estimate. So I can't imagine Washington
16		Group not being aware of it.
17	Q.	And were they given an instruction that they
18		were trying to meet this \$250 million [sic]
19		cost figure?
20	Α.	I would say our desire all along was to get
21		the lowest cost we could in the time frame
22		that we were, you know, ordered to do. So,
23		yes, I mean, Washington Group were there to
24		help manage costs. They were there to help

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1		get the lowest cost. They were there to help
2		us negotiate and work with vendors to get the
3		lowest cost. That was part of their charge.
4	Q.	Was the \$250 million, was it a target, or was
5		it simply an estimate?
6	Α.	It was, you know, early in the process. It
7		was the best number available at the time.
8		It was as I said, it was sort of generic,
9		based on different time frames. And we
10		talked about all the things that changed
11		since then. But, you know, as a
12		site-specific requirement, it was not a
13		sulfur-reduction scrubber; it was a mercury-
14		reduction scrubber. So it required a lot of
15		site-specific definitions, specifications,
16		and then, you know, finding vendors who could
17		meet those specifications. And all of that
18		was not available when the \$250 million
19		number was estimated.
20	Q.	Did you talk to the legislature about
21		hydraulic fracturing at all?
22	Α.	I don't recall there being any discussions on
23		hydraulic fracturing.
24	Q.	Do you recall being aware of the technology
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1		at any particular time?
2	A.	It was, I think, relatively new information
3		for me personally because I'm not in the
4		natural gas business.
5	Q.	Do you remember when you found out about it?
6	Α.	Oh, no. But it was I mean, I've been with
7		the company for 37 years. So I'd say it
8		would be recent within that schedule of time.
9	Q.	But it wasn't it's not it wasn't
10		forefront in your mind while you were working
11		on this project.
12	Α.	No.
13	Q.	Okay. Let me just check.
14		(Pause in proceedings)
15		MS. CHAMBERLIN: That's all I
16		have.
17		MS. ROSS: Thank you. Who is
18		next, please?
19		MS. CHAMBERLIN: Thank you
20		very much.
21		THE WITNESS: Thank you.
22		(Pause in proceedings)
23		
24		
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1		EXAMINATION
2	BY M	IS. FRIGNOCA:
3	Q.	Good afternoon, Mr. Long.
4	Α.	Good afternoon.
5	Q.	My name is Ivy Frignoca, and I'm an attorney
6		for the Conservation Law Foundation. I know
7		you've been answering questions all day. I
8		will try to make this as quick as possible.
9		If you don't understand my question, will you
10		let me know, and I'll rephrase it?
11	A.	Yes.
12	Q.	Okay. I've been listening to a lot of the
13		answers that you've given, and you have used
14		the words "very prudent," "prudency" and
15		"prudent management." And I was wondering if
16		you would tell me what you mean by "prudent
17		management." And I'm speaking in your role
18		with PSNH.
19	Α.	Well, it's never in hindsight, first of all.
20		It's actions taken by management at the time,
21		given the information the management had
22		available. Oftentimes associated with the
23		term "good utility practice."
24	Q.	Okay. And when you gave me that definition,

1		are you talking specifically in terms of
2		prudent management with respect to an
3		improvement, like the scrubber?
4	А.	In the context of the subject at hand, I'm
5		talking about compliance with the mandated,
6		and within that is the installation and
7		management, construction management of a
8		scrubber.
9	Q.	Okay. Let me backtrack then.
10		Prior to being involved with the
11		scrubber project, had you been involved with
12		other big projects like the scrubber at PSNH?
13	Α.	The answer is yes. It's not how my career
14		path went at PSNH. But a project that we had
15		completed in 2006 was our Schiller wood
16		project. And that was a \$75 million project
17		that was, you know, quite, you know, in our
18		mind, challenging and unique. And I was
19		familiar with how our team had managed that
20		construction.
21	Q.	And in the context of the Schiller project,
22		how would you define "prudent management"?
23	Α.	Same way that I just defined it.
24	Q.	Okay. So what were some of the aspects that
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1		you looked at to prudently manage the
2		Schiller project?
3	A.	We talked a lot with the OCA about contract
4		management. So that would be an aspect of
5		it.
6	Q.	Did you review costs?
7	А.	It was something that was pre-approved by the
8		Commission, as opposed to the scrubber. So
9		we went to the Commission and had a cost
10		estimate of \$75 million and lined up
11		contracts along that way. And so we felt we
12		could do it for \$75 million if we got timely
13		approval.
14	Q.	And were you able to complete that project
15		for \$75 million?
16	Α.	Yes.
17	Q.	So in that case you had a budget of
18		\$75 million, and you stayed with the budget?
19	Α.	Yes. Again, it included fixed-price
20		contracts, as we talked about, with respect
21		to our management of the scrubber project.
22	Q.	Okay.
23	Α.	And we were found to be prudent, and those
24		costs are being recovered.

		10
1		(Court Reporter interjects.)
2	Q.	You have mentioned that with respect to the
3		scrubber project, that you had a project
4		management team put together?
5	Α.	Yes.
6	Q.	Who was on your project management team?
7	Α.	The officer/sponsor was John MacDonald. Bill
8		Smagula was his next in line in charge. We
9		had full-time people involved. But the lead
10		on that was an engineer named Mike Hitchko,
11		who has very extensive experience inside and
12		outside the company of managing construction
13		projects. He's also the manager who managed
14		our Schiller project.
15	Q.	Okay. And was anybody on that management
16		team assigned to look at the economics?
17	A.	It was the cost, certainly the cost of the
18		project, and to track the costs and manage
19		the costs. They weren't, you know, the ones
20		who made the decision to do the project. So
21		their charge was to manage the construction
22		of the project.
23	Q.	You had mentioned during your testimony
24		earlier in the morning that some of your
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1		responsibilities or the biggest
2		responsibility was to make sure that you were
3		providing reliable energy to customers at a
4		reasonable rate. Is that correct?
5	Α.	That's correct. And, you know, what I often
6		say and what I missed on that one, you know,
7		there's also at a in a way that the public
8		wants an environmental compliance. I say
9		that because, more so than in the past, the
10		public is interested in the source of power
11		in addition to it being reliable.
12	Q.	Okay. With that caveat, it's still an
13		important part of prudent management would be
14		to provide reliable energy to consumers at a
15		reasonable rate.
16	Α.	Yes. Again, that's generically true. That's
17		our main mission. In the case of the
18		scrubber, our prudent management was a
19		compliance setting, not a decisional setting.
20		So in that setting, we were to prudently
21		implement and comply with the mandate by the
22		state. So it wasn't the same as
23	Q.	Okay. Let me
24	Α.	what we'd expect for the Schiller project

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1		or another project that did not have a
2		mandate.
3	Q.	Okay. So let me go back then. The question
4		that I had asked was: Is part of prudent
5		management to assure that you're providing
6		reasonable energy or power to customers at
7		a or reliable energy at a reasonable rate?
8		And you said yes and then went on to explain
9		the caveat for the scrubber.
10	Α.	Yes, because how do you define "reasonable"
11		in this case? And in this case, the
12		legislature had already said that the
13		installation of a scrubber is at reasonable
14		cost. So that public interest determination
15		was already made, you know. It wasn't, you
16		know, something that PSNH's role in the
17		scrubber was to implement that finding and
18		those decisions by the legislature. And
19		that's a very unique situation that didn't
20		exist that doesn't exist for any other
21		project that I've seen in my 37 years.
22	Q.	I just want to clarify. Is it your testimony
23		to me that the legislature determined the
24		cost was reasonable?

