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1 OCTOBER 8, 2015	-	1 M	IR. COXWORTHY:
2 (9:00 a.m.)		2	Q. Well, if you look at Undertaking 37, I don't
3 CHAIRMAN:		3	believe any of the other Vice President
4 Q. Good morning, everybody. I think we're ready		4	positions are referred to in Undertaking 37?
5 to go except there's one undertaking.		5	I'm correct in that, aren't I?
6 MS. PENNELL:		6 M	IR. HENDERSON:
7 Q. We do have one undertaking, that's Undertaking		7	A. You are correct. Undertaking 37 is related to
8 37, and that's about the accountability and		8	the Hydro leadership team and that one is the
9 responsibility of Nalcor employees with		9	Nalcor leadership team.
10 respect to Hydro leadership. This was the		10 M	IR. COXWORTHY:
11 undertaking that Mr. Coxworthy was waiting on		11	Q. And I was wondering whether that was the
12 yesterday.		12	answer. So you're saying that apart from the
13 CHAIRMAN:		12	VP Corporate Relations, everyone else in PUB-
14 Q. And I think, sir, we're back to you.		13	NLH-228 is not part of the Hydro leadership
15 MR. COXWORTHY:		14	team?
		-	
16 Q. Yes, you are, Mr. Chair, thank you.		16 М 17	IR. HENDERSON: A. That's right.
17 MR. ROBERT HENDERSON			
18 MR. DARREN MOORE			IR. COXWORTHY:
19 MR. TERRY GARDINER		19	Q. So in terms of their accountability and the
20 CROSS-EXAMINATION BY MR. PAUL COXWORTHY:		20	clarity with respect to spending time specific
21 MR. COXWORTHY:		21	to Hydro activities, how would we go about
22 Q. Good morning, Mr. Henderson, Mr. Moore, Mr.		22	getting that clarity for those people, those
23 Gardiner.		23	other people in PUB-NLH-228?
24 MR. HENDERSON:			IR. HENDERSON:
25 A. Good morning.		25	A. Well, the Nalcor people who are on the Hydro
	Page 2		Page 4
1 MR. MOORE:		1	leadership team report to one of these
2 A. Good morning.		2	executives, and so the accountability is done
3 MR. GARDINER:		3	through these people.
4 A. Good morning.		4 M	IR. COXWORTHY:
5 MR. COXWORTHY:		5	Q. From that direction, but I'm talking from the
6 Q. Could we bring up PUB-NLH-228, please,		6	other direction in terms of the
7 Attachment 1. Thank you. Mr. Henderson,	do	7	accountability, how do we determine with
8 you have a copy of the response to Undertaki	ing	8	clarity how these Nalcor officers provide
9 37 there.		9	their services to Hydro? What direction is
10 MR. HENDERSON:		10	there, what guidance is there, and perhaps to
11 A. I do.		11	assist we could turn to the second page of
12 MR. COXWORTHY:		12	Undertaking 37 because perhaps this is part of
13 Q. You do. There are a number of positions, Vi	ice	13	the answer, "Conflict of interest between
14 President positions that are outlined in PUB-		14	companies is dealt with as noted in the record
15 NLH-228. In Undertaking 37, can you confirm		15	in PUB-NLH-315", and there's cited there an
16 to me that the only Vice President position		16	extract from there that, "Board and leadership
17 that's referred to in Undertaking 37 with		17	team members are aware of their obligations to
18 respect to there being a job description, job		18	serve the interest of the company they
19 description on the record is the VP Corporate		19	represent and to avoid and/or disclose any
20 Relations, which is now VP Corporate Relation		20	potential conflict of interest involving two
21 and Customer Service?		21	or more Nalcor entities". Does this conflict
22 MR. HENDERSON:		22	of interest policy apply to all of the
23 A. I can't say that they're the only ones. I		23	officers referred to in PUB-NLH-228, or only
think most of the Nalcor ones were on the		23	to what you've described as the Hydro
24 think most of the tvaleof ones were on the25 record.		24 25	leadership team?
2.5 10001 u .		23	Page 1 Page 4

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1 1	MR. HENDERSON:	C	1	Н	lydro, be able to reject a direction that had
2	A. This applies to the Nalcor executive team and		2		ome from Human Resources with respect to one
3	the Hydro leadership team.		3	0	f the matters within your area". Mr. Roberts
4 1	MR. COXWORTHY:		4		nen answers, and if we can continue on down
5	Q. And this extract describes that if there is a		5		the next page, page 85, "I wouldn't do so
6	potential conflict of interest involving two		6		ar as to say he would need to reject it
7	or more Nalcor entities, that the Corporate		7		ecause we would seek alignment before we put
8	Secretary, and this would be of Nalcor, is		8		there, but he has full accountability for
9	available to assist in ensuring these		9		at, Newfoundland and Labrador Hydro is going
10	standards are met. What standards?		10		take that on". So when searching for that
11 1	MR. HENDERSON:		11		vpe of alignment, you're saying there's no
12	A. The conflict of interest standards.		12	-	eed to go to the Corporate Secretary, this is
13 N	MR. COXWORTHY:		13		n issue that you would work out between
14	Q. And is there a separate document?		14		ourself and Mr. Roberts?
15 N	MR. HENDERSON:		15 1	MR. HE	ENDERSON:
16	A. I think this is an extract from the conflict		16	Α. Τ	'hat's correct.
17	of interest document which is in PUB-NLH-315.		17 1	MR. CO	DXWORTHY:
18 1	MR. COXWORTHY:		18	0. C	or at least attempt to.
19	Q. We'll have to look at the whole of the		19 1		ENDERSON:
20	document. In your time as VP Hydro, has there	e	20	A. Y	es.
21	ever been disclosure by anyone in PUB-NLH-22		21 1	MR. CO	DXWORTHY:
22	anyone holding those positions, of a potential	ŕ	22	Q. A	and the answer - the question seems to have
23	conflict of interest between Hydro and another	r	23		een directed according to the transcript to
24	Nalcor entity?		24		Ir. Roberts, the answer was given by Mr.
25 1	MR. HENDERSON:		25		IcDonald, "That's correct". So there seems to
	р	age 6			Page 8
1	A. Nothing that I've been aware of.	uge o	1	h	e a little bit of ping-ponging back and forth
	MR. COXWORTHY:		2		ere, but the next question then is apparently
3	Q. And have you ever disclosed a potential		3		irected on page 85 to Mr. Roberts, "Can you
4	conflict?		4		rovide an example of how that would work? So
	MR. HENDERSON:		5	-	is process of your aligning with advice
6	A. A conflict, no.		6		at's being given by the VP HR", and the
	MR. COXWORTHY:		7		xample there is given with respect to an
8	Q. Have you ever had reason to go to the		8		lucation awareness program, how quickly Hydro
9	Corporate Secretary as VP Hydro?		9		mployees could be put through that program,
	MR. HENDERSON:		10		and a discussion there about there was some
11	A. No, I haven't.		11		ive and take or discussion about, and I don't
	MR. COXWORTHY:		12	-	ink we need to go through that in detail,
13	Q. Are you aware of anyone else within the Nalco	or	13		ut continuing on down, "Are there any other
14	leadership team that works with Hydro that's		14		xamples other than that, let's say, specific
15	had reason?		15		Human Resources, of that type of discussion
	MR. HENDERSON:		16		bing on between yourself as VP Hydro and HR
17	A. No, I have not heard of it.		17	-	align your respective objectives".
	MR. COXWORTHY:				NDERSON:
19	Q. If we could go to the September 21 transcript,		19		Vell, the way that would typically happen with
20	page 85. Actually, if we could start at page		20		espect to objectives is that they would bring
21	84, line 19, just for the context. Board		21		prward a document which would be their
22	Counsel was asking some questions of Mr.		22		roposal, I'll say, from HR of what they -
23	Roberts and the question was, "In bringing		23	-	ther the HR area, the environment area, or
24	down the theory of how you give guidance,		24		afety, they would bring forward their
25	would Mr. Henderson, as Vice President of		25		iggestions of things to undertake or advance
Ľ				5.	Dage 5 Dage 9

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1	in the upcoming year, and I would be review	wing	1	suggested either Mr. MacIsaac or yourself
2	those and we would discuss those at the Hy	dro	2	might be able to provide some more
3	leadership group as to what we could actual	lly	3	illumination around that. This is the section
4	achieve in the year, and whether we shoul	ld	4	of the evidence where Mr. O'Brien, following
5	perhaps go slower in one area or maybe	e	5	up on Mr. McDonald's suggestion, asks you
6	accelerate the actions in another area. So		6	about this. So if we could go to page 52,
7	those types of things would occur during o	ur	7	line 12, actually line 14. Mr. O'Brien asked
8	planning cycle for the year, and so there		8	you, "Were you involved in making the
9	would be a bit of back and forth with regar	ď	9	determination as to who was going to provide
10	to those functional areas to ensure that the		0	those services to project management
11	right priority for Hydro and what Hydro i	s 1	1	engineering and construction management
12	able to accomplish was put forward.	1	2	services, and these are the services to build
13	MR. COXWORTHY:	1	3	the Bay d'Espoir Western Avalon transmission
14	Q. If we could move down page 86, line 14, a		4	line". You confirmed that you were. When
15	Ms. Greene asked, "If there was a conflict"		5	were those determinations made, the ones that
16	and I believe Mr. McDonald in response to		6	you were involved in?
17	question last week, you indicated in your			HENDERSON:
18	memory you cannot recall any instance of			The discussions around - I can't recall the
19	disagreement or conflict. You were asked h		9	specific time, but it would have been in
20	conflict would be dealt with and your answ		20	advance of the application going to the Board.
21	was you couldn't recall that there had been		21	We were looking at ways to execute that and
22	conflict or disagreement about a particular		22	different options were being considered as to
23	matter, and then if we could go to Mr.		23	how to do that, and the idea of having the
24	McDonald's response at the top of page 8		24	Lower Churchill group do it was brought
25	"Yeah, I think there was in the contexts of	2	25	forward because of the things that we talked
		Page 10		Page 12
1	questions I was being asked around the thin		1	about with Mr. O'Brien in terms of the
2	line from the Bay d'Espoir to Western Aval		2	benefits that we would get there. So we
3	and I can certainly remember, you know, ar		3	continued to explore that, and so Mr. MacIsaac
4	commercial decisions like that and capital		4	and Mr Gardiner would also have been involved
5	decision, no, I don't have a recall", and what		5	because that's an area of Mr. Gardiner's
6	Mr. McDonald is referring to there is an		6	responsibility particularly within PETS,
7	earlier line of questioning from Mr. O'Brien		7	within that group, to work the solution as to
8	I believe, to Mr. McDonald. I just wanted t		8	what was the most effective way and cost
9	set the context that this was discussing the		9	effective way to complete that project.
10	conflicts, if there are conflicts, how they're			COXWORTHY:
11	resolved, what issues may have come up the			So were you in the VP Hydro position at the
12	required that type of consideration. I'd like		2	time of your involvement in these
13	to go now to the September 22nd transcrip		3	determinations?
14	page 51. I'm not going to go to Mr.			HENDERSON:
15	McDonald's evidence because essentially			Yes, it was in that role that I recall the
16	McDonald when he was being asked by O'Prion about this issue suggested that eith		6	discussions.
17	O'Brien about this issue suggested that eith yourself or Mr. MacIsaac would be the bett			COXWORTHY: Mr. O'Brian's questions continue in this vain
18	persons to ask about what discussions may		8 Q. 9	Mr. O'Brien's questions continue in this vein and I'm not going to go through it page by
19	-			page, but I want to go forward to page 57 in
20	been around the secondment of Hydro empl to the Lower Churchill Management Corpo	-	20	
21 22	in relation to the Bay d'Espoir Western Ava		21 22	the same transcript, line 13. Mr. O'Brien then asks you, "One of the things I wanted to
22	transmission line that Mr. McDonald said		22 23	ask you about is the individuals that were
23 24	had not had direct involvement with that.		23 24	seconded out of Hydro in the first place, was
24	can go to his evidence if need be, and he		24 25	there an analysis done as to whether that was
25	cuir 50 to mis evidence in need be, and ne	2		there an unarysis done as to whether that was

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1 in the best interest to Hydro to second these	1	sanction, it was standard practice, as I
2 individuals out, whether there would be any	2	understand it, that we would take some Hydro
3 resourcing issues as a result of that", and	3	employees and embed them in the project,
4 this is the - I think it's clear from the	4	recognizing that eventually those assets would
5 context if went through the whole transcript,	5	return to Hydro, and the best way to gain that
6 this is the seconding out of Hydro employees	6	knowledge and the build would be to take Hydro
7 to the Lower Churchill Management Corporation	. 7	employees - our employees and embed them in
8 Your answer was, "When that occurred, that was	8	the project, so that when the asset came back
9 several years ago, I wasn't party to any	9	in we would have the expertise, and in
10 discussions, so I can't really say what was	10	particular this one, you know - I wasn't
11 done or what the considerations were taken at	11	involved in the decision, but I knew what was
12 that time", and Mr. McDonald, I will say, gave	12	going on, and with the DC technology that was
13 a similar answer, although he was in the VP	13	being employed, it was certainly a good move
14 Human Resources, that he wasn't involved in	14	to take some people that had expertise in
15 those discussions at that time. You were	15	Hydro in transmission directly, to put them
16 Manager of Systems Operations at that time, so	16	over on the project to lend them to get that
17 you didn't have any involvement in those	17	expertise and give oversight and guidance.
18 discussions as Manager of System Operations?	18	MR. COXWORTHY:
19 MR. HENDERSON:	19	Q. Those persons that were seconded to the Lower
20 A. No, there was nobody in my particular group in	20	Churchill Management Corporation, what were
21 System Operations that would have been part of	21	their responsibilities within Hydro before
that. So this would have been specifically	22	they were seconded?
23 engineering people. It would have been our	23	MR. GARDINER:
24 engineering services division at that time.	24	A. They were responsible - we had one person that
25 MR. COXWORTHY:	25	was an easement and property person. There was
Р	Page 14	Page 16
1 Q. They would be the ones to decide whether i	it 1	
2 was in the interest of Hydro to second Hydro		
3 employees to another Nalcor entity?	3	MR. COXWORTHY:
4 MR. HENDERSON:	4	Q. So two persons?
5 A. I'm not sure the process that went through.	5	MR. GARDINER:
6 This was a project, obviously a very	6	A. From transmission, that's correct, and then we
7 significant project that would have long term	ı 7	had some junior engineers, John Walsh, and
8 impacts on Hydro, so putting the right people	e 8	that, he continued over with them as well. He
9 in on a project would have been a	9	was a co-op student at the time and he was
10 consideration when there was determination	of 10	just graduating, so he was placed over there
11 that, but that was, I'll say, a very good many	11	as well.
12 years ago. Terry might remember when, but	the 12	MR. COXWORTHY:
13 person that was there with Hydro, he's been	n 13	Q. So the work that those people were doing
14 with that project now for quite a while.	14	within Hydro before they were seconded to the
15 MR. COXWORTHY:	15	Lower, who took up that work within Hydro?
16 Q. Well, perhaps - thank you, Mr. Henderson	. 16	MR. GARDINER:
17 Perhaps I'll take up your invitation. Mr.	17	A. There was some additional hires that we made
18 Gardiner, were you involved in this decision	, 18	
19 this analysis at the time of deciding whether	19	
20 Hydro employees, whether it was in the bes		
21 interest of Hydro to second Hydro employee		MR. COXWORTHY:
22 the Lower Churchill Management Corporation	on? 22	
23 (9:15 a.m.)	23	1
24 MR. GARDINER:		MR. GARDINER:
25 A. I think when the Lower Churchill received	1 25	A. Absolutely, absolutely, 100 percent, and the

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1 same would have hap	pened with the transmission	1	there to facilitate the interview as well.
2 people that went over	as well, right.	2 1	MR. COXWORTHY:
3 MR. COXWORTHY:	:	3	Q. And is the HROE person a Nalcor employee?
4 Q. Mr. Henderson, if I co	ould go back to you, if	41	MR. GARDINER:
5 this decision was bein	ng made today to second	5	A. I'm not sure. I don't know. I look at the -
6 individuals out of Hy	vdro to another Nalcor	6	when we sit there, I look at in the terms of
7 entity for a project lik	e this, would you be	7	that person is there providing a function to
8 involved in that decis	ion?	8	us.
9 MR. HENDERSON:		9 N	MR. COXWORTHY:
10 A. Yes, I would. That	would be an important 10	0	Q. But at the higher policy level, it doesn't
11 consideration as to w	hat impact that would 1	1	sound like you're involved in making decisions
12 have, so that would b	be part of it. Some of 12	2	or assisting or aligning Hydro's objectives
13 the positions that wou	Id be put in there, they	3	with Nalcor objectives in terms of HR?
-	· ·	4 N	MR. GARDINER:
	oose to take a vacancy 1	5	A. From a project execution and technical
		6	
applied, and if a perso		7	Engineering and Project Services, one of the
18 MR. COXWORTHY:	11	8	things that I keep is the staffing, so in
19 Q. They could transfer to			terms of when we have vacancies, I guess Mr.
20 MR. HENDERSON:	20		MacIsaac has asked me to look at to make sure
21 A. They could transfer, a			that these positions are filled in an
-	uldn't restrict people from 22		expeditious manner, so I do meet somewhat
23 other opportunities.	22		regularly with HR to make sure that we're
24 MR. COXWORTHY:	24		getting those positions filled.
25 Q. Mr. Gardiner, at your			MR. COXWORTHY:
	Page 18		Page 2
1 to implement directio		1	Q. And if there's a problem with getting those
2 at your level?		2	
3 MR. GARDINER:		2	with the assistance you were getting from HR
4 A. Other than hiring, or i		4	in getting those, if there was -
5 advertising and ensur	-		MR. GARDINER:
6 MR. COXWORTHY:	•	6	
			MR. COXWORTHY:
 7 Q. We've heard Mr. Ro 8 he's asked to sit in - I 	-	8	Q. Who would you - I understand. I was sort of
	2		
		9	hear, but if there was one, who would you go
	0 /	0	• •
			to with that problem and say, look, we have
12 MR. GARDINER:		2	something we need to work out here, who would
13 A. That has happened.		3	you go to within either the Hydro or Nalcor
	· 1	4	organization to sort that out?
	J 1		MR. GARDINER:
-	· · · · · ·	6	
-	ture our interview, they 1'		and then we would have a conversation with Mr.
18 have a part to play, a	-	8	Roberts. That hasn't happened, but that's as
19 play at job related, so	-	9	I would see -
-	1 1		MR. COXWORTHY:
-	ld - if we're hiring a 2		Q. That would be the chain?
e	0		MR. GARDINER:
	e probably from IT that 2		A. Absolutely. I would certainly take it to Mr.
24 would sit in at differ	-		MacIsaac first, who I report to, and then -
there would be a HRC	DE person that would be 2:	25	but that hasn't happened. Normally things are

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1	done in an expeditious manner, we adve	ertise in	1	understand why	the charges are coming in.
2	a timely manner, receive the application	ns, we	2 MI	R. COXWORTHY:	
3	review, set up the interviews, and a se	cond 3	3	Q. So these issues w	vould sometimes come to you,
4	interview, you know, which HR reaches	s out to	4	they would come	e up the chain, and you would
5	all those candidates in that function, a	and f	5	look at it yoursel	f?
6	then we fill in and we have a discuss	sion e		R. HENDERSON:	
7	usually to see who the best candidate is		7	•	ot been brought to my attention
8	then the offer is made and it's done in t		8	-	ll I'm saying is that I know
9	of the hiring stuff, salary, and variou	15	9	-	neral mechanism that would
10	things like that.	10	0	-	ere inappropriate charges.
1	MR. COXWORTHY:	11		•	ealt with at the individual
12	Q. Thank you, Mr. Gardiner. I'd like to me				aging those accounts.
13	but still broadly within the same area			R. COXWORTHY:	
14	terms of areas of potential conflict, b				whether it's inappropriate? Is
15	you'll recall, Mr. Henderson, yesterda	•			different individuals, all
16	spoke about work orders and how a l			-	nization who make those
17	employees within Nalcor who charge			decisions?	
18	time within Hydro would look to the wo			R. HENDERSON:	
19	that describes whatever project they			A. Each individual	
20	working on as providing some guida				d they manage their budgets
21	providing "the" guidance as to whether				ey're meeting expectations
22	time that should be charged directly in			-	heir particular budget for
23	Hydro, and Mr. Roberts has given us a example of that in terms of how he char	-		R. COXWORTHY:	are expected to do that.
24 25	time. You were then going to go on,	-			disagreement between the
25	time. Four were then going to go on,		5	Q. And it there is t	
1	said we would return to that. Who with	Page 22	1	individual within	Page 24 h Hydro, whoever that happens
$\begin{vmatrix} 1\\ 2 \end{vmatrix}$	Hydro organization monitors/audits w		1 2		icular business unit who is
$\begin{vmatrix} 2\\ 3 \end{vmatrix}$	those work orders are appropriately ch		2 3	-	vork orders and the person who
4	directly to Hydro as opposed to otherwi		3 4	U	from Nalcor, how does that
1	AR. HENDERSON:		5	disagreement get	
6	A. The charges that go in go into a busin	-		R. HENDERSON:	
7	unit, and that business unit manager w				late up, I would expect, to
8	accountability for that particular area w		8		t couldn't be resolved, but
9	see the charges come in, and would be		9	I have -	
10	to look at the charges if they see somet	·	0 MI	R. COXWORTHY:	
11	that's excessive, they would be lookin	-			me up to your level?
12	understand that and make adjustments.	-		R. HENDERSON:	1 5
13	in my own experience when I was wit		3	A. I've never had a	nything come to my level to
14	Operations, that type of thing, I would	-		say anything in t	•••••••••••••••••••••••••••••••••••••••
15	looking at the charge in that's coming i		5 MI	R. COXWORTHY:	C .
16	if there was - and I have had that wh		6	Q. And below you,	who would it escalate up to if
17	somebody used the wrong work order	and say, 17		•	n issue that did escalate?
18	listen, that doesn't belong, and talk to t	-	8 MI	R. HENDERSON:	
19	person who put that in and understand t		9	A. Well, I mean, the	ere is an organization chain
20	and we get it straightened out to make s	sure it 20	0	here where ea	ch manager has their
21	was the right charges that are coming in	n to my 21	1		at they can go to their next
22	area of responsibility. So each manage		2	level, which coul	ld be a vice president, or it
23	their own area of accountability with re	-	3	could be a more	senior manager.
24	to their budget, and they would be expe			R. COXWORTHY:	
25	monitor for the appropriate charges and	l would 25	5	0. Who would be the	ne person immediately below you

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1 who would be responsible for that?	1 A. Yes.	
2 MR. HENDERSON:	2 MR. COXWORTHY:	
3 A. Below me, I have the COO, Chief Operat	ing 3 Q. Ms. Russell report	s in the charts that I've
4 Officer, would address those if they came	to 4 seen at PUB-NLH-1	38 to a Nalcor officer,
5 his attention. I doubt very much - I woul		
6 think most of them would be at the - fo	× ,	
7 instance, a plant manager level or a region		
8 manager level type of - at their level whe	-	orts to the CFO who is an
9 they're looking at the roll up of their	-	ut a Nalcor employee.
10 operating expenses.	10 MR. COXWORTHY:	
11 MR. COXWORTHY:	11 Q. Is he part of the Hy	/dro leadership team?
12 Q. Correct me if I'm wrong, or if you haven't		1 1 2 1 1 1 1 1
13 an opportunity to explain this, but it doesn		volved at the higher level
14 appear to me that there's a single point of		oesn't - he's not a regular
15 accountability within Hydro in terms of	-	dro leadership team.
verifying whether charges being chargedfrom Nalcor are appropriate, that there ar		his discussion to the laws!
		his discussion to the level are listed in PUB-NLH-228,
18 multiple points of accountability?19 MR. HENDERSON:		Nalcor who are charging
20 A. There is. It would be flagged to my attent		was a question about the
21 if it was excessive in the sense that when		xe, who doesn't charge in a
22 see the monthly report and the finance gro		e, directly to Hydro, but
23 flag to me, let's say, that there's a lot of	-	d you expect that Ms.
time charged in, then we would look into t		linate, would be able to
but there hasn't been an issue in that regar		h him in a way that they
	Page 26	Page 28
1 flagged to me.	1 could resolve a cor	-
2 MR. COXWORTHY:	2 MR. HENDERSON:	
3 Q. And I thought we might work our way to	wards 3 A. I would think so, t	hat she would be able to
4 the finance group because, I think, based		hat there's a concern
5 earlier evidence, if there was any sort of	5 there.	
6 collection or aggregation of responsibility	6 MR. COXWORTHY:	
7 it sounds like it might end up in there if	7 Q. We'll have the op	portunity to ask her about
8 there was reason to look at in aggregate	8 whether that's eve	er occurred. So that
9 whether the charges that were coming in f	rom 9 wouldn't come to	ou, though, that would go to
10 Nalcor were reasonable?	10 a Nalcor officer w	ho is not a member of the
11 MR. HENDERSON:	11 Hydro leadership t	eam?
12 A. That's right.	12 MR. HENDERSON:	
13 MR. COXWORTHY:		ld also come to me when
14 Q. Who then within your finance at Hydro we		
15 that single - that point of accountability? I	15 MR. COXWORTHY:	1, ,
16 won't say "single", we've already establish		ght go to you without going
17 there isn't a single, but who would be that		
18 point of accountability?19 MR. HENDERSON:	18 MR. HENDERSON:	ma with record to charges
		me with regard to charges in. She attends and
	Ũ	Hydro leadership team and
Finance would have the general accountab with respect to that.		the changes in the
22 with respect to that. 23 MR. COXWORTHY:	-	s, and if it was due to
24 Q. This would be Ms. Russell?		be brought to me and dealt
25 MR. HENDERSON:	25 with there.	et crought to me und douit

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	Р	age 29			Page 31
1 N	AR. COXWORTHY:		1	customers?	
2	Q. With respect to the VP Human Resources a	nd	2 M	AR. HENDERSON:	
3	Organizational Effectiveness, and I've asked	1	3	A. The work that Mr. McDonald is	going with
4	you some questions about this, as well as Mr		4	regard to that is to assist in that	full
5	McDonald and Mr. Roberts, and they have	ve	5	coordination of the integration.	He's
6	indicated that in 2015/2016, that the numbers	5	6	providing a very important coordin	nation role
7	that are in PUB-NLH-228 represent time that's		7	that's working with Hydro folks in	terms of
8	going to be put in by both of them, and as I		8	getting all of the work done, organ	izing it,
9	understand it, to a large extent, not		9	ensuring there's regular meetin	gs and
10	exclusively, to a large extent in relation to		10	everything keeps moving forward.	So that's a
11	the integration of Hydro with the Muskrat		11	very much bringing all the people	together
12	Falls Lower Churchill generation, the		12	that's required to get what we call t	the "ready
13	transmission of that generation to the island		13	for operations" activities completed	1.
14	and the Maritime Link, the integration of tha	t	14 M	AR. COXWORTHY:	
15	piece into Hydro?		15	Q. Isn't this integration piece of benef	it to the
16 N	AR. HENDERSON:		16	whole of the Nalcor organization, o	or at least
17	A. Yes, the integration of those assets into		17	across several lines of business as o	opposed to
18	Hydro's ongoing operation.		18	something that's just to the benefit	of Hydro?
19 N	AR. COXWORTHY:		19 M	AR. HENDERSON:	-
20	Q. And those are all non-regulated projects?		20	A. This would be very much to Hydro	's benefit and
21 N	AR. HENDERSON:		21	to Hydro's customers benefit beca	
22	A. That's correct.		22	assets and these facilities will be u	used to
23 N	AR. COXWORTHY:		23	supply Hydro's customers, so the	e primary
24	Q. Do you feel it's appropriate that Hydro's		24	purpose of all of the assets is to p	
25	customers should be bearing the cost of the		25	service to the customers of Newfo	undland and
	Р	age 30			Page 32
1	integration of non-regulated projects into	0	1	Labrador Hydro. Yes, it is approp	-
2	Hydro?		2	customers to be paying for that bec	
3 N	AR. HENDERSON:		3	in the end ultimately to serve their	
4	A. Yes, the cost related to the integration of		4	(phonetic - coughing).	
5	these will be - the cost of all of these		5 N	AR. COXWORTHY:	
6	assets will ultimately be used to supply		6	Q. And in the end, absolutely wh	en the
7	Hydro's customers in the province, and they'	'11	7	integration is completed, but bef	ore the
8	be paid for by those customers, so it's very		8	integration is completed, aren't	
9	appropriate for Hydro to be very much invol-	ved	9	services that are being provided in	relation
10	with the integration to ensure that it's		10	to integration as much in relation to	
11	properly done, ensure proper long term		11	Nalcor entities that are involved in	
12	reliable operation, effective operation, so I		12	projects as it is in relation to Hydro	o?
13	think it is very appropriate that Hydro be		13 M	AR. HENDERSON:	
14	very much involved with that and ensuring the	nat	14	A. Well, all of the activities related to	o those
15	that's the case so this all works well		15	entities, while they are not regulat	ted, the
16	together.		16	cost will all flow back in to custom	ers.
17 N	AR. COXWORTHY:		17 M	AR. COXWORTHY:	
18	Q. I'm not questioning that Hydro employee	s	18	Q. That's the question I'm asking, wh	ether that's
19	shouldn't be involved in that, that's the		19	appropriate?	
20	regulated business and any costs involved wi		20 N	AR. HENDERSON:	
21	Hydro employees being involved with that	is	21	A. So the -	
22	properly addressed in this form here. What		22 N	AR. COXWORTHY:	
23	I'm asking is officers from the non-regulated		23	Q. If it's costs that are not only in rela	tion to
24	entities involved in that process, is it		24	Hydro, but in relation to non-regula	ated Hydro
25	appropriate that that be charged to the Hydro		25	entities?	

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1 MR. HENDERSON:	1 with regard to assis	ting in the reporting for,
2 A. It's costs related to providing electricity	2 for instance, the - I	ll give an example, the
3 service in the province, so to the extent that	3 most recent piece o	f work that he was working
4 that's what they are for, which is what it is	4 on was the winter i	readiness report that got
5 for, then that is appropriate that customers	5 filed recently. Mr.	McDonald was part of the
6 pay for the cost that's required to provide	6 coordination of th	at, which was a direct
7 them long term reliable service.	7 activity for Hydro.	
8 MR. COXWORTHY:	8 MR. COXWORTHY:	
9 Q. Mr. Martin has said there's all sorts of	9 Q. So is that not part	of the organizational
10 services that are provided by Nalcor officers	10 effectiveness aspec	t of the HROE position?
11 that have as part of their objective providing	11 MR. HENDERSON:	-
12 services to Hydro, and ultimately that means	12 A. What I - no, not wh	at he was doing there. It
13 providing electrical services, and Mr. Martin		and basically doing work
has said, look, but if there's any aspect of		Hydro group, you know,
15 it that also benefits other Nalcor lines of		y, in order to complete
business, we don't charge that into Hydro.	16 that work.	
17 MR. HENDERSON:	17 MR. COXWORTHY:	
18 A. That's correct.		that there is one VP HROE
19 MR. COXWORTHY:	-	ervices to Hydro, part
20 Q. Yeah, so why would this integration piece,	~ -	pective of Hydro, he's not
21 work in relation to that be charged into		nt of his time to Hydro, do
22 Hydro?	22 you agree with that	
23 MR. HENDERSON:	23 MR. HENDERSON:	
A. Because this is the integration of equipment	A. That's correct.	
and generation that is going to be used to	25 MR. COXWORTHY:	
	ge 34	Page 36
1 supply electricity to Newfoundland and	1 Q. We're talking abou	
2 Labrador Hydro's customers.	2 MR. HENDERSON:	
3 MR. COXWORTHY:	3 A. Yes.	
4 Q. With respect to the Vice President of Human		
5 Resources, plural, there are now effectively		t the challenges that Hydro
6 two Vice President of Human Resources of		pects to continue to have
 Nalcor who provide services to Hydro that are 	E.	lividuals, hiring new
 being charged in to Hydro. We've established 	C C	vacancies as they come
9 this.		rkforce. Is Hydro, as a
10 MR. HENDERSON:		asked with providing
	Ç	ervice to customers, is
11 A. I would say, yes, but Mr. Roberts is 12 essentially the Vice President of Human		aving a part time Vice
12 essentially the vice resident of Human 13 Resources and Organizational Effectiveness,		an Resources, given the
		-
	U	acing:
there has been no permanent change, but Mr.McDonald is in effect doing a different role		oke if I said it was part
-	16 A. I must have mission 17 time.	n i saiu it was pait
that is not HROE, it's a totally differentrole.		
18 role. 19 MR. COXWORTHY:	18 MR. COXWORTHY:	idn't If you want to
		idn't. If you want to
20 Q. If it's not an HROE role, what is the role	-	characterization, please
21 that Mr. McDonald is playing?	21 explain?	
22 MR. HENDERSON:	22 MR. HENDERSON:	abouts is highly former 1 and
23 A. The main role that he is playing with respect		oberts is highly focused on
24 to what he's charging into Hydro is around the	-	oup of people working with
25 integration work and he continues to do work	25 him who are part of	the Hydro leadership team