190 1 Α. Yes. Do you recall testifying before the 2 0. legislature and suggesting to them that 3 whether the cost was reasonable was the role 4 of the Public Utilities Commission? 5 6 Α. No. You've read that wrong. What I said --7 Excuse me. 0. 8 Α. -- before the legislature was -- I was referring to what I've said several times 9 today. The Commission has authority over our 10 11 prudent management action and implementing and complying with the law, which includes 12 construction. Does not include the decision 13 14 to actually install the scrubber. That was 15 not within our purview. 16 (Long Deposition Exhibit 17 marked for identification.) 17 I'm showing you what has been marked as 18 Q. Deposition Exhibit 17. 19 20 MS. FRIGNOCA: And just for the record, this is Attachment B. 21 It's dated 22 March 13, 2009. 23 BY MS. FRIGNOCA: 24 And this says, "The Senate Committee on Q.

1		Energy, Environment and Economic Development
2		held a hearing on the following, SB 152." Do
3		you agree that that's what this exhibit is?
4	Α.	Yes.
5	Q.	Okay.
6		MS. FRIGNOCA: Would you
7		please read back the last answer? Thank you.
8		(Record read back as requested.)
9	BY N	IS. FRIGNOCA:
10	Q.	So the decision to install the scrubber,
11		you're talking about that legislative
12		mandate. But my question to you was relating
13		more to the cost of complying. And I would
14		like to refer you to Page 33 of Exhibit 17.
15		And my question to you was more in regard to
16		that you understood that the PUC would be
17		reviewing whether the costs associated with
18		the scrubber were prudent, not just the
19		installation. And your testimony at the
20		bottom of the second paragraph and you can
21		tell me if I'm reading this wrong is, "But
22		that's not you know, what we're trying to
23		do is to have the lowest-cost power that we
24		can for the benefit of customers. But if

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1		people think that we're out of line, they
2		have recourse. They have recourse through
3		prudency review, and they have recourse by,
4		they can make a choice for a different power
5		supplier." Did I read that accurately?
6	Α.	Yes.
7	Q.	Was that your testimony at that time?
8	Α.	Yes. And what I was describing as a prudency
9		review was the prudency of complying
10	Q.	Excuse me. Let me
11	Α.	with the law.
12	Q.	There's no question pending.
13		MR. NEEDLEMAN: Well,
14		except I'm going to object for a minute.
15		He should be entitled to complete his answer.
16		MS. FRIGNOCA: His answer was
17		a "Yes" or "No." I asked him if that was his
18		testimony at the time. And I'm about to ask
19		another question.
20		MR. NEEDLEMAN: You can frame
21		the questions however you want, but he's
22		entitled to provide an answer to the question
23		you asked.
24		MS. FRIGNOCA: I guess what
		CHEAN T DODTDAG N H I CD / DDD

1		I'm looking for is a ruling on having the
2		witness answer the question.
3		MS. ROSS: I think it would be
4		helpful if Gary could answer the question
5		without a lot of elaboration so that we can
6		get through this fairly quickly.
7		MS. FRIGNOCA: Thank you.
8	BY M	IS. FRIGNOCA:
9	Q.	So you agree that that's your testimony at
10		that time?
11	Α.	As I said, the reference to "prudency" is
12	Q.	Is that a "Yes" or "No"?
13	Α.	That's what it says here. This isn't a
14		this is a statement. I don't know if I'd
15		call it testimony.
16	Q.	Okay. And is that would that be your
17		testimony today? Do you still agree that
18		customers have recourse if they feel the
19		costs of the scrubber are too high and that
20		they can challenge it through a prudency
21		review or migrate to a different power
22		supplier?
23	Α.	No, I don't agree with your statement.
24	Q.	No, I'm not asking you to agree with my
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1		statement. I'm asking you to agree with your
2		statement.
3	Α.	Well, your statement isn't what this says.
4	Q.	Okay. This says they have recourse through a
5		prudency review. Do you agree that customers
6		have recourse of your decision through a
7		prudency review?
8	Α.	Okay. If you want me to explain, I can.
9	Q.	Do you agree that they have recourse through
10		a prudency review?
11	Α.	They're two different concepts in that
12		sentence. One concept is under customer
13		choice and state law, customers can choose a
14		supplier. That's one concept. The other
15		concept in that statement is a prudent
16		construction compliance of the scrubber. And
17		that's what the Commission has review on, and
18		that is what our obligation is.
19	Q.	Okay. So you agree, then, that the
20		Commission has an obligation to review the
21		prudency.
22	Α.	Of construction and compliance.
23	Q.	Only of construction and compliance?
24	Α.	Yes.
ļ		SUSAN J. ROBIDAS, N.H. LCR/RPR

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 Q. That's different than what this says here. A. Not to me. Q. And you agree that customers can make a choice to migrate to a different power supplier? A. Yes. Q. So when you were reviewing the scrubber project, did you take into account migration rates? 			
 Q. And you agree that customers can make a choice to migrate to a different power supplier? A. Yes. Q. So when you were reviewing the scrubber project, did you take into account migration rates? 	1	Q.	That's different than what this says here.
 4 choice to migrate to a different power 5 supplier? 6 A. Yes. 7 Q. So when you were reviewing the scrubber 8 project, did you take into account migration 9 rates? 	2	Α.	Not to me.
5 supplier? 6 A. Yes. 7 Q. So when you were reviewing the scrubber 8 project, did you take into account migration 9 rates?	3	Q.	And you agree that customers can make a
 6 A. Yes. 7 Q. So when you were reviewing the scrubber 8 project, did you take into account migration 9 rates? 	4		choice to migrate to a different power
 Q. So when you were reviewing the scrubber project, did you take into account migration rates? 	5		supplier?
8 project, did you take into account migration 9 rates?	6	A.	Yes.
9 rates?	7	Q.	So when you were reviewing the scrubber
	8		project, did you take into account migration
	9		rates?
	10	Α.	No.
11 Q. At any point in time did you take into	11	Q.	At any point in time did you take into
12 account migration rates?	12		account migration rates?
13 A. Well, this is 2009. So it's becoming a	13	A.	Well, this is 2009. So it's becoming a
14 subject of discussion in 2009. And that's	14		subject of discussion in 2009. And that's
15 when it first emerged as a discussion point.	15		when it first emerged as a discussion point.
16 Q. Okay. So in 2008, you didn't take into	16	Q.	Okay. So in 2008, you didn't take into
17 account migration rates.	17		account migration rates.
18 A. As I said, the decision was already made.	18	Α.	As I said, the decision was already made.
19 Our role was to comply. We didn't it	19		Our role was to comply. We didn't it
20 was	20		was
21 Q. But the question is: In 2008, did you take	21	Q.	But the question is: In 2008, did you take
22 into account migration rates?	22		into account migration rates?
23 A. At that point, the project was already	23	Α.	At that point, the project was already
24 started. The law had already been passed.	24		started. The law had already been passed.

 Q. The question is: Did you take into account migration rates in 2008 A. For what purpose? Q when you were analyzing whether or not to when you were analyzing the management of the scrubber? A. Customer migration rates were not a factor in the law. And the law says install a scrubber. So it wasn't a factor. The decision's already been made. And it didn't affect the construction, installation of a scrubber. Q. If I'm understanding your testimony correctly, your testimony is that you didn't take into account any variables because the law told you to build the scrubber, no matter what.
 A. For what purpose? Q when you were analyzing whether or not to when you were analyzing the management of the scrubber? A. Customer migration rates were not a factor in the law. And the law says install a scrubber. So it wasn't a factor. The decision's already been made. And it didn't affect the construction, installation of a scrubber. Q. If I'm understanding your testimony correctly, your testimony is that you didn't take into account any variables because the law told you to build the scrubber, no matter
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13 Q. If I'm understanding your testimony 14 correctly, your testimony is that you didn't 15 take into account any variables because the 16 law told you to build the scrubber, no matter
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15 take into account any variables because the 16 law told you to build the scrubber, no matter
16 law told you to build the scrubber, no matter
17 what.
18 A. I don't know what you mean by that, "didn't
19 take into account." As I said
20 Q. Well, let me go back through
21 A we were mandated to install the scrubber.
22 So that was our charge, and that's what we
23 did.
24 Q. Okay. So

1		(Court Reporter interjects.)
2	Α.	Now, there were other factors in the business
3		that were occurring. But our mandate was to
4		install a scrubber.
5	Q.	Okay. So we're going to go back through some
6		factors. And these are just "Yes" or "Nos."
7		Did you, when you were looking at
8		installing the scrubber, consider migration
9		rates?
10	Α.	That's been asked already.
11	Q.	You haven't answered it yet. Yes or no?
12	Α.	No. I said in 2006, when the mandate was
13		determined, there was no consideration of
14		migration rates.
15	Q.	In 2008, when the cost escalated, did you
16		consider migration rates in your
17		decision-making?
18	A.	No, because the mandate was to install the
19		scrubber, and we looked at what was the cost
20		of doing that.
21	Q.	Okay. In 2008, when the cost escalated, did
22		you consider forward gas pricing?
23	Α.	It was there were assumptions used in the
24		analyses that were presented to the RaCC, as

1		we discussed this morning. So when you say
2		"consider," it wasn't again, consider in
3		what context? Not in the construction, not
4		in the decision to mandate it, but in
5		analyzing and trying to understand the impact
6		of that compliance, we did do a financial
7		analysis.
8	Q.	So how far forward did you look at gas
9		pricing when you did your analysis?
10	Α.	I don't know. I didn't do those analyses.
11		But there were analyses done for as long as
12		15, 17 years, estimated.
13	Q.	Okay. I thought earlier you said you didn't
14		do long-term analysis.
15	Α.	Mr. Patch or pointed out to an exhibit
16		that said we started at \$11 for gas and grew
17		it at 2.5 percent. I don't know how many
18		years of estimates or what that how many
19		years of assumption that was used in the
20		study, but
21	Q.	When you I'm sorry. Are you finished with
22		your answer?
23	Α.	Yeah.
24	Q.	When you were doing your analysis in 2008,
	L	SUSAN J. ROBIDAS, N.H. LCR/RPR

1		did you look at or consider that the
2		Merrimack plant might be shifting from base
3		load to an intermediate or peak facility?
4	Α.	No.
5	Q.	Did you consider that in 2009?
6	Α.	I don't know what you mean, "consider." I
7		mean, the construction was already well under
8		way. So, again, under whatever operation you
9		might want to assume for short term or long
10		term, the requirement is the same: Put in a
11		scrubber. So, did the role of Merrimack
12		Station change over time? Yes, it did. Will
13		it change again over time? Probably.
14		MS. ROSS: I'm going to ask
15		the witness it's okay to explain your
16		answer, but do try to give the answer before
17		you start explaining it. I think what
18		happens most of the time is you don't
19		actually give the answer, and then you give
20		the reason why. It appears you're implying
21		that you didn't consider things, and you're
22		giving the reasons why you didn't consider.
23		But if you could just give the answer first,
24		that, no, it wasn't a factor we considered

1		because, then I think it will go better
2		and we won't have so much repetition here.
3	Α.	Yeah, I'm struggling with the word
4		"consider," because obviously we're aware of
5		what's happening in the markets and the
6		energy world around us. But in the context
7		of the mandate, we didn't have the freedom to
8		do anything other than install. But in the
9		bigger context, of course we knew what was
10		going on. That's what I'm trying to explain.
11	BY M	S. FRIGNOCA:
12	Q.	Okay. So it's your testimony that you didn't
13		have the freedom to consider the cost or
14		whether it made economic sense to continue
15		with the scrubber project.
16	Α.	That was the purview of the legislature.
17	Q.	So you're saying that it's the purview of the
18		legislature to review the cost of the
19		scrubber project.
20	Α.	I think of it in this way
21	Q.	No. Answer the question, please. Is it yes
22		or no? Is it the purview of the legislature
23		to review the cost of the scrubber project?
24	Α.	I can't answer that question.

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1	Q.	Okay.
2	A.	You won't let me answer it.
3	Q.	Well, first give me a "Yes" or "No."
4	A.	I can't.
5	Q.	Okay.
6		MS. FRIGNOCA: Then would you
7		instruct him? It's a yes or no
8		MS. ROSS: We're trying to
9		figure out who is responsible for not just
10		the prudence of the construction but the
11		decision to go forward. And so I think this
12		question goes to that issue. So you need to
13		just answer whether it was the Commission
14		excuse me the legislature's purview to
15		deal with the costs.
16	BY M	S. FRIGNOCA:
17	Q.	And I'll ask the question. Let me rephrase
18		the question.
19		As president and chief operating officer
20		of Public Service Company of New Hampshire,
21		did you have an understanding that it was the
22		legislature and not the PUC who was reviewing
23		whether the costs that you incurred in
24		relation to this project would be determined

1		to be prudent?
2	Α.	I've said it many times. If it relates to
3		the decision to move forward, no. That was
4		something the legislature would decide.
5		Management didn't decide. Since management
6		didn't decide it, there's no prudency review
7		to occur. What management managed was
8		compliance with the mandate, and that's what
9		the Commission can review; how well did we
10		comply with that mandate. It's a higher
11		authority. The state is a higher authority
12		than me, the president and CEO, or any of my
13		bosses. So the higher authority has told us
14		what to do. Our job was to do what they told
15		us to do.
16	Q.	Okay. If you'd refer again to Exhibit 17,
17		Attachment B, Page 39, the bottom. Can you
18		read your testimony beginning with, "It is
19		the normal standard"
20	Α.	"It is the normal standard for the Public
21		Utilities Commission to review our actions
22		and our decisions, and it's done in
23		hindsight. So it certainly presents business
24		risks, as you might have a difference of

1		opinion. We might think we made a good
2		decision. Somebody else might think we made
3		a bad decision. But I think the Commission
4		has found over and over again that we're
5		making good decisions. But yes, that's
6		normal course. And that's okay. We're
7		totally prepared for that, and we're totally
8		used to that." It goes on to the next page?
9	Q.	Yeah.
10	A.	"What is difficult for us because, you know,
11		we're really whatever we do affects
12		customers. You know, we're a regulated
13		company. We don't get market prices. We
14		don't get the profits that a nuclear plant
15		gets when the market prices go up, you know,
16		or any other plant if it's not regulated. So
17		we have to be very careful, first of all,
18		because we have that scrutiny; second of all,
19		you know, it affects customers. So we're
20		basically very conservative. We think we're
21		very innovative when it comes to things like
22		wood burning or, like, cocoa bean shell
23		burning or, you know, renewable power. But
24		financially, we have to be very, very

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1		conservative, and we have to be very sure of
2		what we're doing, because if we're reckless
3		or if we're making bad decisions, it will
4		hurt and will come back on us."
5	Q.	Okay. Thank you. I wanted to you ask you
6		about another area that you testified about a
7		number of times today, where you were
8		indicating that by 2008 let me know if I
9		got the time frame right that you were
10		halfway through the project, the six-year
11		project. Is that
12	Α.	More or less, yes.
13	Q.	Okay. And when you say that you were
14		"halfway through the project," what do you
15		mean by that?
16	Α.	As we talked about earlier, commitments for
17		contracts having doing detailed design,
18		specifications, line up the work force, that
19		sort of thing.
20	Q.	But in 2008, had any major construction begun
21		on the project?
22	А.	Not that I recall. But the contracts had
23		been committed to.
24	Q.	And as you sit here today, do you recall what
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1		conditions needed to be met before major
2		construction could start?
3	Α.	No.
4	Q.	Are there any permits that you need to obtain
5		before major construction can start?
6	Α.	Yes.
7	Q.	And what permit would that be?
8	Α.	Local construction permits with the City of
9		Bow and air permits from the Department of
10		Environmental Services.
11	Q.	And do you recall when that air permit from
12		the Department of Environmental Services was
13		issued?
14	Α.	No.
15	Q.	Would it refresh your memory if I gave a date
16		of March 2009?
17	Α.	Well, I would take your word for it. But
18		that wasn't a process that I managed.
19	Q.	Okay. But you would agree that major
20		construction couldn't start until after the
21		permit issued.
22	Α.	I'm not sure if all aspects of the project
23		could not go forward. Maybe part some
24		aspects may not have. I'm not sure. There