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1	that are highly focused on those activities,	1	1 issues?
2	and Mr. Roberts has a broader responsibility	2	2 MR. HENDERSON:
3	which would also pick up other Nalcor	3	A. The time charged here, that's the specific
4	activities, so all of his time is not charged	4	time that he would charge that would be
5	to Hydro, but he is very much engaged in that	5	5 directly related to Hydro. The Nalcor Energy
6	issue, and he has people working for him that	6	time would be of a more general nature, but
7	are totally dedicated to that issue.	7	7 would involve the issues of recruitment and
8	MR. COXWORTHY:	8	8 retention for all of Nalcor, and that would be
9	Q. But he's not 100 percent engaged to Hydro	9	primarily Hydro because Hydro has the largest
10	issues?	10	group of employees, and it would also involve
11	MR. HENDERSON:	11	1 CF(L)Co, which is another fairly large
12	A. He would be 100 percent engaged in the issues	12	2 operation which have the same challenges and
13	of recruitment and retention of people in	13	3 the solutions and challenges would be equally
14	general within the Nalcor group, but there's	14	4 applicable, but he did not specifically carve
15	specific times that he's focused on Hydro	15	5 up that general time into those two entities,
16	which he'll charge his time to, and as you can	16	5 he just charged his time into Nalcor, in
17	see, he does put a considerable amount of time	17	7 general.
18	to that, but he also has a team of individuals	18	8 MR. COXWORTHY:
19	who are totally dedicated to this.	19	Q. And I'm not saying that that's not important
20	MR. COXWORTHY:	20	time for him to spend on working on the work
21	Q. Well, we can certainly see that in 2015 and	21	that's done by the non-regulated entities, but
22	2016 that the intention is for a large amount	22	2 it's a question of whether Hydro is getting
23	of VP HROE time to be charged in to Hydro, but	23	the time devoted to its human resources
24	that wasn't the case in 2012 and 2013. The	24	4 issues. From a leadership position and the VP
25	challenges I was talking about before in	25	5 HR, I would think would be the senior
	Page 38		Page 40
1	relation to hiring employees to fill	1	
2	vacancies, retention of employees, aging	2	
3	workforce, those existed in 2012 and 2013,	3	3 MR. HENDERSON:
4	would you agree?	4	A. And on the Nalcor - on the Hydro leadership
5	MR. HENDERSON:	5	5 team there are people who are totally focused
6	A. Yes, they have, they've existed for a few	6	
7	years.	7	· · · · · · · · · · · · · · · · · · ·
8	MR. COXWORTHY:	8	
9	Q. If we could turn to the response to	9	
10	Undertaking 24.	10	have regular discussions with the people on
11	MS. GRAY:	11	the Hydro leadership team with regard to those
12	Q. I'm sorry, Mr. Coxworthy, which one?	12	
13	MR. COXWORTHY:	13	3 sure that they're being addressed, and I'd
14	Q. Undertaking 24. This was an undertaking, a	14	
15	request that Mr. McDonald, who was the VP HROE	15	_
16	at the time, without qualification in	16	5 very much involved with that.
17	2012/2013 to provide the allocations of his	17	7 MR. COXWORTHY:
18	time in those years, and you will see that	18	Q. Thank you, Mr. Henderson. Mr. Henderson, to
19	there was comparatively, compared to 2014,	19	ensure accountability and transparency as a
20	2015, and 2016, very little time or certainly	20	regulated utility, wouldn't Hydro's customers
21	a substantially smaller amount of time; 392	21	
22	hours, 202 hours, directly charged to Hydro.	22	2 dedicated leadership team at the senior level,
23	Again I would put it to you at least in those	23	_
24	years, did Hydro have a VP HROE who was	24	
	spending primarily their time addressing Hydro	1	5 Corporate Communications as a Hydro employee,

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1	wouldn't that be best from the point of view	1	1 MR	R. HENDERSON:	
2	of at least transparency and accountability to	2	2	A. Well, the way that we've structured is we have	
3	the Board and ultimately to the public?		3	specific people who are accountable for that	
4 1	MR. HENDERSON:	2	4	activity for Hydro in the functional areas and	
5	A. The organization has been working effectively	4	5	those are the people who are on the Hydro	
6	in these areas, and this way in which there's	6	6	leadership team and they are providing that	
7	a shared service, there's economies of scale	1	7	dedicated focus and have that accountability	
8	that the customers will benefit by having	8	8	to provide that service.	
9	that, and so this has worked well in terms of	9	9 MR	R. COXWORTHY:	
10	bringing value to our customers for these	10	0 0	Q. Thank you, Mr. Henderson. I have no further	
11	services by having them share in this manner.	11	1	questions.	
12	So as long as that continues to bring value, I	12	2 СН/	AIRMAN:	
13	would suggest that it's best for the customers	13	3 (Q. Mr. O'Reilly, sir.	
14	to have that. If at some point that value can	14	4 MR	R. ROBERT HENDERSON	
15	be obtained by it being dedicated, then that	15	5 MR	A. DARREN MOORE	
16	may change in the future, but at this point	16	6 MR	. TERRY GARDINER	
17	and up to this point in time it's been	17	7 CRG	OSS-EXAMINATION BY O'REILLY, Q.C.:	
18	beneficial to customers to have a shared			REILLY, Q.C.:	
19	services model, and it's a model that's worked	19	9 (Q. Thank you, Mr. Chairman. Good morning,	
20	with Hydro for many years. Prior to Nalcor,	20	0	gentlemen, my name is Tom O'Reilly, and with	
21	Hydro group had CF(L)Co still part of it and	2	1	me is Mr. Denis Fleming and Mr. Mel Dean. We	
22	it was a shared services model that worked	22	2	represent the interest of Vale Newfoundland in	
23	there as well. This has always, I'll say in	23	3	this GRA hearing. I just want to continue	
24	my experience, been the way - maybe in the	24	4	very briefly on the general discussion that	
25	very early years I started, I'm not sure of	25	5	Mr. Coxworthy was leading you through, and I	
	Page	42		Pag	e 44
1	CF(L)Co might have been separated out, but for		1	wonder - I'm kind of interested when I see the	
2	a long time this model has brought benefit by		2	witness list, the positions in Operations. Mr.	
3	having that economies of scale there.		3	Henderson is the VP of Newfoundland and	
4 1	MR. COXWORTHY:	4	4	Labrador Hydro. Mr. Henderson, that's the top	
5	Q. And I don't mean to flippant to provide this	4	5	position in the regulated part of Hydro,	
6	example, but I wanted to provide the contrast.		6	correct?	
7	Certainly economies of scale when we talk		7 MR	R. HENDERSON:	
8	about sharing a building, Hydro Place, or			A. It is.	
9	being a single source supplier in terms	0		REILLY, Q.C.:	
10	getting all your office supplies purchased at	10		Q. Mr. Gardiner, Manager of Engineering	
11	one point of purchase by Nalcor and then	1		Transmission and Distribution, and Mr. Moore,	
12	distributing, you know, those are obvious	12	2	Manager of Transmission and Rural Operations	
13	economies of scale, no one is disputing that	13		I wonder can we just turn up GRA application,	
14	that makes sense, but would you agree isn't it	14		Volume 2, Exhibit 1. I just want to see where	
15	a little bit more complicated when you're	1.		everybody fits into this mosaic. Schedule 1,	
16	trying to determine whether there are	16		page 3. Now we see regulated operations, Vice	;
17	economies of scale when we're talking about	17		President Newfoundland and Labrador, and I	
18	decision making at the senior level, you know,	18		think that's the position you fill, Mr.	
19	how do you measure economies of scale in terms	19		Henderson, correct?	
20	of not just the salary you're paying that			R. HENDERSON:	
21	person, but whether that person is spending	21		A. That's correct.	
22	the time that needs to be spent on, and the			REILLY, Q.C.:	
23	concern we have here is on the regulated	23		Q. Okay. Now in the case of Mr. Moore - I'm	
24	utility?	24		sorry, Mr. Gardiner - sorry, Mr. Moore, where	
	(9:45 a.m.)	25		do you fit in, is your position here on this	
- (

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1 Schedule 1?	-	oint out where - the position to
2 MR. MOORE:		port, is that indicated in this
3 A. Yes, it is. It's in the bottom lower let		A -
4 corner, the General Manager, Transmis	C C	
5 Rural Operations.		e President of Project Execution
6 O'REILLY, Q.C.:	6 and Technica	-
7 Q. Okay, yes, I see that. Now Mr. Gardin		
8 your position there?		ur immediate - you report to a
9 MR. GARDINER:	9 Nalcor positi	
10 A. I don't believe so.	10 MR. GARDINER:	
11 O'REILLY, Q.C.:	11 A. I do.	
12 Q. So can I go down to page 8. Is your po		
indicated on this schematic drawing?		other - you report to a Hydro
14 MR. GARDINER:	14 position?	other - you report to a Tryuto
15 A. Yes, it is. It's referenced as Manager	-	
e e		
16 Engineering and Transmission Distrib		
17 About two years ago, my position title	-	ht Coin this the matrix for
to Manager of Engineering and Project		ht. So is this the matrix for
19 Services.		nent that we've heard some
20 O'REILLY, Q.C.:		bout that your position is
21 Q. I'm sorry, tell me again where is it?	21 seconded to 1	Hydro?
22 MR. GARDINER:	22 MR. GARDINER:	
A. It's the Manager of Engineering Trans	-	way Project Execution and
and Distribution. It's the third one over		rvices matrix organization is set
25 the -	25 up is that we	e provide those services to all
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1 O'REILLY, Q.C.:	1 lines of bus	iness, and being Manager of
2 Q. On the second line?	2 Engineering	and Support Services, I've been
3 MR. GARDINER:	3 delegated, I g	guess, by Mr. MacIsaac to sit on
4 A. Yes, that's correct.	4 the Hydro lea	adership team. I look after the
5 O'REILLY, Q.C.:	5 engineering s	services for the civil and the
6 Q. That's your position?	6 transmission	group. I'm also responsible for
7 MR. GARDINER:		ervices that we provide to Hydro
8 A. Yes, it is.		lrafting properties and safety,
9 O'REILLY, Q.C.:		upport. As part of the project
10 Q. And you report to the Vice President -		also responsible for monitoring
11 MR. GARDINER:		s and maintenance budget.
12 A. Of Project Execution.	12 O'REILLY, Q.C.:	is and maintenance budget.
13 O'REILLY, Q.C.:		terms of the organizational
14 Q. Of Project Execution, okay. So can w	-	report to a Nalcor position?
to - at the Vice President level, can we		a report to a randor position:
16 to page 1.		r. MacIsaac is Vice President of
17 MS. GRAY:	-	ution and Technical Services, and
	c .	or employee.
		or employee.
19 O'REILLY, Q.C.:	19 O'REILLY, Q.C.:	cor position?
20 Q. Sorry, page 2, I'm sorry, Schedule 1. S		cor position?
21 is above the regulated industry. We'r		.,.
22 into the Nalcor structure, are we not?		cor position, sorry.
23 MR. HENDERSON:	23 O'REILLY, Q.C.:	
A. Yes, that's correct.	- •	t to have a brief discussion about
25 O'REILLY, Q.C.:	25 asset manage	ement, and I don't know who that

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1	could properly go to, but throughout the	1		to that. If you want to talk specifics,
2	hearing we've been hearing issues relating to	2		Darren could talk about what happens in
3	the backlog of maintenance on transformers and	3		transmission and rural operations, but we do
4	circuit breakers. That's been a discussion	4		have a backlog management where the work
5	that's come up before. I'm sure you're not a	5		planners and schedulers monitor the work in
6	stranger to it. Can I ask you to turn up,	6	i	the backlog, and what the backlog is, it's
7	please, Vale NLH-089, Revision 1, and can we	7		basically a listing of work that has been
8	go to Table 1, please. Now this is, I guess,	8		identified to be done that needs to be
9	the record of planned maintenance for	9)	scheduled, and make sure that you have all the
10	transformers and preventative maintenance that	10)	materials and everything together, the people
11	was completed, planned and completed for	11		identified to do the work. So it goes into
12	transformers between 2010 and 2015 forecast,	12		the -
13	and so on, but - and Table 2 deals with the	13	O'R	REILLY, Q.C.:
14	circuit breakers, the same sort of basic	14	Q). That's planning, that's the planning part?
15	information, but it relates to circuit	15	MR.	HENDERSON:
16	breakers, and between 2010 and 2013, at no	16	A	A. But it is - that's what the backlog is, it's a
17	point has a target or a planned maintenance	17		group of work, it could be individual work
18	been achieved. What was planned, there hasn't	18		orders of work that has been identified to be
19	been completion of the planned maintenance in	19	1	done.
20	any of these cases. Agreed?	20	O'R	REILLY, Q.C.:
21 N	MR. MOORE:	21	Q). Okay.
22	A. That's right.	22	MR.	HENDERSON:
23 (D'REILLY, Q.C.:	23	A	A. And so the work schedulers and planners use
24	Q. Okay, all right.	24		that list to determine the work that will be
25 N	MR. HENDERSON:	25		done when there's an outage on equipment. So
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1	A. There was maintenance completed. I'm not sure	1		you could end up with a large number of items
2	- you're saying it wasn't 100 percent	2		on that list, and then when you get to your
3	completed?	3		annual maintenance for your generators, for
4 (D'REILLY, Q.C.:	4		instance, you would then take that backlog
5	Q. It wasn't 100 percent completed, that's what	5		list and schedule that work to be done and
6	I'm saying.	6		completed during that maintenance, and during
7 N	MR. HENDERSON:	7		the maintenance the number of work orders in
8	A. Yes.	8		the backlog will be reduced down to a low
9 (D'REILLY, Q.C.:	9		level, and then you move out of the
10	Q. All of it, I said, all of it wasn't completed.	10)	maintenance period, and then you - there may
11 N	MR. HENDERSON:	11		be through regular PM inspections and that
12	A. Okay.	12		sort of thing there will be other items that
	D'REILLY, Q.C.:	13		would be identified that will then go into the
14	Q. What was completed, was completed, but all	14		backlog to be scheduled at the next
15	that was planned was not completed, agreed?	15		opportunity when you can get an outage. So
	MR. HENDERSON:	16		there's - and it's tracked in terms of hours,
17	A. Everything there was not completed, no.	17		the amount of hours for different trades have
	D'REILLY, Q.C.:	18		to execute, and it's also tracked in terms of
19	Q. Okay. Now is there a procedure that Hydro has	19		the number of work items that are being done
20	to track the backlog, you know, is it growing	20		and the objective is to manage that over time
21	or is it levelling, are we catching up, is	21		down to a level that you can achieve when you
22	there some procedure that Hydro has to track	22		have your maintenance.
23	that?			REILLY, Q.C.:
	MR. HENDERSON:	24). Is there anybody responsible for oversight
25	A. In general terms, I'll say, yes. I'll speak	25		management to make sure that that doesn't grow