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1		was site work going on at a early stage.
2		(Long Deposition Exhibit 18 marked
3		for identification.)
4	Q.	Showing you what's been marked as Deposition
5		Exhibit 18.
6		MS. FRIGNOCA: And for the
7		record, it says Data Request Staff-01 on the
8		top, dated December 30, 2011. Q-Staff-012,
9		Page 1 of 75. I did not copy all 75 pages.
10		These are just excerpts from that request.
11	BY M	S. FRIGNOCA:
12	Q.	I'll give you a minute to look through it.
13		Just have a couple questions.
14		If you go to Page 1, that says Page 1 on
15		the bottom of that exhibit, Page 1 of 2, do
16		you see across the top a time line?
17		(Witness reviews document.)
18	Q.	On top of the page says "Public Service
19		Company of New Hampshire, Merrimack Station,
20		Clean Air Project, June 2011 Legislative
21		Update."
22	Α.	Yes.
23	Q.	And this is a document prepared by Public
24		Service Company of New Hampshire; correct?
	<u> </u>	SUSAN J. ROBIDAS, N.H. LCR/RPR

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1	A.	Yes, but not a data request that I responded
2		to, nor was I the one presenting this
3		information.
4	Q.	Okay. And in that time line, do you see
5		where it says March of 2009, "DES issues the
6		scrubber construction permit"?
7	А.	Yes.
8	Q.	So does that refresh your memory of the time
9		frame that that permit would have been
10		answered?
11	A.	Well, I accept that that's what it says.
12	Q.	And if you go further into that document,
13		would you please look at Pages 8 of 43 and 9
14		of 43.
15		(Witness reviews document.)
16	A.	I have it.
17	Q.	Have you located them?
18	A.	Yes.
19	Q.	Going to flip back first to Page 1 of 43,
20		just to indicate a date so we can put this in
21		reference. This appears to be a slide show
22		put together by PSNH on March 31st, 2010.
23		Does that look correct?
24	Α.	Yes.

1	Q.	And referring to Page 8 of 43, do you are
2		you looking at 2008 at this point?
3	Α.	If you want me to.
4	Q.	Okay. And you can see the costs there of
5		24.8 million?
6	Α.	Yes.
7	Q.	At that point in time, did you do a review
8		that looked at the cost of going forward with
9		the project? Did you look at well, did
10		you do a specific review?
11	Α.	This is a budget. This is not a commitment.
12		This does not does reflect the work that had
13		been done up to 2008, 2009, '10, to line up
14		the work. This is the estimated carbon
15		expenditures. It may have included AFUDC
16		during year by year.
17	Q.	Okay. So this report was done in 2010. But
18		the numbers that are showed under Cost By
19		Year are not accurate?
20	Α.	No. I'm saying those are I'm just making
21		a clarification. Those are expenditure
22		dollars. Those are not commitment dollars.
23		We had discussion earlier about commitments
24		that had been made with other lawyers asking

		20
1		questions.
2		(Discussion off the record between
3		counsel for CLF.)
4	BY M	S. FRIGNOCA:
5	Q.	So what is the basis for your statement on
6		what is committed costs?
7	Α.	Costs that you expect to incur, work that you
8		committed to have performed, but the work has
9		either not been performed yet or the bills
10		have not been paid for that work.
11	Q.	So, looking at this chart of estimated costs,
12		how do you know how much of that money was
13		committed to the project?
14	Α.	The project team knew that, had that
15		information.
16	Q.	And did they report that back to you?
17	Α.	I have seen it I had seen it, yes.
18	Q.	Is the committed cost the cumulative cost
19		below?
20	Α.	No. The cumulative cost is just simply
21		accumulation of the numbers above that you
22		referred to. The committed cost would follow
23		a different pattern.
24	Q.	Okay. Can you tell me how long you're

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1		financing the scrubber for?
2	Α.	The financing's complete. The scrubber's
3		complete.
4	Q.	So there's no
5		(Court Reporter interjects.)
6	Q.	There's no loans or anything outstanding on
7		the scrubber?
8	A.	Oh, loans. It's a there's not specific
9		project financing. There's overall general
10		corporate financing. So, we have a series of
11		different bonds, financial instruments that
12		change from time to time. They have
13		different lengths and durations.
14	Q.	And did you do any analysis of the energy
15		prices over the life of those loans and
16		bonds?
17	Α.	I'm having difficulty making the connections.
18		Energy prices are independent of those bonds.
19	Q.	Did you look at the viability of the plant
20		running as a baseload plant over the life of
21		the loans?
22	A.	We haven't looked at the plant, per se. As
23		again discussed earlier, we did some
24		financial estimates of the different
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1		scenarios, what the impact on customers would
2		be. I think that's but that's a different
3		analysis than the one I think you're talking
4		about.
5	Q.	Okay.
6		(Discussion off the record between
7		counsel for CLF.)
8	BY M	S. FRIGNOCA:
9	Q.	At any point over the six-year course of the
10		scrubber project, did you consider
11		divestiture?
12	Α.	Outside of the scrubber project? Because the
13		topic of divestiture comes up periodically
14	Q.	No, I'm talking about in relation to
15		Merrimack. Did you consider divesting?
16	Α.	Maybe ask to seek clarification on the
17		question. I'm trying to understand the
18		question.
19		Not as part of the scrubber project, no.
20		The topic of divestiture comes up once in a
21		while, and certainly we had discussions with
22		external parties about that.
23	Q.	Okay. And when the topic came up of
24		divesting over the course of the scrubber
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1		project, was that in relation to Merrimack
2		Station?
3	Α.	I think it extends to our whole fleet. There
4		was reference earlier today to a billion that
5		preceded the bill that ended up being enacted
6		in law, and we thought that that would have
7		or could have forced retirement or
8		divestiture prematurely. But no, I think we
9		view the project we view our fleet as
10		being very much in customer's interests.
11	Q.	Okay. I'm not sure I quite followed all of
12		your answer. So I apologize.
13		When you had divestiture discussions, do
14		you remember the years during which you had
15		those discussions? And I'm putting it in
16		relation to the years of the scrubber
17		project. During, say 2006, did you have
18		discussions about divestiture of Merrimack
19		Station?
20	A.	The answer in 2006 is no.
21	Q.	2007?
22	A.	I don't think so.
23	Q.	2008?
24	Α.	That might have been the time when the

		21.
1		legislature and some of the opponents might
2		have brought up the subject. So there could
3		have been some external discussions around
4		that.
5	Q.	Was it something that you considered as a
6		management option?
7	Α.	Every view that we've had of the plants, we
8		viewed them to be valuable to customers. So,
9		no, we never went down that path.
10	Q.	Okay. So you never went down that path in
11		'09. Just to save us time, did you at any
12		point between I'm sorry. In '08. Did you
13		at any point in '08 and completion of the
14		scrubber consider divestiture of Merrimack
15		Station?
16	A.	We never had any indication that it should be
17		considered. We continued to see value. Even
18		today, we continue to see value in our fleet,
19		in our units, and from a customer risk
20		perspective.
21	Q.	And based on what analysis do you rely to see
22		to continue to see the value in Merrimack
23		Station?
24	Α.	It's not an analysis. It's all of the risks
		SUSAN J. ROBIDAS N.H. LCR/RPR