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1	or get unacceptable at some level, the growth	1	that it gets done?
2	of uncompleted planned maintenance doesn't get	2 MR. H	HENDERSON:
3	done - is there someone who has oversight	3 A	. So what we are doing at my level, seeing how
4	responsibility for that?	4	well we're tracking with respect to our annual
5	MR. HENDERSON:	5	work plan. So every year, at the start of the
6	A. Each of the asset managers who would be, like,	6	year, before we get into our main maintenance
7	the regional managers, or plant managers, have	7	season, we have a work plan to execute the
8	responsibility and accountability to manage	8	maintenance work during that year, which would
9	that work to get it completed. I would like	9	include your corrective and preventative
10	to clarify that you talk about preventative	10	maintenance. So there's a work plan that's
11	maintenance and then there's also corrective	11	established with a work plan for each
12	maintenance, and the backlog can have	12	individual week, if you like, of the year and
13	corrective maintenance work in it and it can	13	what happens is as that work is executed,
14	have preventative maintenance. The objective	14	there is a report that comes to me every week
15	is to have no preventative maintenance in that	15	and it would go to Darren and others in the
16	at all, but corrective maintenance, you'd	16	company which would show progress with respect
17	expect there's always a level of corrective	17	to the planned completion at that point. So,
18	maintenance in the backlog. So the managers	18	that's tracked on a weekly basis.
19	would have accountability to get the	19	If there's anything that's slipping, the
20	preventative maintenance completed. Now there	20	manager is responsible for explaining why it
21	are things that can come up during the course	21	has slipped and what they're doing to correct
22	of a year that may cause preventative	22	it to bring it back into line. And so we look
23	maintenance not to be completed and that could	23	at that every week to determine how well that
24	be the ability to get an outage for a	24	progress is happening and if there is any
25	particular piece of equipment to - because of	25	adjustments, the resources are deployed or,
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1	what's happening on the power system, if you	1	you know, adjustments are made so that we can
2	have a break down somewhere, that takes	2	achieve it to the best of our ability, given
3	equipment out and you can't take another piece	3	the constraints that we have in ensuring that
4	of equipment out while that one is out while	4	we meet customer demand at all time.
5	you're correcting it, you may lose an		EILLY, Q.C.:
6	opportunity to do your preventative		. Is the system of planned or preventative
7	maintenance, and so at times the manager has	7	maintenance, is that tied in any way to the
8	to make judgments as to what they can defer	8	bonus system, the completion of those things
9	and not defer, but the objective is to get all	9	that are planned or failure to complete those?
10	preventative maintenance completed as per the	10	Is that somehow reflected in the bonus system?
11	plan.		HENDERSON:
	(10:00 a.m.)		. Well, in our incentive payments for the
	O'REILLY, Q.C.:	13	managers who have the responsibility for
14	Q. Is there a target or I should say in the case	14	execution of the annual work plan, there are
15	of planned maintenance which doesn't get completed, is there a point at which if	15 16	elements in there, incentive payments related to that work.
16	there's a backlog of that that it gets from		EILLY, Q.C.:
17 18	the level of the manager up the chain? You		So if they complete it, there's an incentive?
18	know, to say "hey, what's going on? We have		HENDERSON:
20	two or three things that were supposed to be		Yes.
20	done, we'd planned to get done. They're not		EILLY, Q.C.:
$ ^{21}_{22}$	being done. What is the issue and what do we		Is there any so if it's not completed, then
23	do to resolve it?" Is there a point at which	22 Q	there's no -
24	that gets up above the manager to someone who		HENDERSON:
25			They don't get the incentive payment.
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1 O'REILLY, Q.C.:		1 0	'REILLY, Q.C.:
2 Q. They don't get the incentive payment, ok	cay.	2	Q. On initial energizing.
3 MR. HENDERSON:		3 M	IR. HENDERSON:
4 A. That's correct.		4	A. So the process of bringing a piece of
5 O'REILLY, Q.C.:		5	equipment into service, there is a
6 Q. And how far up does that go above the m	nanager	6	commissioning process that would go, but I'll
7 line? Is that reflected, for example, in yo	our	7	say before you even put power in, there is an
8 bonus?		8	inspection activity that would be done on a
9 MR. HENDERSON:		9	transmission line where all of the structures
10 A. Yes.	1	10	would be inspected and ensure that they're
11 O'REILLY, Q.C.:	1	11	ready for operation. And then once that's
12 Q. It does?	1	12	confirmed, there's also terminal station
13 MR. HENDERSON:	1	13	equipment that would be on either side of the
14 A. Yeah.	1	14	ends of the line that has to be inspected and
15 O'REILLY, Q.C.:		15	proven. So there's a process that you go
16 Q. Okay. Who in Hydro would be responsi		16	through in terms of a commissioning process.
17 deciding that the level of uncomplete			'REILLY, Q.C.:
18 maintenance is unacceptable? Who wou		18	Q. Right.
19 responsibility for that ultimately?			IR. HENDERSON:
20 MR. HENDERSON:		20	A. Once that is you're satisfied with no power
21 A. Well, ultimately it comes to me.		21	on that it's working as it should, you then
22 O'REILLY, Q.C.:		22	would go through steps to put power on it, and
23 Q. Comes to you, okay. Now, the other th		23	so then you would energize it and you would
24 we've had some discussion about the so-	-	24	expect then that it would if any issues
25 bathtub curve. Is that something that you		25	were not picked up through the inspection
	Page 58		
1 familiar with that approacion?	-	1	Page 60
 familiar with, that expression? MR. HENDERSON: 		1	process that you would pick them up on initial energization and you would put resources in to
		2	÷ · ·
		3	correct that and bring it put the equipment
4 O'REILLY, Q.C.:		4	into service.
5 Q. You are?		5	There can be also other activities which
6 MR. HENDERSON:		6	are things that may occur over the course of
7 A. We actually provided an example of a ba		7	that initial operation that you go through a
8 curve in the evidence.		8	range of weather experiences and other things
9 O'REILLY, Q.C.:		9	like that that may draw out other weaknesses
10 Q. Yeah, so you're familiar with that, right.		10	that weren't picked up on the initial
11 have just a few questions. What I'm tryin	-	11	inspection. When the wind blows in a certain
12 get at is the about the operation and		12	way, for instance, on a transmission line, you
13 maintenance charges for transmission pla		13	may find that a jumper length that you had
14 in the initial period that it goes into		14	wasn't the right length. It should be
15 operation, okay, you understand, transmi		15	adjusted. So, some of those types of things
16 plant for the initial period that it goes into		16	come about in the early service life of a
17 operation. For example, on transmiss		17	transmission line. But once you get through
18 lines, is it normal to have problems with		18	that sort of initial year or so, those types
19 transmission lines when they are firs		19	of things are pretty much resolved and then
20 energized? In other words, new construct		20	you'll go through a long period of time where
21 I'm talking about, is it usual or unusual t	to 2	21	those types of things won't happen until you
22 have on transmission?		22	start to have wear related issues, for
23 MR. HENDERSON:		23	instance, from different -
A. Well, I'll say that it can happen and I'n			'REILLY, Q.C.:
25 familiar with certain -	2	25	Q. Right. That's farther out in the life of the

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1	transmission line though. I'm not I'm		1	those types of components, addressing those
2	talking, focusing now on the initial period,	:	2	issues that may have been a weakness in the
3	okay.		3	design that only comes about after a period of
4	MR. HENDERSON:		4	operation. So there's those types of things.
5	A. Right. So what I described is the type of		5	So that in the bathtub curve, as an
6	things that you might get in the initial		6	example, that's the higher failure rates that
7	period.		7	you get in the initial period of time and
8	O'REILLY, Q.C.:		8	they're not necessarily capital. They would
9	Q. So to the extent that there's some rework or		9	be operating but they would be happening in
10	something that's identified in the	1	0	the very early years of the asset, you know,
11	commissioning phase, would that be considered	d 1	1	I'll say within a year or two of them first
12	a capital cost to get done or a maintenance	1	2	coming into service, and then you'll get into
13	cost?	1	3	the longer stable period and then, of course,
14	MR. HENDERSON:	1	4	as it gets much older, you'll start to see
15	A. It would depend on when it occurred. If it	1	5	other age related activities and issues
16	occurred on initial energization, it would be	1		happening.
17	more than likely capital.	1	7 O'	REILLY, Q.C.:
18	O'REILLY, Q.C.:	1		Q. In the case of new construction, is it usual,
19	Q. Yes, right. Warranty work, for example, that	1		the usual case is that once you get through
20	sort of thing, isn't it? Is that right?	2		the commissioning phase, I'm talking about the
	MR. HENDERSON:	2		normal case, once you get through the initial
22	A. You can get you can have that type of	2		commissioning phase and if there's rework
23	thing.	2		required, it will be part of the, I guess, the
	O'REILLY, Q.C.:	2		installation process. Once you get through
25	Q. But once you've gotten through as I	2		that, there's usually a flattening of that as
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1	understand your evidence, once you've gotten	·	1	you go out that there would be very little
2	through that phase, the commissioning, the		2	maintenance that would be required, after you
2	bugs are worked out at the beginning, then the		2 3	get through the -
4	thing will usually function without further			R. HENDERSON:
5	maintenance until you get to later out in life			A. After you get through the first -
6	of the life of the transmission line?			REILLY, Q.C.:
	MR. HENDERSON:			Q. Working out the bugs.
8	A. Barring what things that happen, like I just			R. HENDERSON:
9	suggested, like you know, over the course of			A. Yes, after you've been working out the bugs,
9 10	the like when you energize a transmission	1		but I just wanted to because you did
10	line, as an example, it may be a nice calm			comment earlier that you suggested that it was
	day, no issues. Then if two months later you	1		capital, but working out the bugs can be
12	have a windy day, it might reveal a weakness	11		operating costs.
13 14	in that and then you would have that would			REILLY, Q.C.:
14 15	be corrected under maintenance.	1		Q. And is that the same thing in the case of
	The other types of things that can happen	1		transformers, the other part of the plant?
16	with new equipment, and I'll say primarily in			R. HENDERSON:
17 18	the terminal station, but it could happen on a			A. It can be, because it and again -
18 19	transmission line. I'm not so familiar with	1		REILLY, Q.C.:
20	it happening on a transmission line. Where	a 20		Q. In other words, that after the commissioning
21	you have equipment that may have come with			phase, the thing usually functions without any
22	weakness that only after being in service for	2		until it gets further out into the life of the unit?
23	a period of time that weakness is revealed and it fails And so those types of things can	2		
24	it fails. And so those types of things can			R. HENDERSON:
25	happen as well and then you end up replacing	2	5	A. That's correct.

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1 O'REILLY, Q.C.:	-	is to conclude from what you said that the
2 Q. Is that correct?		bathtub curve, as its been described, is
3 MR. HENDERSON:	3 r	eally not representative of new construction,
4 A. Now, of course, that you require an ongoin		ransmission terminal? Would you agree with
5 inspection program.	-	hat?
6 O'REILLY, Q.C.:	6 MR. H	ENDERSON:
7 Q. Oh yes, yeah.	7 A. 7	The bathtub curve, that's what I was trying to
8 MR. HENDERSON:	8 6	explain earlier. The bathtub curve has an
9 A. To ensure that there isn't anything there and		nitial period I'll try to explain it
10 there's certain levels of maintenance that ye		verbally without bringing up the evidence, but
11 have to do because certain items, just		basically, there's a period that you have
12 particularly items that, I'll say, wear or		higher failures in the initial period of its
13 consume materials, you have to look after the		ife and then there's a long stable period.
14 as well, you know, over the whole life of th		Those initial failures may be operating
15 asset.		expenses; they may be capital. If they're
16 O'REILLY, Q.C.:		bicked up on the day of energization or within
17 Q. And with respect to, for example, Mr. Fag	_	a very short period of time of it first going
18 talked about yesterday, he mentioned about		nto service, it would be picked up in the
19 Teck Resources line which is the line that w		capital.
20 put in specifically to service that part of		LLY, Q.C.:
21 it. I think he described that it was in like		Yes.
new condition. Is there anybody familiar w	-	ENDERSON:
can comment on that?		But if it was a year later or six months
24 MR. HENDERSON:		ater, it's more likely to be in operating
A. Well, with respect to the normal life of a		expense.
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1 transmission line, that transmission line is	1 O'REI	LLY, Q.C.:
2 very new, relative to others that we have.	2 Q. 7	The operation, the maintenance part of new
3 You know, it's less than ten years old or in		nstallation, new construction of transmission
4 that range.		and, you know, new construction would seem to
5 O'REILLY, Q.C.:	5 t	be transmission line and so on, that would
6 Q. So I would expect that in terms of the		eem to be the operation cost of it would
7 operation, the maintenance costs on that lin	e 7 t	be a small portion of the total cost. Most of
8 would be very, very low?		t would be capital, would you agree, in the
9 MR. HENDERSON:		early stages? Would you agree with that?
10 A. At this point, stage in its life, where it's a		ENDERSON:
11 wood pole line, it would be subject to regul	ar 11 A. I	can't say for sure. I guess, it depends on
12 routine inspections.		he cost of the asset, how much the two how
13 O'REILLY, Q.C.:		he split works, but it would be generally
14 Q. Inspection.		ight that the maintenance during the early
15 MR. HENDERSON:		years is fairly stable, but it depends on the
16 A. And not likely to see much in the way of a		particular asset as to how much that cost is.
17 of equipment replacements and those types	-	mean, in the for instance, if you have a
18 things.		ransformer that's heavily loaded, it may
19 O'REILLY, Q.C.:		equire more maintenance than one that's
20 Q. And that line is what, ten years, inside of		ightly loaded. If you have breakers that are
21 ten years, I should say?		operating a lot, they'll require more
22 MR. GARDINER:		naintenance than ones that aren't operating a
23 A. Yes.		ot. There's all of those things that come
24 O'REILLY, Q.C.:		nto play, but they generally will be stable.
25 Q. Inside of ten years. So would it be fair for		So if you have once you get into, you know,

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1 your breaker maintenance, you're go	ing to be 1	MS. DAWSON:	
2 doing routine inspections and testing	of your 2	Q. Good morning. My name is G	enevieve Dawson and
3 breakers and that will be more costly	than a 3	I represent the Nunatsiavut Ge	overnment, and
4 transmission line because a transmiss	ion line 4	Mr. Henderson, I'm going to g	give you a break.
5 doesn't have the same type of mechan	nical wear 5	5 Unfortunately, I'm not going t	o give Mr. Moore
6 and tear that a breaker would have.	6	a break. Mr. Moore, I underst	tand that your
7 O'REILLY, Q.C.:	7	title is General Manager of Tr	ansmission and
8 Q. Now in the case of the Vale assets that	at were - 8	General Operations, correct?	
9 - the transmission line and terminal w	hich is 9	MR. MOORE:	
about 20 kilometres, I think, of line at	nd then 10	A. Yes, but Transmission and Ru	ral Operations.
11 there's terminal plant and so on, that		MS. DAWSON:	-
12 constructed by Hydro and all the wor	k was done 12	Q. Did I say oh, I'm sorry. Tra	insmission and
13 to get it commissioned and so on and			
14 paid made a payment, essentially c		MR. MOORE:	
15 indemnified the cost Hydro for		A. Yeah, that's right.	
16 construction costs and so on, includi		5 MS. DAWSON:	
17 commissioning costs. Would you as	-	Q. TRO is the acronym.	
18 that?	5	MR. MOORE:	
19 MR. HENDERSON:	19		
20 A. That's my understanding. It was, w	what we 20) MS. DAWSON:	
21 would say, fully contributed. All of			cussions that
22 upfront capital costs were paid for by			
23 O'REILLY, Q.C.:	23	• •	or, my part or
24 Q. Right. All of that was and all of		MR. MOORE:	
commissioning costs and working			
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1 initial bugs or getting it energized and so	-	MS. DAWSON:	1 460 72
2 on, that would have all been completed before			ible for the diesel
3 and paid for by Vale, I take it?	3		
4 (10:15 a.m.)	4		
5 MR. HENDERSON:		MR. MOORE:	
6 A. It would have been as long as it was captured			
7 in the capital cost.		MS. DAWSON:	
8 O'REILLY, Q.C.:	8		erstand that
9 Q. Yes, in the cap not maintenance costs?	9		
10 MR. HENDERSON:	10		
11 A. No.	10		
12 O'REILLY, Q.C.:	11		•
	12		
Q. It would be in capital, right. And how old isthat? Inside of ten years?	13		
	14		
15 MR. HENDERSON:	15		ment would take
16 A. It is, yeah.	-	•	
17 MR. GARDINER:		MR. MOORE: A. I'm somewhat familiar, but	not I wouldn't
18 A. Oh yes.	18		
19 O'REILLY, Q.C.:		• •	area.
20 Q. I think that's all. Thank you very much,) MS. DAWSON:	have to tall ma
21 gentlemen. Thank you.	21		
22 CHAIRMAN:	22	1	-
23 Q. I think we're over to Mrs. Dawson.	23	U	
24 MR. ROBERT HENDERSON, DARREN MOORE, TERRY G		e.	÷ .
25 CROSS-EXAMINATION BY MS. GENEVIEVE DAWSON	25	is that something that you	would have been