1		that New England faces today, faced back
2		then. It's the economic analysis which
3		showed it to be in customers' interest. It's
4		our knowledge of a that there's a very
5		volatile, risky market out there. It's, you
6		know, any number of factors.
7	Q.	So I take it, then, if I ask you if you
8		considered retiring the plant during that
9		same time frame, your answer would be no?
10	Α.	No, did not consider retiring. We have
11		retired plants in the past. But there's no
12		indication that that would be in customers'
13		interest.
14	Q.	That it would be in customers' interest to
15		retire Merrimack.
16	A.	Yes.
17	Q.	I am done. Thank you very much for your
18		patience.
19	Α.	Thank you.
20		MS. ROSS: All right. It is
21		ten after three. I would suggest we take a
22		break now and then maybe come back at 3:30.
23		And we have one last questioner, Zack Fabish.
24		(Brief recess taken.)

1	MR. FABISH: Let's go on the
2	record.
3	EXAMINATION
4	BY MR. FABISH:
5	MR. FABISH: Mr. Long, I'm
6	Zack Fabish. I'm here from the Sierra Club.
7	I have hopefully a small handful of questions
8	that are follow-up from some things that
9	people were talking about earlier and then a
10	slightly larger handful of questions of my
11	own. So, two handsful-ish of questions that
12	hopefully won't take too long. But I
13	appreciate your time and yeah, so let's
14	get into it.
15	I think earlier today, do you recall a
16	question Mr. Patch asked, essentially asking
17	you what hypothetically you would have done
18	if the, I believe the acronym was the RaCC,
19	had not approved the \$457 million? Does that
20	sound
21	A. Yeah, I remember something like that.
22	Q. Okay. Great. Did you sort of flipping
23	the question a little bit, not asking you a
24	hypothetical. Going into the presentation

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1		for the RaCC, had you planned for a
2		contingency in which the RaCC did not approve
3		the what you were asking?
4	Α.	I'm not sure if I caught your question. What
5		would I have done if the RaCC did not
6	Q.	No. No. Sort of like, you know, rewind the
7		tape to before you gave the presentation.
8		At that point in time, were you
9		thinking essentially, you know, did you
10		have the thought process associated with the
11		idea of what do I do if this doesn't get
12		approved?
13	A.	No, I really worked through that scenario.
14		You know, as I stated repeatedly, the way
15		we take the law very seriously. And, you
16		know, I call us a "compliance company." So
17		we were management had the obligation to
18		comply with the law, and I had I and my
19		team had the obligation to follow the
20		Northeast Utilities process for seeking
21		funding. And as long as we did our job, I
22		didn't consider a scenario where it wouldn't
23		be approved.
24	Q.	So you did not plan for

1		(Court Reporter interjects.)
2	Q.	Sorry. I had my hands
3		So you did not consider that scenario.
4	A.	No, and it didn't occur.
5	Q.	Okay. Would it have been possible for the
6		RaCC to reject the proposal?
7	Α.	No. I mean, I think the role was one of:
8		Are we proceeding in compliance with the law?
9		Are we doing it in a well-managed way? You
10		know, whether it's the RaCC or had
11		questions about the board of trustees or
12		myself, all of us were subject to the same
13		law. And it was the higher authority. So I
14		believe that that whole process was well
15		aware of what the state had directed.
16	Q.	So in some ways it sounds like a pretty
17		low-pressure presentation.
18	Α.	Well, I no, I don't know if I'd go that
19		far, because we would be challenged to have
20		considered all aspects of construction and
21		compliance. We would have you had to
22		present obviously, you have to present
23		well to if we were not able to explain or
24		inform that committee, I'm sure they would

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1		have sent us back to do more work.
2	Q.	Okay. So you testified earlier that the
3		scrubber project I think this was in the
4		context of testimony you gave concerning the
5		difficulty of pricing it that it was not a
6		sulfur-reduction scrubber, but it was a
7		mercury-reduction scrubber. Is that an
8		accurate summary of what you said?
9	Α.	Yeah, I think it's close. It was
10		obviously, it was intended to comply with the
11		law regarding mercury reductions. I think
12		the thing that excited our environmental
13		regulators, often referred to as a "two-fer,"
14		meaning that in the process of reducing
15		mercury, you would also substantially reduce
16		sulfur. And so that was definitely viewed as
17		a positive amongst the parties who supported
18		it, which obviously included CLF, Sierra Club
19		and others although they wanted it done
20		sooner, I should clarify.
21	Q.	So a series of questions here that I think
22		I'm going to start off kind of broad, but
23		they will be getting to a focus. So I hope
24		you'll just bear with me.

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1		MR. FABISH: You, too, as
2		well, Bob.
3	BY M	IR. FABISH:
4	Q.	So, just thinking about environmental
5		compliance generally, does PSNH forecast
6		environmental compliance costs?
7	Α.	No requirements. I would say, obviously, as
8		part of our budgeting process we develop what
9		we call our operational plans. It's any
10		known rules we have to comply with are
11		certainly put within our budgets.
12	Q.	And so could you tell me what you mean by
13		"known rule"?
14	Α.	Rules that exist, that are in place, that are
15		enforceable.
16	Q.	So a draft rule, would that fall into that
17		category?
18	Α.	Not necessarily. Oftentimes, draft rules
19		have a long ways to go and oftentimes don't
20		ever become rules. So that wouldn't be
21		you know, again, it's just a draft. It's
22		just a thought. It would have a long way to
23		go, so
24	Q.	So in that case, draft rules are not

1		something that's considered as part of this
2		environmental compliance cost forecast then.
3	А.	It's certainly followed. It's certainly
4		monitored. But it's a draft. So it would be
5		speculative to it be speculative. So, you
6		know, it would be included perhaps as a risk
7		factor or something to learn more about. But
8		when setting a budget, we go with what's
9		known.
10	Q.	So when you say "risk factor," does that go
11		into the budget?
12	Α.	No.
13	Q.	No? Okay.
14		So, things that you do regarding the
15		known, existing rules, who at PSNH does that,
16		that forecasting, or does that pricing of
17		compliance?
18	Α.	Well, the area that's impacted. If it's a
19		if it happens to be a rule, for instance, on
20		PCBs on transformers, if there's some sort of
21		new rule that requires us to replace those,
22		it would be what I referred to earlier as the
23		energy delivery area. If it's in the
24		generation area, then it would be something
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1		that would be tracked and monitored by our
2		generation management.
3	Q.	Okay. And is this a formal process or an
4		informal process?
5	Α.	I should add, also, there's an environmental
6		group within Northeast Utilities that
7		monitors environmental regulations and
8		compliance. So they would also tend to
9		monitor developing rules.
10		And your question was?
11	Q.	Now I have to remember my question. So let
12		me go back to what you just said before I get
13		back to my other question.
14		So there's a group at Northeast
15		Utilities that does this. And is that
16		information prepared on a regular time period
17		and shared with subsidiaries like PSNH or
18		how does that information get from Northeast
19		Utilities to PSNH?
20	Α.	As colleagues, they may participate in
21		meetings, discussions. I think the
22		environmental group issues their own reports
23		that may or may not include aspects of PSNH.
24		It's shared. It's something that's shared