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1	familiar with, that particular provision in	1	system planning group, shall we say.
2	those two Acts?	2	MS. DAWSON:
3	MR. MOORE:	3	Q. So I'll get into that.
4	A. That's something that I'm not familiar with	4	MR. MOORE:
5	and wouldn't be able to speak to right now.	5	A. Okay.
6	My role would be as the manager, I guess,	6	MS. DAWSON:
7	accountable for operation and maintenance of	7	Q. But so, although you may not I guess I'll
8	those facilities, I would be accountable to	8	put it to you this way, although you may not
9	ensure those facilities are operated and	9	be familiar with those two provisions in those
10	maintained, you know, in the least cost manner	10	two Acts, from a practical common sense
11	for the customers.	11	perspective, you are following through with
12	MS. DAWSON:	12	the Nunatsiavut Government?
13	Q. Okay.	13	MR. MOORE:
14	MR. MOORE:	14	A. Yes, we are fully engaged with the Nunatsiavut
15	A. And fully accountable for the operation and	15	1 8 8
16	maintenance of those assets.	16	1 1
17	MS. DAWSON:	17	upgrades and very focused and certainly
18	Q. Okay. Would you have any interaction, since	18	
19	you've taken on this role, with the	19	5 8 1
20	Nunatsiavut Government?	20	1
21	MR. MOORE:	21	1 1
22	A. Yes, I have.	22	any areas where we can improve going forward.
23	MS. DAWSON:	23	MS. DAWSON:
24	Q. Okay. And who would you have dealt with	24	
25	there?	25	have missed the much talk, but there has been
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1	MR. MOORE:	1	much talk about the rural deficit.
2	A. Typically what we would do, we do have	2	MR. MOORE:
3	interaction with the local communities and	3	A. Yes.
4	forgive my pronunciation, but it's the	4	MS. DAWSON:
5	AngajukKak, I think, or the mayors in the	5	
6	local communities and we also have interaction	6	1 5
7	with the local Nunatsiavut Assembly. As an	7	
8	example, we have a project ongoing now in Nain	8	8
9	where we're doing some distribution upgrades	9	8
10	to our distribution lines and a generation	10	1 0
11	expansion project and our regional manager in		MR. MOORE:
12	Labrador, who reports to me, Rick Kennedy, had	12	
13	a conversation I think it was two days ago	13	
14	with Sara Leo about some of the ongoing work	14	
15	and some of the reliability improvements we're	15	
16	hoping to achieve with that upgrade.	16	
1	MS. DAWSON:	17	
18	Q. Okay. MR. MOORE:	18	
19 20	A. So that would be one example. Another example	19 20	
20	would be back in I'll say January 2013, we	20	•
21	actually met with the Nunatsiavut Government	$ ^{21}$	
22	in Nain to talk about some issues related to	22	-
23 24	the alternative energy study which is being	23	_
1	done through our system operations group or	24	
25	done unough our system operations group of	123	submitting a budget, a least cost budget to

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1 maintain those assets and operate those as	_	nce staff, 20 might be the right
2 and then fully accountable to working tow	vards 2 number.	
3 or working to that budget.	3 MS. DAWSON:	
4 MS. DAWSON:	4 Q. Okay. Ar	nd I understand that you are directly
5 Q. And is he responsible to you? Does he din	-	le to Mr. Henderson?
6 does he work directly under you?	6 MR. MOORE:	
7 MR. MOORE:	7 A. I report of	directly to the Chief Operating
8 A. Yes, he does.	-	ho reports to Mr. Henderson.
9 MS. DAWSON:	9 MS. DAWSON:	
10 Q. How many people are in your outfit that	- and 10 Q. Okay. Ar	nd the chief operating officer?
11 I'm only interested in my particular	11 MR. MOORE:	1 C
12 communities -		f operating officer of Hydro, Mr.
13 MR. MOORE:	13 Scott Cros	
14 A. Okay.	14 MS. DAWSON:	
15 MS. DAWSON:	15 Q. Mr. Crost	nie?
16 Q and I hate I don't mean to be so self-		
centred, but that's my that's what I'm he		
18 for. So those five communities, how m		
19 people work under you and report directly	•	b you don't report directly to Mr.
20 you that work in those five communities?	20 Henderson	
21 MR. MOORE:	20 Tichderson 21 MR. MOORE:	
22 A. The people that work in those five commu		the chief operating officer I'm
that report directly to me would be in the		
Labrador region, which would be Rick Ke		ne.
24 Labrador region, which would be Rick Re 25 area.	-	no, but there is -
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1 MS. DAWSON:	1 MR. MOORE:	
2 Q. Yes.	2 A. But not di	rectly, no.
3 MR. MOORE:	3 MS. DAWSON:	
4 A. So Rick, as the manager of TRO Labra		also during the discussions before
5 team would be the team within my gr	-	d, there's this idea that you're
6 would be doing the work in those	-	le or tasked with, you know, less
7 communities.		bility and safety of customers.
8 MS. DAWSON:	-	he three things that keep coming up.
9 Q. And how many people would that b		
about? I won't hold you to it. Give or		
11 MR. MOORE:	11 MS. DAWSON:	
12 A. I'll say in our TRO Labrador region, th		is I assume that that's sort of a
13 that operate out of our Goose Bay offic	-	Hydro. Would that be correct?
14 the diesel plant operators in thos	se 14 MR. MOORE:	
communities, we'll say 20 to 30.		s right. Our mandate is least cost,
16 MS. DAWSON:	16 reliable, s	afe service, electrical service for
17 Q. 20 to 30. Now that's 20 to 30, I'll I		ners.
to get you to narrow it down. Would i	it be 30 18 MS. DAWSON:	
19 in peak times?	19 Q. And then	I put it to then, I guess, would it
20 MR. MOORE:	20 be fair to	say that the cost deficiency and
A. I would say if you added up all f	ïve 21 reliability	of these, the diesel generating
communities with, I'll say, two operations	tors in 22 facilities i	n those five communities, the buck
23 each community roughly, so that's	ten 23 stops with	you on that issue. I mean, you're
24 employees, plus two managers that R		ho directs this?
24 employees, plus two managers mat R	lick has 24 the guy w	no unocto tino.

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1	A. Yes, I'm fully accountable for least cost		1	capital program. Now having said that, you
2	service in those communities.		2	know, we monitor the hours very closely as we
3	MS. DAWSON:		3	execute our maintenance program and execute
4	Q. And would you also be responsible for the		4	our asset management program and then we will
5	asset management and what gets spent where	e,	5	build our capital plan going forward to try to
6	for example?		6	achieve replacement against those targets,
7	MR. MOORE:		7	bearing in mind that somewhere in the year
8	A. Yes.		8	typically that that engine would be budgeted
9	MS. DAWSON:		9	for replacement, it would be very close to the
10	Q. So if a diesel needed to be a diesel		10	100,000 hours, but there is a window within
11	generator needed to be replaced, that's is		11	that year through the maintenance season when
12	it your call or would you speak with somebod	ly	12	the replacement would take place.
13	about that or would it be your call?		13	And there's also a consultation that
14	MR. MOORE:		14	would take place as well. Like our system
15	A. That would be my accountability for the		15	planning group would look at all of our
16	assets. Now having said that, there is		16	communities and monitor load and load growth.
17	consultation that takes place. For example,		17	So if they're looking at replacement through
18	if we had a diesel generator like our		18	upgrade or diesel generation expansion
19	program for our diesel generators, if I want		19	projects, then we will be working very closely
20	to just take you a little bit through how we		20	with that group to ensure that any of our
21	do our maintenance on a diesel generator, it's		21	replacements, based on our asset management
22	basically generated on operating hours. So		22	program are in line with any projects they
23	what we do in our capital program, we do an		23	have on their plate with respect to load
24	overall on diesel generators every 20,000		24	growth, so that we're all heading in the same
25	hours and then when we reach the 100,000 ho		25	direction, shall we say.
		nge 82		Page 84
1	mark of operation, that's when a decision will	1		DAWSON:
2	be made to replace that diesel engine.		2 (Q. Okay. The 100,000 because I'm no good at
3	MS. DAWSON:		3	maths, the 100,000 hours gets me about what in
4	Q. Because I understand from some of the		4	time? How many it gets me a year? Does it
5	documents here and what I've read, it's about	,	5	get me nine months or two years?
6	100,000 hours.			. MOORE:
	MR. MOORE:			A. I'm trying to think now, to do some very quick
8	A. Yes.		8	math as to what that would be in years.
	MS. DAWSON:			DAWSON:
10	Q. Is the life of a generator?			2. So maybe your math is not good either.
	MR. MOORE:			. MOORE:
12	A. Right.			A. If we look at the operating hours in a year, I
	MS. DAWSON:		13	mean, I know typically through a year maybe it
14	Q. On or about.		14	may run say 5,000-6,000 hours, depending on
	MR. MOORE:		15	the load factor in the community itself. So,
16	A. Yes.		16	I look at our overhaul program at 20,000
	MS. DAWSON:		17	hours, that probably brings us out about let's
18	Q. So do I take it from you that they are always		18 10 MS	say three years.
19 20	replaced after 100,000 or is it they're sometimes replaced or what's the norm?			DAWSON: Q. Okay.
	MR. MOORE:			2. Okay. . MOORE:
$\begin{vmatrix} 21\\22 \end{vmatrix}$	A. That would be the norm, that at 100,000 hours	s		A. Rough numbers.
22	that's when we look at a decision that, you	.,		DAWSON:
23	know, that's the end of life of that diesel). Yeah.
24	generator and it's time to replace it in the			. MOORE:
25	5 morator and it is time to replace it in the		20 IVIN	, moone.

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A. That I can't back up right now, but with da	ita 1 was	followed up and done?
2 in front of me, but let's just say three	2 MR. MOO	RE:
3 years. So if we look at a replacement	3 A. Tha	t work, like I just mentioned, some of it
4 criteria, you know, you're probably lookin	-	till in progress and will be completed
5 the, I'll say, ten-year timeframe.		ore year end, but the actual generator
6 MS. DAWSON:		If is installed, in service and fully
7 Q. And each of these communities, I underst		ly for service this winter. What's still
8 have different loads, different demands, ba	1	rogress, but will be done before the year
9 on population, but the biggest one is Nain		, is the actual control system upgrade that
10 how many generators would be in Nain?	-	s along with that.
11 many diesel generators? Is there five?	11 MS. DAW	
12 MR. MOORE:		d the control system upgrade, all your
13 A. As of this year, it's four.		new upgrades and all the work that's done
14 MS. DAWSON:		re, I'm assuming it's tendered in the
15 Q. Four, okay.		mal course of dealing? Would I be right
16 MR. MOORE:		ut that?
17 A. That plant had three generating units up 't		
18 I'll say this year, but through our system		it's correct.
19 planning group and looking at load growt		
the community, a decision was made forgeneration expansion project to go into o		ay. And would there be new I understand
21 generation expansion project to go into o 22 capital program to add a fourth unit to		re's some new technologies as it relates to sel generation that deal with analog
22 capital program to add a fourth unit to 23 accommodate the load growth in Nain.		sus, I guess, computers.
24 MS. DAWSON:	23 Vers 24 MR. MOO	
25 Q. Okay.	24 MR. MOO 25 A. Rig	
2.5 Q. Okuy.	Page 86	Page 88
1 MR. MOORE:	1 MS. DAW	
2 A. Which is in service right now, the generat		d also some emission control, new emission
3 itself, and fully ready for this winter		trols. Would these, the new generator in
4 season, but we're still continuing on with t		ticular with Nain, and any other I think
5 there's also a controls upgrade project	-	bedale had some upgrades lately as well?
6 that's going alongside that that'll fully	6 MR. MOO	
7 automate the plant, and when we fully auto	omate 7 A. Tha	t's right. That's correct.
8 our plants, the control system itself also	8 MS. DAW	-
9 helps the rural deficit by more efficiently	9 Q. So (can I take it then that you've use the most
10 starting and stopping and loading up the		ent technology for the diesel generation?
11 generators to maximize fuel efficiency a		
12 those type things.	12 A. Yes	
13 MS. DAWSON:	13 MS. DAW	SON:
14 Q. Well, maybe I'll take you there right now.	On 14 Q. Oka	ay.
15 the Nain issue, I understand that in the	15 MR. MOO	-
16 capital budget for 2015 there was supposed	to 16 A. Tha	it would be correct.
17 be some work done in Nain and one of	my 17 (10:30 a.	m.)
18 questions was has that work been done? It	was 18 MS. DAW	SON:
19 supposed to in a project in the 2015	19 Q. So t	they would be controlled then via computer?
20 capital project, it was mentioned, that wa		
21 presented to the Board.	21 A. Tha	t's correct.
22 MR. MOORE:	22 MS. DAW	
23 A. Right.	23 Q. Oka	-
24 MS. DAWSON:	24 MR. MOO	
25 Q. Nain was mentioned and I'm assuming that	t work 25 A. Tha	it's the part of the project that's still in

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1 progress, but will be completed before year		lessen, at the end of the day, the rural
2 end.	2	deficit?
3 MS. DAWSON:	3 1	MR. GARDINER:
4 Q. All right. And that was -	4	A. We don't have the hard dollar numbers, I'll
5 MR. MOORE:	5	say that. But what we do do is focus on
6 A. Is the control system upgrade and	6	purchasing the assets or the generator itself
7 commissioning.	7	that's the most efficient, you know, that we
8 MS. DAWSON:	8	can buy as per our specs, and we've proven in
9 Q. Right. And then that, I assume then, goes	9	other plants that the automation projects that
10 straight to what I will eventually get to a	10	allow the starting and stopping of the units
11 little bit more is a reduction of the rural	11	and loading at the most efficient level for
12 deficit or your efforts to reduce the rural	12	the generators themselves do result in less
13 deficit?	13	fuel and less maintenance costs for those
14 MR. MOORE:	14	plants. But with respect to Nain, I don't
15 A. That's correct. The control system itself	15	have say a detailed study as you're talking
16 allows for starting and stopping and loading		about projected savings that will help out the
17 of the generating units in the most efficient	17	rural deficit, but we have proven in other
18 manner possible, which in turn reduces fuel		plants that this does help reduce fuel and
19 consumption and maintenance costs.	19	maintenance costs and once the plant the
20 MS. DAWSON:	20	new unit is in service now and once we get the
21 Q. And have you done any sort of feasibility		automation project completed this fall, going
22 studies with respect to these plants and how		into the winter, over time we will be able to
23 much you can expect to save as a result of th		collect data of fuel consumption and
24 latest technology in diesel generation?25 MR. MOORE:	24 25	maintenance costs in the Nain plant, for example, and compare it to past levels. I
	Page 90	Page 92
1 A. I'd have to refer back to the actual capital	1	guess we can do some backward analysis going
2 budget proposals themselves. I don't think in the capital budget proposal. Tarry may		forward, but I don't have the hard analysis as
 3 the capital budget proposal Terry may - 4 MR. GARDINER: 	3	we just referred to it as showing exact numbers of what we feel we will save in 2016
5 A. I don't think so.	4	and beyond because of the upgrades that we're
6 MR. MOORE:	6	doing now in 2015. But we do know anecdotally
7 A correct me if I'm wrong here now, that the		that we will save fuel and we will save
8 was actually dollars put to projected savings		maintenance costs with the automation
9 in fuel as a result of the automation	9	projects.
10 projects.	-	MS. DAWSON:
11 MS. DAWSON:	11	Q. Okay. Now I'm going to refer you to IN-NLH-
12 Q. I didn't see it in the capital. I think it's	12	069, and Mr. Moore, it actually outlines what
13 Undertaking No. 7, I think, or 8. But, I	13	you do do with each of the or I should say
14 didn't see any dollar figures and I guess my		you're supposed to do with the diesel
15 question to you is when you're doing let's		generation generating plants in Labrador, and
16 say we'll take Nain, because that's where	16	I'm assuming that it would be the same
17 you've spent some money lately and you've		throughout all the diesel generated plants,
18 some diesel generation upgrades.	18	but my interest, of course, is Labrador.
19 MR. MOORE:	19 1	MR. MOORE:
20 A. That's right.	20	A. Okay.
21 MS. DAWSON:	21 1	MS. DAWSON:
22 Q. Before you even get there, before you even g	go 22	Q. And all of these different A, B, C, D, I think
23 to tender, do you do any studies, any hard	23	there's quite a few, is there anything that
24 cost studies that would indicate how much		you'd like to add to that or is that about
savings you could do per plant that would	. 25	covers what you are supposed to do on a day to