1		internally.
2	Q.	Okay. So then, this gets to the question
3		that I asked but we both forgot but I
4		written down, so we're good is this a
5		formal process or an informal process? And
6		maybe before you answer that question, I'll
7		unpack it just a little bit.
8		So, essentially what I'm asking is, you
9		know, does this happen like is it once a
10		quarter or once every six months? Does the
11		environmental compliance group do they
12		say, "Here's our report. This is what we
13		think is coming. Here's what everyone should
14		be thinking about in terms of forecasting
15		compliance costs"? Or is it a much more a
16		process where folks are participating in
17		meetings, and it's more sort of ad hoc?
18	Α.	It's a combination of the both, I would say.
19		I'll give you an example.
20		There are manufactured gas clean-up
21		sites around Northeast Utilities. And that
22		group will manage the clean-up of those
23		sites, and they'll issue a report I
24		believe it could be every quarter or so on
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1		what's the status of that clean-up activity
2		and progress. So that would be an example of
3		a periodic report that the environmental
4		group of Northeast Utilities would issue.
5		But that's not the only communications.
6		Obviously, they would work with the Companies
7		that they're servicing. So they're part of a
8		service company, Northeast Utilities Service
9		Company. So they're servicing all of the
10		companies, and PSNH being one of those. So
11		they would actively work with that group. If
12		it's a spill clean-up, they'll issue reports
13		on the incident and the resolution of that
14		spill and clean-up, for instance. So they do
15		issue reports. We have daily
16		notifications we call them "environmental
17		issues" that are shared very widely.
18	Q.	Does PSNH ever request specific pieces of
19		information from this group?
20	Α.	We certainly can request services of
21		contractors to help us with a clean-up.
22		That's not a they have their own staff in
23		New Hampshire, that's assigned to New
24		Hampshire, to help the operational people

1		with environmental matters there. If they
2		have expertise in that group, our generation
3		group can ask them for services, for help.
4	Q.	Sure. But looking more specifically than the
5		general sort of services that are provided,
6		does PSNH ever ask this group for information
7		pertinent to environmental compliance cost
8		forecasting?
9	Α.	Again, you know, I'm trying to answer the
10		question in the context that it we have
11		different parts of our company.
12	Q.	Sure.
13	Α.	And, you know, of course, the subject today
14		is our generation group. So our generation
15		group has their own scientists and compliance
16		personnel because PSNH's I'll say this
17		with exception it's the only company
18		(Court Reporter interjects.)
19	Α.	the only company within Northeast
20		Utilities that has generation, and therefore,
21		that's where a lot of the expertise lies.
22		There's some solar generation in
23		Massachusetts, but a different set of
24		environmental regulations on that.

1	Q.	Okay. And so earlier you said that when
2		doing environmental compliance cost
3		forecasting, draft rules aren't regarded.
4	Α.	No, I
5	Q.	Okay.
6	Α.	They're highly studied. They're monitored.
7		But what I was trying to indicate earlier,
8		they are a work-in-progress, so to say. So
9		they're speculative as to how they may end up
10		and when.
11	Q.	And so, when looking and doing the highly
12		regarded and the monitoring of draft rules
13		and forthcoming rules, is that done by folks
14		internal to PSNH and/or Northeast Utilities,
15		or outside consultants?
16		MR. NEEDLEMAN: I want to
17		object at this point. I don't see how any of
18		this line of questioning is relevant. And
19		it's certainly not information that's
20		uniquely within Gary's purview. This is all
21		stuff that could have been asked in another
22		context.
23		MR. FABISH: So where I'm
24		going with all of this is, I'm trying to get
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1	a picture of what was being evaluated during
2	the time frame when the scrubber project was
3	under consideration in the early stages of
4	putting it out to bid and securing contracts
5	and permits, and what sort of environmental
6	compliance cost issues were in front of the
7	company and how they were being regarded and
8	how they were being evaluated.
9	MS. ROSS: And I would
10	encourage you to get to those questions.
11	MR. FABISH: Yeah, I'm just
12	about there.
13	MS. ROSS: But I will allow
14	that general questioning for background
15	purposes.
16	BY MR. FABISH:
17	Q. Well, let's go right to it.
18	In 2007, what sort of potential
19	environmental compliance costs, aside from
20	the Scrubber Law, was PSNH considering for
21	Merrimack?
22	A. Well, as I indicated earlier this morning, in
23	some of the sensitivity analyses that were
24	presented to the RaCC Committee, there was
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1		you know, there was a testing of the
2		sensitivity of new environmental rules, I
3		think in the area of water.
4	Q.	And that was, I think, what? Exhibit 5,
5		page that's right, 'cause there's, like,
6		two different sets of numbers on these pages.
7		Page 13 of 50 I think was the one that was
8		identified earlier.
9	Α.	Yes.
10	Q.	So, a couple of questions about this.
11		First of all, how was this \$30 million
12		figure arrived at?
13	Α.	That's not my number. I didn't derive the
14		number. I can't tell you.
15	Q.	Okay. So that's speculating. You have no
16		idea.
17	Α.	That's not my number. This is an analysis
18		that was performed by others.
19	Q.	Sure. So why were water compliance well,
20		let me back up.
21		So, looking at this page under the
22		Unlikely/Low case legend, it says cooling
23		tower addition, dollar sign, 30M 30
24		million. This was included in a presentation
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1		concerning the Clean Air Project for what
2		reason?
3	Α.	Well, specifically, this analysis is about
4		Merrimack Station, and just as another
5		financial consideration in the scenarios that
6		were considered, as a separate obviously a
7		separate requirement from the state's mandate
8		on the scrubber and, as you indicated
9		earlier, you know, not yet a requirement.
10	Q.	So this presentation, just so I understand,
11		under the financial scenarios, different
12		costs posed to Merrimack were considered as
13		part of this analysis?
14	Α.	Yes.
15	Q.	Is there a reason I assume there is.
16		Is there a reason why it was just
17		Merrimack and not PSNH generally?
18	Α.	Because that was where the scrubber was being
19		installed.
20	Q.	Sure. But I think and maybe because I'm
21		not a finance guy at all earlier you
22		were in response to a question about, and
23		I'm probably going to garble it, but in
24		response to the financing of the scrubber

1		project, you were talking about bonds. And I
2		think perhaps I misinterpreted this. But my
3		understanding of what you were saying was
4		that the bonds were company-wide. Is that
5		correct? That essentially the financing for
6		projects comes from
7	Α.	General financing, yes. What I indicated was
8		this was not specific project financing. It
9		was just part of the overall capital
10		structure of PSNH.
11	Q.	Hmm-hmm. Okay. So the overall capital
12		structure of PSNH is not something that goes
13		into this particular analysis here in
14		Exhibit 5, on Page 13 of 50.
15	Α.	This analysis, again, I didn't do it, but I
16		would assume includes levels of investment
17		and then a return on investment. And I would
18		suspect that the return on investment is our
19		average cost of and our debt structure,
20		which is for the whole company.
21	Q.	Okay. So, in regarding potential
22		environmental compliance costs, does PSNH
23		look at what's going on with the permitting
24		in other similar industries?

1	Α.	If that industry is electric generation or,
2		you know, boilers, industrial boilers, that
3		would be a the answer would be yes. But,
4		you know, it has it's much related I
5		want to say, site-specific. So what happens
6		in one area of the country or in one type of
7		power plant may not be applicable to our
8		circumstances.
9	Q.	Sure.
10	A.	I would say the permits are very specific to
11		the plant, the plants that we operate.
12	Q.	So, again, keying a little bit off of this
13		exhibit here, Merrimack is a thing that burns
14		coal, has a cooling water system; right?
15	A.	Yes.
16		(Court Reporter interjects.)
17	Q.	And are you aware of what type of cooling
18		water system Merrimack has?
19	Α.	Yes.
20	Q.	I guess I'll follow up. What would that be?
21	Α.	The cooling water is taken from the Merrimack
22		River, condenses to steam, put into a pond
23		that has spray modules, and then eventually
24		back into the river.

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1	Q.	And that's the system that it's had at
2		least had in the 2000s, right, and continues
3		to have today?
4	Α.	Yes.
5	Q.	Are you familiar with the facility called
6		Brayton Point?
7	Α.	I wouldn't say I'm familiar with it. I know
8		it exists. I know it's in Massachusetts.
9	Q.	Okay. That's probably good enough.
10		If I said the word "NPDES," does that
11		have meaning for you? N-P-D-E-S.
12	Α.	It's a I know it's a permit.
13	Q.	So would you understand that to be an acronym
14		for National Pollutant Discharge Elimination
15		System?
16	Α.	Yes.
17	Q.	Okay. Merrimack has a NPDES permit; correct?
18	Α.	Yes.
19	Q.	Is it your understanding that NPDES permits,
20		in part, govern cooling water
21	A.	Yes.
22	Q.	for facilities such as Merrimack?
23	Α.	Yes.
24	Q.	Are you familiar with the NPDES permit for
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1		Brayton Point?
2	Α.	No.
3	Q.	Any familiarity at all?
4	A.	No.
5	Q.	No? Never heard of it before?
6	А.	Heard of it?
7	Q.	That's the low threshold I'm establishing.
8		We'll start from there and then build.
9	А.	I mean, environmental permitting is not my
10		expertise. Not something I do at PSNH. It's
11		something our generation team does. So, no,
12		I'm not familiar with Brayton Point's
13		permits. I am not.
14	Q.	Okay. So if I told you that Brayton Point's
15		NPDES permit required it to essentially
16		convert from open-cycle to closed-cycle
17		cooling, is that a piece of information that
18		would be surprising to you?
19	Α.	No.
20	Q.	No. Okay. Were you aware that this permit
21		was issued are you aware of when this
22		permit was issued?
23	Α.	No.
24	Q.	If I said it was issued in the early part of
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1		2000s, would that be a surprise to you?
2	A.	I would take your word for it. It's not
3		something I know directly myself.
4	Q.	Sure. In thinking about the financing, the
5		financial scenarios for the scrubber project,
6		for the Clean Air Project, as part of the
7		presentation to the RaCC, or as part of the
8		general decision-making concerning the
9		project, did the NPDES permit for Brayton
10		Point enter into that analysis at all?
11	A.	Not in this presentation to the RaCC.
12	Q.	Okay. Was it something that was considered
13		as part of the analysis, to your knowledge?
14	Α.	Again, as I stated earlier, these permits are
15		very site-specific. And so I know I
16		personally did not regard it as relevant to
17		the permits at Merrimack Station. Whether
18		others were aware of it and to what detail, I
19		don't know.
20	Q.	So you personally okay.
21		So the scrubber was designed to achieve
22		compliance with the mercury reduction law.
23		(Court Reporter interjects.)
24	Α.	Yes.
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1	Q.	And that, therefore, was designed to achieve
2		an 80 percent or better reduction in mercury
3		over the course of on an annualized basis.
4	A.	I'm going to kind of say a qualified yes,
5		because the consideration was for our whole
6		fleet
7		(Court Reporter interjects.)
8	Α.	That included our entire fleet, which
9		included Schiller station, coal plants. So
10		80, 85. It's I don't you know, I'll
11		take your word for it. But it's in that
12		vicinity. And then also goals for reduction
13		of sulfur dioxide.
14	Q.	So was the scrubber designed to hit a certain
15		SO2 emission rate?
16	Α.	I think we had an objective in mind to reduce
17		it. I can't remember if it manifested itself
18		in a permit or not.
19	Q.	But did that you said you had a goal. Did
20		this goal factor into the bidding process for
21		the requirements for scrubber construction?
22	Α.	Yes. The specifications that I referred to
23		earlier were specifications for vendors to
24		meet the requirements of the law.

1	Q.	And just to close the loop on this line of
2		questioning, and then I'll move on, those
3		requirements were mercury reduction with
4	A.	Yeah, I'm thinking about mercury reductions
5		particularly.
6	Q.	All right.
7	A.	You know well, okay, I'll stop there.
8	Q.	So if I understand some of the materials
9		correctly, one of the things that was
10		different about the scrubber project at
11		Merrimack is that the two boilers are
12		different sizes; is that correct?
13	A.	Yes, and a single scrubber would be used for
14		both units.
15	Q.	Is there something called "bypass mode"?
16	A.	I recall something along those lines.
17	Q.	Could you explain, to your knowledge, what
18		bypass mode is?
19	A.	Be a layman's explanation.
20	Q.	That's good enough for me.
21	A.	That you have to bypass parts of equipment,
22		perhaps the scrubber, at some time or
23		another.
24	Q.	Okay. And sometime or another, the level of

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1		detail as to when that option would be used,
2		would be the best that's consistent with your
3		knowledge right now.
4	Α.	That's about as far as I can go with it. You
5		would have to talk with the generation staff
6		to give you more information on what the
7		equipment can do and why.
8	Q.	Okay. If I say the words "National Ambient
9		Air Quality Standard," does that mean
10		anything to you?
11	Α.	I'm sure I've heard of it before. It doesn't
12		relate to the work that I do specifically.
13	Q.	Sure. If I say the acronym, "NAAQS,"
14		N-A-A-Q-S, does that trigger anything?
15	Α.	Not much.
16	Q.	Not much. Are you aware there is a NAAQS for
17		sulfur dioxide?
18	Α.	A NAAQS?
19	Q.	A National Ambient Air Quality Standard?
20	Α.	I wouldn't be at all surprised.
21	Q.	All right. So, aside from the bid in
22		Exhibit 5, financial scenarios talking about
23		the cooling tower addition, \$30 million
24		during 2007 in connection with the scrubber

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1		project, were potential cooling tower
2		requirements for Merrimack considered as part
3		of the analysis of the scrubber project?
4	Α.	I think this analysis where you see the
5		financial aspects of it show up, our
6		generation group is well versed in that
7		subject matter, and I'm sure they would have
8		been familiar with all aspects of the status
9		of those requirements.
10	Q.	But to your knowledge, though
11	Α.	Well, to my knowledge, it was a closely
12		monitored subject by our generation group.
13	Q.	And was it considered as part of the analysis
14		of the scrubber project?
15	Α.	Well, the analysis that you see, it was
16		considered in some of the risk profiles, the
17		scenarios that were analyzed.
18	Q.	Okay. Was the sulfur dioxide national
19		ambient air quality standard considered
20		during the analysis of the scrubber project
21		in the 2007 to 2009 time frame?
22	Α.	I would say those things are constantly
23		monitored and analyzed by our generation
24		group, certainly for ongoing compliance, and

238 1 then, should they change, what does that mean 2 to us and our customers. 3 MS. CORKERY: I'm sorry. Ι can't hear. 4 5 (Record read back.) BY MR. FABISH: 6 7 During the scrubber project -- during 0. 8 analysis of the scrubber project, say in the 2007 to 2009 time frame, was a potential 9 requirement for hourly emission limits of 10 11 sulfur dioxide considered? Okay. Just for clarification. 12 The Α. announcement of the scrubber project -- I 13 14 mean, it was a law, not necessarily an 15 announcement. But, you know, again, same 16 sort of answer. Did our generation group 17 monitor such stuff? Yes, they did. 18 And was it considered as part of the analysis Q. 19 of the scrubber project? 20 I think the analysis speaks for itself as to Α. 21 what's in there. 22 So if I said -- is it a fair summary of your ο. 23 testimony just now to say no, with qualifications? 24