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	Pa	age 93		Page 95
1	day basis with respect to the diesel		1	environment, fleet, those type of services
2	generating plants?		2	throughout TRO.
3 N	/IR. MOORE:		3	When we move onward to customer services,
4	A. That RFI certainly covers my accountability.		4	I'm very much linked in with our customer
5	I will say that, if we wanted to just scroll		5	services group and have lots of communication
6	up again, my accountability is, if we want to		6	with our customer services group to ensure
7	focus in on it, would certainly be item A,		7	that, you know, our customer services strategy
8	operation and work execution. They're the		8	and communication with our customers is as
9	folks that operate and maintain the diesel		9	best as it can be and that we continually
10	plants, go out and do the preventative		10	improve on that relationship.
11	maintenance work, the corrective maintenand	ce	11	And then when we move into project
12	work and, you know, in a very planned fashic	on	12	execution and technical services, that falls
13	to ensure that we're executing to our budget.		13	under Mr. Gardiner's realm, but I'm very much
14	Item B would fall under my		14	in continual communication with Mr. Gardiner
15	accountability, short term planning and work	1	15	to ensure that we're planning and executing
16	scheduling. They're the folks that develop		16	our capital program in the most effective
17	our weekly, monthly and annual work plans	to	17	manner possible. I'm not sure what's next on
18	ensure that we're executing our plan and that		18	the list here.
19	it's fully resourced to ensure that we did get		19 MS.E	DAWSON:
20	our maintenance done in the most effective		20 Q.	System planning is next.
21	manner possible and then we can, as Rob		21 MR. N	
22	described earlier, we track weekly against our	r	22 A.	Okay. Human Resources. Human Resources is a
23	annual work plan to ensure that we're our		23	function, is a corporate service that's
24	actuals are the same as our plan and if there		24	provided to, as Rob described, to all of Hydro
25	is any deviation, I guess, from plan that		25	and we very much do receive very good support
	· · · · ·	04	-	· · · _ · _ · _ · _ · _
1		age 94	1	Page 96
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	we're fully looking at recovery plans to make	;	1	from Human Resources on the safety side of
$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$	sure that we have a recovery plan in place to		2	things, for corporate programs, environmental
3	get the maintenance done.		3	supports, recruitment, support for our
4	Item C falls under my accountability,		4	apprenticeship programs.
5	long term asset planning. So, that would be		5	In particular for our diesel communities,
6	the folks that are looking at the condition of		6	our Human Resources have been working with us
7	the diesel units, how they've been performing	-	7	to ensure that our diesel plant operators have
8	what maintenance history we've had with th	e	8	a very full training program and we've just
9	diesel units, monitoring the operating hours		9	implemented a program through the College of
10	such that we're developing long term capital		10	the North Atlantic to ensure that, you know,
11	plans to ensure that we're overhauling and		11	all our representatives in the diesel
12	replacing our diesel engines and any other		12	communities are fully trained and they provide
13	assets in those plants in an efficient manner		13	a variety of services in the diesel
14	in our capital planning program.		14	communities such that they can take care of
15	And the support services function also	1	15	customer services type work and very limited
16	falls under my accountability. So those would	1	16	line work and some limited electrical and
17	be the folks that provide support services to		17	mechanical work with an effort to ensure that
18	the diesel communities. For example, any		18	they can take of, I'll say, routine
19	operation and maintenance budget monitorin	g,	19	maintenance items and customer service items
20	reporting and control falls under my		20	that come up in the community, such that if
21	responsibility. We also have some support		21	there is an outage or an issue with our
22	services folks in Bishop Falls who are		22	customers, they can deal with it initially,
23	accountable for all of TRO and provide suppor		23	rather than wait for someone say to have to
24	to those communities as equally as any other		24	fly in from Goose Bay to deal with it.
25	parts of TRO, such as safety, health and		25 MS. I	DAWSON:

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		1	ensuring that we do fill our vacancies for
issue. One is I understood from other		2	our, in particular the skilled employees who
witnesses and I don't think it was you, other		3	do work in the diesel systems and on all of
-	n	4	our assets, that we're very active in
resources and I guess the plants themselves		5	recruitment to ensure that we get those
		6	positions filled when they do become vacant
rural reducing costs, decided to put local		7	for whatever reason, whether it be through
		8	retirements or someone moves along or whatever
		9	the case may be.
people flown in. Is that -		10 N	IS. DAWSON:
/R. MOORE:		11	Q. So you're not plagued with the same vacancy
A. Yeah. I can add to that. I just talked about		12	rate that Mr. Henderson seems to be?
the I say DSR, it's our diesel system		13 N	IR. MOORE:
representatives in the communities. We just		14	A. Yes, we do have that challenge, but I will say
implemented over the last couple of years a		15	up in Labrador, we did have some of those
very structured and formalized training		16	challenges, but as you just alluded to, very
program for our diesel system representatives		17	strong focus on active recruitment locally. I
and the whole focus of that program is that		18	know we've hired some very good electricians,
they're equipped with a skill set to be able		19	mechanics, recently from the Labrador area
to deal with the majority of the running		20	into our Goose Bay office and that's working
maintenance, customer service type issues that	t	21	out very well, very strong active recruitment
may arise locally and that helps such that we		22	in our diesel communities any time we have a
don't have to transport somebody in every tim	e	23	DSR position that may become vacant. So we
an issue like that comes up, which is costly,		24	are plagued with it, and we do have pockets of
because there's airfare involved and travel		25	it where we do struggle to fill positions in
Pa	ge 98		Page 100
expenses and the like to get people in say		1	some of our more remote areas, but I would say
from Goose Bay to any of the communities to	0	2	in Labrador, we've it's a challenge, but
provide that service. So we're very focused		3	we're working through it.
e	1	4 N	IS. DAWSON:
		5	Q. And would Nain be the most remote or would
	1	6	some of the other communities I'm interested
		7	in be more remote as far as you're concerned?
-		8 N	IR. MOORE:
		-	A. I use the word "remote" but I'm not sure we
-			we don't necessarily have a definition of
÷ •			remote.
e .			IS. DAWSON:
			Q. Hard to get to.
			IR. MOORE:
-			A. Right.
-			IS. DAWSON:
			Q. How does that sound?
			IR. MOORE:
			A. Nain would probably be I know there's an
·			airfare service from Goose Bay to get to Nain and there's certainly a ferry service in the
			summer season, and we do have helicopter
· ·			available a helicopter contract available
			from Goose Bay to get into Nain, but I would
A. I'll say that recruitment and retention and		25	agree Nain is a very remote area to get to and
	 Pa Q. Two questions come out of the Human Resouissue. One is I understood from other witnesses and I don't think it was you, other witnesses, that there was an issue about human resources and I guess the plants themselves and maintenance, such that you, as part of the rural reducing costs, decided to put local people in these plants and train and put local people in these plants, as opposed to having people flown in. Is that - R. MOORE: A. Yeah. I can add to that. I just talked about the I say DSR, it's our diesel system representatives in the communities. We just implemented over the last couple of years a very structured and formalized training program for our diesel system representatives and the whole focus of that program is that they're equipped with a skill set to be able to deal with the majority of the running maintenance, customer service type issues that may arise locally and that helps such that we don't have to transport somebody in every timan issue like that comes up, which is costly, because there's airfare involved and travel Pa expenses and the like to get people in say from Goose Bay to any of the communities the provide that service. So we're very focused and Human Resources have been integral if helping us put this program in place such that our diesel system representatives are equipped to do some of those limited duties to provide customer service and running maintenance. 4S. DAWSON: Q. Mr. Moore, there was great discussion, and I found it rather fascinating, about the vacancy rates and how high they were, and I'm not sur how you can plan any have any budget base any budget and have an effective budget based on the vacancy rates that we looked at. But in any event, I'll leave that to the MBA people to analyze. But seems a little odd to me, but are you faced with the same problem with vacancy rates or are you fully I guess from a human resource perspective, are you alright with respect to the management and	Page 97 Q. Two questions come out of the Human Resource issue. One is I understood from other witnesses and I don't think it was you, other witnesses, that there was an issue about human resources and I guess the plants themselves and maintenance, such that you, as part of the rural reducing costs, decided to put local people in these plants and train and put local people flown in. Is that - IR. MOORE: A. Yeah. I can add to that. 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Mr. Moore, there was great discussion, and I found it rather fascinating, about the vacancy rates and how high they were, and I'm not sure how you can plan any have any budget based any budget and have an effective budget based on the vacancy rates that we looked at. But in any event, I'll leave that to the MBA people to analyze. But seems a little odd to me, but are you faced with the same problem with vacancy rates or are you fully I guess from a human resource perspective, are you all right with respect to the management and operations of the diesel facility at least in the	Page 97Q. Two questions come out of the Human Resource1issue. One is I understood from other2witnesses and I don't think it was you, other3witnesses, that there was an issue about human4resources and I guess the plants themselves5and maintenance, such that you, as part of the6rural reducing costs, decided to put local7people in these plants, as opposed to having9people flown in. Is that -10 NR. MOORE:11A. Yeah. 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1 can certainly challenge us with wea	ther when 1	availability of diesel?
2 it comes to travel into Nain.	2	MR. MOORE:
3 MS. DAWSON:	3	A. No, not to my knowledge.
4 Q. One of my questions then, based on	n that, is 4	MS. DAWSON:
5 what how do you get the diesel to	Nain in 5	Q. And I guess that segues into then how reliable
6 particular?	6	are the generators generally?
7 MR. MOORE:	7	MR. MOORE:
8 A. The diesel fuel itself?	8	A. I would say our service with the generators on
9 MS. DAWSON:	9	
10 Q. Yes.	10	, , , , , , , , , , , , , , , , , , , ,
11 MR. MOORE:	11	the actual numbers in front of me now to
12 A. It's a contract that we have with W	voodwards 12	1 1 2
13 who supply it by ship.	13	
14 MS. DAWSON:	14	5
15 Q. And is that shipped all the time, exc	-	
16 it can't be?	16	
17 MR. MOORE:	17	that this is not necessarily a generation
A. It wouldn't be shipped in the winter		,
19 MS. DAWSON:	19	1 0
20 Q. No.	20	1
21 MR. MOORE:	. 21	reliability to the customers in Nain and also
A. When there's when the shipping		
23 shut down, but we're fully focused of	-	
that when the shipping season is h		1 1
25 that the tanks are stocked up to the		*
	Page 102	Page 104
1 that's needed for the winter operatio		
2 MS. DAWSON:	2	
3 Q. Okay. So that's a matter of stora	•	1
4 assume?		(10:45 a.m.)
5 MR. MOORE:		MS. DAWSON:
6 A. Yes.	6	
7 MS. DAWSON:	7	· · · · · · · · · · · · · · · · · · ·
8 Q. And then so you store I assume		
9 fly in diesel. That sounds a bit crazy	·	· · · · I · · · · · · · · · · · · · · · · · · ·
10 assume it's all shipped through Wo		
11 whatever. It's shipped up?12 MR. MOORE:	11	you would, Ms. Gray. Where it talks about reduction on the rural deficit. So that
12 MR. MOORE: 13 A. That's correct.	12	
14 MS. DAWSON:		MS. GRAY:
15 Q. Okay. And then you just store enou		Q. Sorry.
16 you through winter?		Q. Soffy. MS. DAWSON:
17 MR. MOORE:	10	Q. Okay. No, that's right. "In addition to, as
17 MR. MOORE: 18 A. Yes. There's fairly detailed analysis		
19 sure that we got adequate reserves,		
20 idea is during the shipping season t		
21 sure that we're fully stocked and se		contribute to limiting the rural deficit as
21 succentrative for fully stocked and se 22 the winter season.	21 22	-
23 MS. DAWSON:	22	-
24 Q. So any of the outages or reliability		-
that I might see are not related to		
	23	$\mathbf{D}_{200} = 101 \mathbf{D}_{200} = 104$

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1	"continuing to capture waste heat".	I won't	1	ongoing effort of our as I mentioned
2	ask you the details of that, because it	sounds 2	2	earlier, our long term asset planning
3	a little too technical.	3	3	department, they look at the asset condition
4	MR. MOORE:	2	4	and how the asset has been performing, so they
5	A. Okay.	5	5	can plan future capital upgrades. So those
6	MS. DAWSON:	6	6	folks would be monitoring certainly fuel
7	Q. But what I want to ask you is each	one of 7	7	efficiency there as well. It's also monitored
8	these items that are named here with	respect 8	8	through our system planning department who
9	to diesel upgrading and so on, have	any of 9	9	monitor the operation and supply for all of
10	those been undertaken or done within	n the last 10	0	our customers and look at future load growth
11	let's say two or three years as it related	es to 11	1	projects. So they would be involved as well.
12	any of the five communities that	I'm 12	2 MS.	DAWSON:
13	interested in?	13	3 Q	And that would be ongoing again in the five
14	MR. MOORE:	14	4	communities, the fuel efficiency -
15	A. If I look at would you like to step	down 15	5 MR.	MOORE:
16	through them one by one?	16	6 A	. Yes, it would.
17	MS. DAWSON:	17	7 MS.	DAWSON:
18	Q. Yes, please.	18	8 Q	Okay. And then the next one?
19	MR. MOORE:	19		MOORE:
20	A. Or just in general? Okay. So "contin	nuing to 20	0 A	. The next one, "utilizing commercial air
21	capture waste heat in more than h	alf of 21	1	flights during regular work hours, where
22	Hydro's diesel plants", I'll say that t	hat's 22	2	practical". Essentially what we're referring
23	happening in all five communities.	Like in 23	3	to there is as we talked about the execution
24	particular, like when a diesel genera	ator is 24	4	of our planned maintenance program, which is
25	operating in a plant, it generates hea	t. So 25	5	monitored on a weekly basis, our focus is to
		Page 106		Page 108
1	the plant itself obviously and the wo	rkbench 1	1	be fully on top and executing our planned
2	area in the plant, that's certainly heat	ed by 2	2	program such that we can utilize commercial
3	the diesel unit itself such that you d	lon't 3	3	air flights. Typically helicopter travel ends
4	need to install electric heaters in the	plant 4	4	up happening if you have a breakdown type
5	because the diesel itself is providing	g the 5	5	thing and you need to get in there quickly or
6	heat. So, that's happening in all	five e	6	more quickly than the scheduled flight. So by
7	communities.	7	7	focusing and measuring on a weekly basis our
8	When it comes to planning diesel	unit 8	8	planned maintenance program, we can utilize
9	replacement size to maximize to e	optimize 9	9	commercial air flights as much as possible to
10	fuel efficiency, that certainly applies	to the	0	get work done and obviously the prices are
11	generation expansion projects that ar	e taking 11	1	much better than helicopter travel to the
12	place now in Hopedale and in Nain, a	and also in 12	2	coast.
13	I'll just check my notes now. It'		3	And "having operators choose the most
14	Rigolet actually. We're installing a		4	fuel efficient mix of engines when possible,"
15	generator. There's two parts to a c		5	that's being done in all five plants, but
16	generator set. There's the diesel er	-	6	we're at a point now with the automation
17	which is the prime mover, and ther		7	projects such that, as we talked about, a
18	electrical generator itself. So we			computer controlled plant automation type
19	actually installing a larger generator			project, we can actually program the starting,
20	existing diesel engine in Rigolet righ			stopping and loading of the units to be the
21	well. So we would look at that to en		1	most efficient use of fuel possible, rather
22	we're doing that upgrade as well to e	-		than relying on the operator to make that
23	fuel efficiency.	23		decision. So it's much more effective.
24	"Monitoring diesel system fuel eff	-		Automation has been done now in Rigolet and
25	to identify poor performers". That	t's an 25	5	Makkovik and we're in the process now, before

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1	year end, of installing automation in Nain and	1		always looking at his operating budget and
2	Hopedale. The only plant remaining in	2	2	always ensuring that he takes a least cost
3	Nunatsiavut where the operator will still be	3	3	approach to execution of our maintenance
4	starting, stopping and loading the units will	4	ŀ	program. So that would always be the focus,
5	be in Postville.	5	5	and as I mentioned, he's required to report on
6 MS. I	DAWSON:	6	5	that on a monthly basis and also through, we
7 Q.	So then do you have any sense of when all of	7	,	talked about a little bit earlier, our
8	this is done and maintained and followed	8	3	performance management program. Developing
9	through, any sense of how much that	9)	and working to a budget is certainly measured
10	contributes to the amount of savings to the	10)	through a performance management program for
11	bottom line for those five communities?	11		him as well.
12 MR. 1	MOORE:	12	MS.	DAWSON:
13 A.	What we do on a monthly basis, between myself	13	Q.	. Would your bonus or his bonus be linked to
14	and the regional manager in Labrador, the	14	Ļ	cost savings?
15	regional manager who reports to me in Labrador	15	MR.	MOORE:
16	provides a monthly report and he's very	16	ó A	. Yes, it would be.
17	focused on working towards his operating	17	MS.	DAWSON:
18	budget. That would be our focus to ensure	18	3 Q.	. I don't want to get heavy into this report,
19	that we execute our planned maintenance	19)	but there is a report that I had a look at
20	program but still, keeping with our mandate of	20)	under PR-PUB-014 under the Prudence Review,
21	least cost reliable service to our customers,	21		and although I'm not involved I won't be
22	we make sure that we execute our planned	22	2	involved in the Prudence Review, there is an
23	program within our operating budget and that	23	5	interesting study done by Hatch on "Fire
24	would be the focus of our regional manager and	24	Ļ	Suppression in the Diesel Communities" and I'm
25	on a weekly basis, he reports, as we talked	25	5	interested in why that was put off 'til so
	Page 110			Page 112
1	about, how he's doing against his planned	1		late in the game, the Hatch report of 2012
2	maintenance program and on a monthly basis	2	2	with respect to fire suppression. There seems
3	would report how he's doing with respect to	3	3	to be a lot of fires in the different well,
4	his operating budget, and we'd make sure any	4	Ļ	Nain was the biggest one in 2008.
5	variances are dealt with and that recovery	5		MOORE:
6	plans are in place to ensure budget targets	6	6 A	. Right.
7	are met. So that would be our focus with	7		DAWSON:
8	respect to keeping the rural deficit at the	8	3 Q	I'm wondering why that was put off. It seems
9	level it needs to be, shall we say.	9)	to me common sense that one would make sure
	DAWSON:	10)	that your source of energy didn't burn down
	Would the major the major expense for the	11		and that you would have some fire suppressants
12	diesel plants, would it be operation and	12		already there, and apparently there was none
13	maintenance or would it be fuel?	13		at all in any of the facilities run by Hydro,
	MOORE:	14		and I'm kind of fascinated on why that wasn't
	The fuel would be the biggest driver.	15		done and why it took 'til 2012. So my first
	DAWSON:	16		question is why it wasn't done in the first
	Although when you look at the rural deficit by	17		place and second, why did it take until 2012
18	year, I mean, we're up to 64 million now, it	18		that you would have to do that and why you'd
19	seems to be everybody seems to agree that	19		have to pay someone to tell you to do it?
20	it's getting out of control, and I'm wondering	20		Those are just common sense that I just wanted
21	how much effort is put into actually trying to	21		to ask you about as it relates to Hydro and
22	save on expenses as it relates to the isolated	22		its cost efficiency and I guess focus on rural
23	communities.	23		diesel generation. Do you have any insight as
24 MR. 1		24		to, first of all, why there was no fire
25 A.	Our regional manager would be tasked with	25)	suppressant in any of the Hydro diesel plants,

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		ge 113		Page 11:
1	at least in 2012?	1	fire suppre	ession. I'm trying to remember off
2	MR. MOORE:	2	2 the top of	my head now, but I think Hopedale
3	A. I will say that was my understanding of wh	hy 3	3 actually h	as the system installed right now.
4	we didn't have fire suppressant in diesel	2	MR. GARDINER:	
5	plants up 'til that point in time, that would	5	A. I think so.	
6	have been the original design of the plant,	e	5 MR. MOORE:	
7	when the plants were designed and built in th	ne 7	A. And Nain	will be the next.
8	beginning, and I'd be honest, I wasn't	8	MR. GARDINER:	
9	involved with that process in the beginning.	9	A. Yeah.	
10	I do know that, as you just alluded to, that	10) MS. DAWSON:	
11	we have had fires in diesel plants and becaus	e 11	Q. And the re	est will be over time?
12	of that, as we were going through an analysis		2 MR. MOORE:	
13	of the cause of the fires, we initiated a	13		n't have the plants and the years in
14	study with Hatch to look at our diesel plants	14		e right now for that plan.
15	and make recommendations as to what we sh		5 MS. DAWSON:	
16	be doing with respect to fire suppression,	100100 15		'll break, if we would, and then I
17	what some of the options what the least	17	-	
18	cost option would be or could be for each		3 CHAIRMAN:	
19	plant to provide the effective protection, and	-		
20	prioritize the plants going forward so that we		MS. DAWSON:	
20	could build a capital plan to begin to start	20		some more after, but we might be
	to install fire suppression in our diesel	21		-
22	plants, because, you know, based on history			till diesel.
23			CHAIRMAN:	
24	fires, it's been recognized that it is a	24 25		$V_{11,00,0}$
25	significant risk.) (BREA	K 11:00 a.m.)
		ge 114	(2.2.2.1	Page 11
1	So what we wanted to do was an analysis			ME 11:30 a.m.)
2	of the fires we had, what we could do going		2 CHAIRMAN:	* 11 1. 1. 1. 1. 1. 1.
3	forward to install fire protection and	3		I was allowed to bring this in, but
4	prioritize the plants, come up with a suitable			llowed to put anything in it. So we
5	solution that would be least cost and provide			o you, Madam Dawson.
6	the effective fire suppression and then move	e	5 MS. DAWSON:	
7	forward in a capital plan to start to install	7	- •	a, Mr. Chair. Mr. Moore, I do have
8	some of these systems in the highest priority		•	more questions on diesel.
9	plants first.	ç	MR. MOORE:	
10	MS. DAWSON:	10) A. Okay.	
1	Q. Any idea why it took until 2012 to come up	p 11	MS. DAWSON:	
2	with this idea?	12	Q. And to be	fair to you, we were looking at PR-
3	MR. MOORE:	13	B PUB-NLH-0	014.
14	A. To comment on why it took 'til 2012, I don'	t 14	CHAIRMAN:	
15	have any insight into that other than I do	15	Q. Excuse m	e, I think we have trouble with your
16	know that it was a result of the analysis we	16	audio. So	can you make sure you're addressing
17	did on the past fires and felt that it was a	17		
	risk we certainly have to mitigate going	18	3 MS. DAWSON:	
18		19	Q. It's not	very rarely do people say that
	forward.		~	
19		20) they can't	hear me, very rare.
19 20	MS. DAWSON:	20	•	hear me, very rare.
19 20 21	MS. DAWSON: Q. And have fire suppressant systems been put i	in 20	CHAIRMAN:	
19 20 21 22	MS. DAWSON: Q. And have fire suppressant systems been put i all of these five communities as of to date?	in 20 21 22	CHAIRMAN: Q. Well, we	hear me, very rare.
21 22	MS. DAWSON: Q. And have fire suppressant systems been put i	in 21 22 23	CHAIRMAN: Q. Well, we MS. DAWSON:	-

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1 -	1 whi	ch plants we should focus on first. So the
2 CHAIRMAN:	2 plan	ts beyond what's listed in the RFI here
3 Q. That's why I had a following at City Hall.	3 wou	ld be further out in our long term plan.
4 MS. DAWSON:	4 MS. DAW	SON:
5 Q. Fair enough. Fair enough. Anyway, I'll ge		ess my concern is that Hatch, at least in
6 - I got to get focused. So, Mr. Moore, yo		report, recognized several fires
7 probably appreciated that comment. On	he 7 thro	ughout the years, at least since 2007 on,
8 014, PR-014, there are in that, which attache	s 8 and	it seems to be an ongoing issue. I mean,
9 the Hatch report I'm not going to go to t	ne 9 ther	e's more fires than one would like to
0 Hatch report. I'm just going to go straigh	10 ackı	nowledge. So I guess, then that comes to
1 to the actual worded document of the RFI.	and 11 the	issue of let me speak plainly, because
2 below, so you I think you wanted to hav	a 12 I do	on't have any other words whether
3 look at this. Below it indicates when the	13 anyl	body really cares, A, and B, if it does
fire suppression systems were going to 1	e 14 if th	ings if it does burn down, there isn't
5 installed and so my question is Hopedale	s 15 any	kind of backup. When your generator I
6 complete? Is that correct?	16 mea	in, we live in a world where generation or
7 MR. MOORE:	17 dies	el generator is a backup, right. That's
8 A. Yes, Hopedale is done now this year. The	t's 18 the	whole that's my life. I don't have
9 correct.	19 one,	, but I know people that do. So when Dark
0 MS. DAWSON:	20 NL h	happened, I was in the dark, but there are
Q. Okay. So it's not finished yet?	21 peop	ple who use them as backup. In our case,
2 MR. MOORE:	22 we'	re not using them as backup. We're using
A. Hopedale is complete as far as I know, as	art 23 then	n as the main source of our energy, our
of the generation expansion project.	24 heat	t, our light, our survival, and if they
25 MS. DAWSON:	25 burr	n down, there isn't much else around, is
	Page 118	Page 12
1 Q. Okay. And what about Nain? Is Nain dor	e? 1 ther	e?
2 MR. MOORE:	2 MR. MOO	RE:
3 A. Nain was planned to be done this year, b	it 3 A. In 1	most cases, or I'll say in all cases,
4 what happened with Nain apparently, t	ne 4 typi	cally there wouldn't be extra generation
5 pricing came the price that we had in th	e 5 on s	ite if the plant did burn down. But now
6 budget for the fire suppression system and	the 6 we d	do have a very extensive emergency plan and
7 actual bids that we received were much his	her 7 mot	bile is available in our fleet, plus mobiles
8 than our budget amount. So we're refocu	ing 8 that	can be readily accessed through third
9 on Nain and looking at plans going forw	rd 9 part	ies, such as Toromont Cat that we could
0 into next year.	10 certa	ainly expediently bring to a community if
1 MS. DAWSON:		were faced with that unfortunate situation
2 Q. And Cartwright is not done yet, nor Postvi	le? 12 of a	plant fire to get service back as quickly
3 MR. MOORE:		ossible. But you're right, there is
4 A. No.	-	diesel plant is the prime source of power
5 MS. DAWSON:		the community and there is no second
6 Q. And Makkovik is not done?		nt, I'll say, sitting there just in case.
7 MR. MOORE:	17 MS. DAW	
8 A. No.		Moore, I'd like to bring you to the key
9 MS. DAWSON:		formance indicator and it's Undertaking No.
20 Q. I don't see Rigolet here anywhere.	20 2 .	
1 MR. MOORE:	21 MS. GRAY	ζ:
I MR. MOORE:		
	~ 22 O When	at year. Ms. Dawson?
A. That would be further out in the plan. As		at year, Ms. Dawson? SON [.]
	ed 23 MS. DAW	-

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Pa	age 121	Page 123
1 Q. What year?	-	ves us 2013 performance
2 MS. DAWSON:	2 indicators and Mr. Jo	hnson put to Mr. Martin
3 Q. Oh, 2014. And page Appendix E, page E	22. 3 and other witnesses t	he 2014 annual report on
4 MS. GRAY:	4 performance indicato	ors. So it went in through
5 Q. Undertaking No. 2 just has two pages.	5 Mr. Johnson and I un	iderstood -
6 MS. DAWSON:	6 MS. GLYNN:	
7 Q. Pardon me?	7 Q. Yeah, that is in that	the actual 2014
8 MS. GRAY:	8 annual report which	would have contained the
9 Q. Undertaking No. 2 just has two pages.	9 KPIs is not on the rec	ord, but the KPIs that
10 MS. DAWSON:	10 were in that annual re	eport are in Information
11 Q. It's the 2014 Annual Report.	11 No. 5.	
12 MS. GRAY:	12 MR. O'BRIEN:	
13 Q. Okay.	13 Q. I think it's possible	circulated it as a
14 MS. DAWSON:	14 possible cross-exami	
15 Q. Sorry, you'd like to know which one. On k	I.	
16 performance indicators. I know it went in	-	
17 through Mr. Johnson, I know.	17 MR. O'BRIEN:	
18 MS. GRAY:	18 Q. That never went in.	That might be what it
19 Q. It's Exhibit 2 in Volume 2?	19 was.	
20 MS. DAWSON:	20 MS. GRAY:	
21 Q. Yes, it would be a supplement to Exhibit 2		t to enter it as an
22 that's right, in the GRA. But there should be	22 information. Sorry,	
a 2014, and I understand that the 2014 was		i do nave it as
24 disclosed in Understand Understand	24 MS. GLYNN:	
25 MS. GRAY:		ne from Newfoundland Power,
1 Q. Oh, Information No. 2?	age 122 1 Liam?	Page 124
2 MS. DAWSON:	2 MR. O'BRIEN:	
3 Q. Did I say undertaking, I'm sorry.		and from Mr. Martin. I
4 MS. GRAY:		red it as a possible cross-
5 Q. Information No. 5, I believe? No? Is that	5 examine -	ed it as a possible cross-
6 it?	6 MS. DAWSON:	
7 MS. DAWSON:		
	- -	
		t's just not
	9 Q. It was circulated. I 10 MR. O'BRIEN:	t s just not -
10 sorry, Ms. Gray, it's Information No. 5.		a aona in
11 MS. GRAY:	11 Q. But it may not have	e gone m.
12 Q. 5, yes.	12 MS. GLYNN:	: (l
13 MS. DAWSON:	-	it on the record. Now I've
14 Q. And so E22, page E22.	-	at number we are at.
15 MS. GRAY:	15 Information No. 13	
16 Q. I'm not sure if it's entered, but I'll -	16 MS. DAWSON:	• • • • • •
17 MS. DAWSON:		. I thought I have it
18 Q. Is it that perhaps only parts of the document	-	but I put it in my GRA
19 were entered? I don't know if Ms. Pennell c		re it should be, so I would
20 help us or not.	-	ologize to everybody about
21 MS. GLYNN:	21 that.	
22 Q. It's in the 2014 Annual Report? Is that when		
23 you're -	23 Q. So E22?	
24 MS. DAWSON:	24 MS. DAWSON:	
25 Q. Well, see, what I understand happened was	the 25 Q. E22, please. Now	v, Mr. Moore, I may not

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1	understand this document. I'm hoping you d	0. 1		systems. Typically, it's the if we look at
2	But the way I read it is that with respect to	2		duration of outages, most of the sites, if not
3	the Labrador Isolated Communities, and it	3		all the sites, require airfare or ferry travel
4	doesn't break it down, there's some issue, I	4		to get to the site. So, when we do get
5	would take it, as to reliability. Would that	5		interruptions or outages, they can tend to be
6	be fair when I look at this document? It	6	i	a little longer than in other areas just
7	seems to be that there's some issues with	7		because of the time required for travel to get
8	respect to power interruption.	8		to site to tend to the issue.
9 N	IR. MOORE:	9)	Now we are doing things like I mentioned
10	A. If I I can explain the numbers a little	10)	earlier to improve that going forward. One
11	bit. If we look at the way this chart is put	11		would be our training program that we've
12	together, we look at our three areas of TRO,	12		implemented for our diesel system
13	central, northern and Labrador, and it's also	13		representatives, so they can deal with a
14	broken down by the Interconnected system a			number of these issues that come up, rather
15	the Isolated system.	15		than someone being required to travel to site
	IS. DAWSON:	16		to deal with the issue. We're also doing some
17	Q. Um-hm.	17		upgrades to the system such as in Nain we
	IR. MOORE:	18		talked about, we're installing a second
19	A. And the measure of SAIFI, if you look over or			distribution feeder, which will improve
20	the top right or anywhere along there, SAIFI,	20		performance, and also the generation expansion
21	that's actually a measure of the frequency of	21		projects in Nain and Hopedale.
22	interruptions or I'll say the number of	22		But I would agree, looking at the
23	interruptions.	23		numbers, they are higher than the northern and
	IS. DAWSON:	24		the central areas. Another big driver that we do find in the Labrador system itself, and
25	Q. Yes.	25		· · · · · · · · · · · · · · · · · · ·
	-	ge 126		Page 128
	IR. MOORE:	1		like I say, we're addressing that through
$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$	A. And SAIDI is a measure of the the average	2		generation expansion projects, is that the
3	measure of the duration of interruptions. And the way the chart is broken down, it shows th			communities in the north coast of Labrador in particular are growing, vibrant communities
45	2014 numbers and it also shows these are	e 4 5		and as a result of that, the loading on our
6	the 2014 it says fourth quarter only.	6		generating units are much higher and run much
1	IS. DAWSON:	7		longer than any other units in the other areas
8	Q. Right.	8		of the Province. So that tends to require
1	IR. MOORE:	9		more maintenance and possibly more issues may
10	A. So that would be the fourth quarter of 2014	10		come up. But again, like I just mentioned
11	and it shows scheduled and unscheduled and			some things that we're doing to improve that
12	total for all those six areas.	11		going forward, but the fact that the load on
1	IS. DAWSON:	13		the units is higher and running longer in some
14	Q. So this is for just one quarter only?	14		of these communities has does result in
	IR. MOORE:	15		more maintenance and more issues with these
16	A. Yes.	16		units than in some of our other communities.
17 N	IS. DAWSON:	17	MS	. DAWSON:
18	Q. And I'm wondering why the Labrador Isola			Q. Can I take it then from your answer that at
19	seems to be the numbers here are	19		least as I look at this, as it relates to the
20	significantly higher than anything that's	20)	fourth quarter of 2014 -
21	above them. Is there a reason for that?			. MOORE:
22 N	IR. MOORE:	22		A. Right.
23	A. There are a number of reasons why we, in th			. DAWSON:
24	Labrador Isolated system, that we do see the			Q the undertakings that you mentioned, the
25	numbers a little higher than our other	25		general undertakings that you just mentioned,
<u> </u>	~			Baga 125 Baga 129