1	Α.	Probably a better way to think of it is we
2		believe we then part of the scrubber
3		project would be in full compliance with all
4		environmental regulations.
5	Q.	But if I were to ask you if this specific
6		thing was considered, whether or not the need
7		to comply with hourly sulfur dioxide emission
8		limits was considered as part of the scrubber
9		project analysis
10	Α.	I guess, again, you know, I'm not the expert
11		in all the detail of environmental
12		permitting. But obviously we felt very
13		comfortable that were complying with all law,
14		with our permits and with the requirements.
15		If you're suggesting there might be different
16		ones in the future, then that would be
17		speculative and
18	Q.	I'm not.
19	Α.	not part of compliance. You know, we
20		understood and believed that we, with the
21		scrubber, would be in compliance with state
22		law and all other regulations.
23	Q.	So I guess, setting aside well, if I were
24		to rephrase that question that I just asked,
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1		I would ask it, to your knowledge, and then
2		ask you to exclude the caveat that yeah, I
3		know this is getting complicated. Let me
4		just try this. Strike all that and let me
5		try this again.
6		So the next question I'm going to ask is
7		as to your knowledge. And so I understand
8		that you've already answered that you have
9		sort of a high-level picture and assumption
10		about what considerations were made by other
11		folks involved in this analysis. But to your
12		knowledge specifically and, you know, it's
13		fine if the answer is no to your knowledge
14		specifically, was the need for hourly or
15		for compliance with hourly sulfur dioxide
16		emission limits analyzed as part of the
17		scrubber?
18	Α.	Yeah, you know, I was aware that that was a
19		topic of discussion in environmental
20		regulatory, you know, places. But I was also
21		of the full understanding that we were in
22		compliance with all law and our permits.
23	Q.	If Merrimack has to install a closed-cycle
24		cooling system, such as cooling towers, what

1		would that do to the cost of generating
2		electricity at Merrimack?
3	А.	I don't know. And, you know, it's obviously
4		not the circumstance today, and could be far
5		enough in the distance future, if ever. Lots
6		of things will change between now and then.
7		So it's really not something, you know, I
8		could lend an opinion on at this point.
9	Q.	So, open universe of possibilities as to what
10		could happen if Merrimack had to install
11		cooling towers.
12	Α.	You know, the question the statement was
13		"if." And, you know, it's a speculative
14		thing. There are many variables in our
15		business. That's one. You know, your own
16		organization has a "Beyond Natural Gas"
17		campaign going on that is challenging
18		fracting and challenging the increased use of
19		natural gas. That could be far more
20		significant to the energy prices in New
21		England than a cooling tower, if they were
22		ever even required.
23		So my point is, as we talked about
24		earlier, fuel prices could be far more
		SUSAN T POBIDAS NH LCR/RPR

1		significant than other things. It's a very
2		significant factor. And your organization's
3		actions, if you're successful, will certainly
4		result in higher prices.
5	Q.	How about if I ask you the same question, but
6		I say "all else remaining equal"?
7	Α.	I can't accept an "all else remaining equal"
8		because that's
9	Q.	Even as a thought experiment.
10	Α.	Well, because it doesn't exist today.
11		There's no requirement today for cooling
12		towers. So you're saying you know, it
13		could be any number of things. If costs go
14		up, you know, is that difficult? Yes, it is.
15		If costs go down, that's more beneficial. So
16		it's a pure hypothetical. You know, yes, if
17		costs go up, it's not something we look
18		forward to. If market prices go up, that
19		changes the relative standing of the plant,
20		for sure. If gas prices go up, which is what
21		TransCanada is forecasting, what your
22		organization seems to be wanting to achieve,
23		that will make the economics of Merrimack
24		Station increase rather radically.

1	Q.	So a moment ago you said "beneficial," and I
2		think you said "detrimental" with regard to
3		what would happen if costs went up. Could
4		you explain in a little bit more detail what
5		you mean?
6	Α.	I think you were asking me a hypothetical,
7		generic question. And, you know, if costs go
8		up, it's not something, you know, I think as
9		a business we like to see. But there are
10		at the same time, people want to be provided
11		with electricity and reliability and clean
12		air. And all those things do cost. So
13		it's someone used the word "balance"
14		earlier today. So it's balance of all of
15		those considerations: Reliability,
16		reasonable costs, environmental stewardship,
17		compliance, diversity of fuel, you know,
18		serving customers overall, economy, jobs. I
19		mean, there's a whole lot of factors that go
20		into our business.
21	Q.	Sure. So I think a moment or two ago and
22		I apologize. It's the end of the afternoon,
23		so I'm not as sharp as I could be otherwise.
24		Just want to throw that out there.

1		So you said that because there's so many
2		other factors, it would be speculative to
3		opine as to what might happen if a
4		requirement for the construction of cooling
5		towers at Merrimack Station were imposed. Is
6		that a fair recollection of what you said?
7	А.	No. I think it's fair to say that if cooling
8		towers were mandated, in some way required,
9		that it would add to the cost. But if that
10		were to occur, it seems to be far off in the
11		distance. And what I'm trying to indicate is
12		that a lot of things will change between now
13		and then. Again, if I believe your work,
14		your organization and TransCanada, we'll have
15		much higher natural gas prices by the time we
16		get there, and its economic feasibility will
17		be looked at at that time.
18	Q.	Okay. So, aside from, you know, the
19		Exhibit 5 thing that we've been talking about
20		quite a bit, that cost associated with a
21		requirement to construct cooling towers at
22		Merrimack Station, that was not something
23		that was considered as part of the analysis
24		of the scrubber project in the 2007 to 2009

		21.
1		time frame.
2	A.	Well, as I stated earlier, it was something
3		that was analyzed in scenarios as part of
4		trying to understand the impact of costs. I
5		don't know what the legislature considered
6		when they mandated it and how they might have
7		considered other things, but
8	Q.	Sure. No, and just to clarify, when I'm
9		asking a question, I'm not asking you and
10		not to speculate about what the
11		legislature and its various members might
12		have been thinking, 'cause who knows what
13		that was.
14		Let me just take another moment, but I
15		think the payoff will be pretty good.
16		(Pause in proceedings)
17	Q.	I'm finished.
18	Α.	Thank you.
19		MS. ROSS: Thank you. Thank
20		you all.
21		(Deposition concluded at 4:21 p.m.)
22		
23		
24		

1 CERTIFICATE I, Susan J. Robidas, a Licensed 2 Shorthand Court Reporter and Notary Public 3 of the State of New Hampshire, do hereby 4 5 certify that the foregoing is a true and accurate transcript of my stenographic 6 7 notes of the deposition of GARY LONG, who 8 was duly sworn, taken at the place and on the date hereinbefore set forth, to the 9 best of my skill and ability under the 10 11 conditions present at the time. I further certify that I am neither 12 attorney or counsel for, nor related to or 13 14 employed by any of the parties to the 15 action in which this deposition was taken; 16 and further, that I am not a relative or 17 employee of any attorney or counsel 18 employed in this case, nor am I financially interested in this action. 19 20 21 Susan J. Robidas, LCR/RPR 22 N.H. LCR No. 44 (RSA 310-A:173) 23 24

GARY LONG - 9/16/13

		247
1	ERRATA SHEET	
2	I, GARY LONG, do hereby certify that	I
3	have read the foregoing transcript of my testimony and further certify that said transcript (with/without) suggested	
4	corrections is a true and accurate record of said testimony (with the exception of	
5	the following corrections):	
6	Page & Line No. Correction	
7		
8		
9		
10		
11		
12		_
13		_
14		_
15		_
16		
17	GARY LONG	-
18		
19	Subscribed and sworn to before me this day	of
20	, 20	
21	Notary Public	-
22		
23	My Commission Expires:	
24		
L	SUSAN J. ROBIDAS, N.H. LCR/RPR	

(603)622-0068 shortrptr@comcast.net

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