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		Page 129	Page 131
1	at least as to this date, had not been carri	ied 1	able to deal with it efficiently and
2	out?	2	effectively.
3	MR. MOORE:	3 M	IS. DAWSON:
4	A. That's right. What I just mentioned a		Q. Well, I could be wrong, but I understood that
5	capital projects that are being done nov		Mr. Moore was responsible for Labrador and the
6	2015, which will have a very strong foc		facilities in Labrador and so I guess I got to
7	improved reliability in those communitie	es. 7	get to my question before I can be overruled
8	MS. DAWSON:	8	on a question.
9	Q. So when it comes then to the concept of		IR. YOUNG:
10	efficiency, reliability and customer safe	•	Q. No, no, I'm not suggesting to overrule. I'm
11	I'm going to put it to you on the issue		just trying to suggest to you that there will
12	reliability that perhaps Hydro has so		be another panel who can deal with this in
13	shortfall there?	13	much more depth.
	MR. MOORE:		CHAIRMAN:
15	A. If I we are very focused on reliability		Q. We're certainly not going to overrule you.
16	very focused on the rural deficit as well		IR. YOUNG:
17	maintaining costs. Maintaining cost to b	-	Q. No.
18	is very much a very strong focus of t		IS. DAWSON:
19	regional management in the Labrador ar		Q. Mr. Moore -
20	would agree that the reliability numb		IR. MOORE:
21	there, as presented in the fourth quarter,		A. Yes.
22	higher than some of our other areas, and		AS. DAWSON:
23	are programs in the 2015 capital program		Q with respect to wind generation and any
24 25	we're doing to help address that. So, it's very strong focus on balance between co		feasibility studies, would you be involved in any wind generation in your area in northern
25	very strong rocus on barance between ee		
	mishility and somilar to our sustainers	Page 130	Page 132 Labrador in the isolated communities?
	reliability and service to our customers.		
1	(11:45 a.m.)		A I'd be very every of the studies and what
	MS. DAWSON: Q. Now Mr. Moore, I'm going to take you	3	A. I'd be very aware of the studies and what were, you know, the progress of the study
4	another area that I'm interested in, and the		along the way and maybe some of the results
5	is wind power and alternative energy so		that's coming out of the study, but the study
7	and again, with the focus first and foren		itself is led by our system planning group
8	of reducing costs in the isolated commu		within Hydro to look at alternative sources of
9	and reducing emissions generally, but n		generation and how that generation could be
10	reducing costs. So I want to ask you fir	-	possibly incorporated into our electrical
11	I'm going to suggest to you that with res		system in the future.
12	to Ramea and the wind generation there	-	IS. DAWSON:
13	least as it relates to the GRA, is a success		Q. Do you have any direct involvement then with
14	story. At least you call it a world-class		any of the feasibility studies that have been
15	facility in your GRA. Is that correct?	15	undertaken or I understood there was one in
1	MR. YOUNG:	16	2009 and I thought there was and I
17	Q. Mr. Chair, I'm not trying to interfere w	vith 17	understand there was another one in 2013. Did
18	the answer being given by Mr. Moore		you have any direct involvement in any of
19	extent he understands it, but just for M		these studies for wind power generation in
20	Dawson's benefit, there's another panel		Labrador isolated communities?
21	up after this one, the system operations	-	IR. MOORE:
22	planning panel, and they're much more		A. I would be involved from the perspective of
23	in this area. So just thinking, you know		being, I guess, consulted and informed on the
24	this question I'm sure Mr. Moore migh		progress of the study along the way and maybe
25	some feedback, but that panel is much b	better 25	how that may affect our system going forward,

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1 but I wouldn't be invol	lved in the direct	1	these different undertakings have not been put
2 decision making on the	results of the study	2	in place and looking at Ramea and the success
3 and what the future plan	s would be.	3	story or lack thereof, as Hydro may say, is
4 MS. DAWSON:		4	that best directed towards the systems people?
5 Q. Okay.		51	MR. MOORE:
6 MR. MOORE:		6	A. Yes, it would be.
7 A. But I would certainly be	e very well informed	7 I	MS. DAWSON:
8 along the way.		8	Q. Okay. Then on the tie-in that this may make
9 MS. DAWSON:		9	
10 Q. All right. So then I'm as	ssuming if I have any 1	10	to have the generators for backup to wind
11 questions about wind g		11	
12 alternative sources of eit		12	
13 a combination thereof, b	ecause they'd have to 1	13	
14 be connected to the diese	2	14 N	MR. MOORE:
15 MR. MOORE:	2	15	A. No, when if we were to do a wind project,
16 A. That's correct.	1	16	
17 MS. DAWSON:		17	
18 Q. As sort of an off an on.		18	
19 MR. MOORE:		19	
20 A. Right.		20	
21 MS. DAWSON:		21	-
22 Q. I understand all that. So		22	
then best focused on the		22	
24 MR. MOORE:		24	
25 A. They would be best fo		25	
	-		· · ·
1 planning papal	Page 134	1	Page 13
1 planning panel.		1	5
2 MS. DAWSON:		2	57 75
3 Q. The system planning. I'	•	3	8 ,
4 the different -		4	
5 MR. MOORE:		5	5
6 A. Okay.		6	5 6 1
7 MS. DAWSON:		7	I I I I I I I I I I I I I I I I I I I
8 Q and what everybody		8	, , , , , , , , , , , , , , , , , , ,
9 you know, I guess it's w	2	9	, 5
10 law or you do corporate		10	5 1
11 like that. Okay. That's	-	11	8 8
12 JOHNSON, Q.C.:		12	· · · · · · · · · · · · · · · · · · ·
13 Q. Same category.		13	
14 MS. DAWSON:	1	14	1
15 Q. Same category.	1	15	8
16 MR. HENDERSON:	1	16	,
17 A. Is there a difference?	1	17	
18 MR. MOORE:		18	5
19 A. Which one is the crimina	al? 1	19	involved.
20 CHAIRMAN:	2	20 N	MS. DAWSON:
21 Q. Criminals please stand.	2	21	Q. Fair enough. Then I will put to you though, I
22 MS. DAWSON:	2	22	have a concern, and this is a concern that I
23 Q. So if I want to ask so	mebody about the 2	23	don't know why it keeps coming to the back of
24 feasibility studies, when	re they are, the	24	my mind. In that a hydro electrical facility

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1	electrical and in particular with resp	-	1 MR. HENDERSON:
2	the oncoming Muskrat Falls und	•	2 A is a Vice-President of Hydro and with regard
3	because it's a huge undertaking. I'n		3 to these activities, Mr. Humphries, I'll say
4	put it to you that with respect to con		4 he doesn't report to me in terms of a solid
5	I see an inherent conflict, and I'm g		5 line, but as a dotted line, Mr. Humphries and
6	ask you to comment on it, and m	•	6 I are in discussion all the time about these
7	Henderson can comment on it, an		7 various options and what we should be doing,
8	conflict for people who might a		8 so that in that regard, he does report to me.
9	alternative sources of energy as it re		9 MS. DAWSON:
10	hydroelectric and I see a conflict b		
11	you're more interested in hydroeled		1
12	that's the whole point of your enter	·	
13	That's the whole point of Hydro, an		, , , , , , , , , , , , , , , , , , , ,
14	point of Nalcor and Muskrat Fa		1 5
15	hydroelectric, and you're not re	-	
16	interested in wind power as it rela		61
17	these isolated communities. So I'n		
18	put to you that that to me is then		5 1
19	conflict there and it bothers me som		
20	I'd like you to comment on that.		č :
21	comment on it, Mr. Moore, or you c		
22	to Mr. Henderson.	22	
	R. HENDERSON:	23	
24	A. I'll speak to that in terms of the con		
25	I don't see any conflict at all. Our r		Å
		Page 138	Page 140
1	is to provide least cost, reliable po		1 Labrador.
2	our customers and that does not ex	-	2 MR. HENDERSON:
3	alternatives. Our and I guess the	-	A. I'll disagree with you, and I think when you
4	the fact that we have implemented		4 speak to that panel, you'll understand the
5	Ramea and we are studying that f		5 efforts that are going on there and why it is,
6	systems. The other thing on the		6 in terms of timing right now, where it is.
7	Interconnected system, we purchase wind generating facilities on the	_	 7 MS. DAWSON: 8 O. Okay. And Mr. Henderson. I'm going to finish
8	Interconnected system, and our syst		
9 10	team are charged with looking at the		
10	cost options for supplying rel		
11 12	electricity over the long term for ea		
12	each of the areas which we supply		
13 14	options are on the table. There's		
14 15	nothing is excluded.	110 114	
	S. DAWSON:	15	
10 MI. 17	Q. Do the systems people, the system		
17	that's going to come up, are they re-	-	
19	to you? Do they answer to you, the	-	
20	that run the systems?		
	R. HENDERSON:	20	
22	A. The system operations and planning		22 MR. HENDERSON:
23	Humphries -	23 punci, wit:	
	S. DAWSON:	23	
25	Q. Yes.	25	
	x •••		jou usice this martin and became aware of that

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1 at that time.	1		ended Application that he was
2 MS. DAWSON:	2	e responsib	le for and I took that to include the
3 Q. And that is your first understanding that the		•	ly assigned charges as put forward
4 Act had those two particular clauses tho			e schedule. And of course, we've
5 two Acts had that particular clause in the			dence of the rate schedule in terms
6 and that's your first understanding of that	or 6		t was setting out for each of the
7 first awareness of that was when you -	7		Customers. But, on October 6th, he
8 MR. HENDERSON:	8		no longer to adopt the application as
9 A. Well, whatever actions we take, we rely o			pecifically assigned charges as had
10 legal department to ensure everything is			lied for in connection with OM&A.
11 compliance with the Act and they would l			ware of that?
12 know if there was any issues with respect		MR. HENDERSO	
13 that. So I'm not intimately familiar with t		-	rally aware, yes.
14 terms of the Act and the legal group would		JOHNSON, Q.C.	
15 the ones who would advise us on anything	g with 15	-	Ir. Henderson, can you confirm that
16 that, and so as I said, that was when I	16		in fact no longer adopting its
17 it's the first I heard of it and I'm not sure	17	• •	on relating to specifically assigned
18 that there what the implications are wit		•	s regards to OM&A for these various
19 regard to that, but that's when I became			s who receive specifically assigned
20 aware.	20	U	
21 MS. DAWSON:		MR. HENDERSC	
22 Q. I think though, Mr. Henderson, you might	-	-	rstanding of the issue is that I think
23 with me there's a big difference between			at has been put forward has merit and
24 letter of the law or black letter of the law	24		a review, I believe, in the further
25 and how it's read and the spirit and intent		cost of se	rvice evaluations.
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1 a particular piece of legislation and what		JOHNSON, Q.C.	
2 I guess why the government put it there in the	2	-	e saying what's been put forward by
3 first place. The spirit and intent would be	3		arrants a review?
4 that people should be aware of the Land Claims		MR. HENDERSC	
5 Agreement and what it means to the people of	5		ere was the my understanding was
6 Nunatsiavut. So I guess if you weren't aware	6		e had put forward an alternative
7 of it, then it probably would not be first and	7		m. I'm not I don't know any of the
8 foremost in your mind.	8		I'm just aware that that had
9 MR. HENDERSON:	9		and that Mr. Fagan had indicated that
10 A. I'm aware that there were agreements, but I	10		some merit to that approach. I'm
11 did not know I don't know the detail with	11		what else that was said in that
12 respect to how it influences that Act.	12	e	
13 MS. DAWSON:		JOHNSON, Q.C.	
14 Q. Thank you. They're all my questions.	14	•	bu state, you know, does Hydro have an
15 CHAIRMAN:	15	-	position here that in fact the
16 Q. I think Mr. Johnson, we're over to you for	16		on as regards responsibility for OM&A
17 some matters which arose.	17	÷	or specifically assigned assets, that
18 MR. ROBERT HENDERSON, MR. DARREN MOORE, MR. TERR		-	now not seeking what it applied for,
19 GARDINER, RE-CROSS-EXAMINATION BY THOMAS JOHNSON, C			eking something else? Is that
20 JOHNSON, Q.C.:	20	-	official position?
21 Q. Yes. Yes, Mr. Chairman. Good day, gentlemen,		MR. HENDERSO	
22 again. Mr. Henderson, on October 5th when Mr.	22	•	rstanding of it, it was an area that
23 Fagan started providing testimony before the	23		r discussion. I had not nothing
24 Board, I understood that he had that he	24		to me to say that we've changed our
adopted the written evidence in the areas of	25	position,	but I think what I'm aware of is

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1 that there was merit there and I underst	tood 1	to five or five to ten or ten to 15, et
2 that it would be part of a review of the c	cost 2	e cetera. They weren't aware of any such
3 of service and how costs are allocated to	o the 3	studies undertaken by Hydro. Can you confirm
4 specifically assigned charge was un	der 4	that that's the case as well?
5 consideration at this hearing.	5	MR. HENDERSON:
6 (12:00 p.m.)	6	
7 JOHNSON, Q.C.:	7	J
8 Q. Okay. So you were not aware, had		
9 involvement in the change, in any chan	-	
10 Hydro's position as regards the relief it v	was 10	1
11 seeking in the application?	11	
12 MR. HENDERSON:	12	I I I I I I I I I I I I I I I I I I I
13 A. It was not brought to me to say that we was		JOHNSON, Q.C.:
14 - you know, are we going to categoric		
15 change it. I just was aware that we saw		
16 merit in the suggested change. That's the		ε
17 it was presented to me, that there was va		
18 in that approach.	18	
19 JOHNSON, Q.C.:	19	
20 Q. We were advised yesterday that the iss		
21 whether Hydro would be filing a fur		
22 application or amended application was		
23 advisement. Can you advise whether the		
been any developments in that regard syesterday?		,
25 yesterday?	25	
	Page 146	Page 148
1 MR. HENDERSON:	1	,
2 A. No, there has not. I have not been in a	-	
 discussions. You know, once Mr. Faga off the stand yesterday, we were on, and 		58
5 57 7		
5 has not been anything discussed.	5	1 21
6 JOHNSON, Q.C.:	6	
7 Q. Okay. 8 MR. CASS:	7	
9 Q. Sorry, Mr. Chair, I might add that cour		
10 have not been in communication with		
11 Henderson about the evidence because		MR. HENDERSON:
12 been under cross-examination since mai		
13 ago. So we have not been communicati	•••	-
14 Mr. Henderson about the evidence.	14	
15 JOHNSON, Q.C.:		5 JOHNSON, Q.C.:
16 Q. Okay. Just turning to the merits, if I cou		
17 Mr. Henderson. Has the we've heard		
18 through other witnesses, that I think		
19 was Mr. Greneman and Mr. Fagan who		
20 that Hydro has not determined the actua		-
21 costs of transmission facilities on the bas		MR. HENDERSON:
22 of age. For example, we've been told so		
that Hydro has not done any studies, at 1		
to their knowledge, comparing what O8		
25 of facilities would be from, you know, a		

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1	to you.	1	program related to certain type of insulator
2 JC	DHNSON, Q.C.:	2	that had to be replaced and that was all done
3	Q. So just if we could bring up IN-NLH-114,	3	under a capital program, I recall. You know,
4	Revision 1, and specifically, if I could	4	certainly remember the line from Happy Valley-
5	direct you to Attachment 2, page three of	5	Goose Bay to Labrador City had all of or to
6	five. Mr. Henderson, as I understand it,	6	Churchill Falls had all of the insulators
7	these are starting at page three of five in	7	replaced on it through that kind of a program
8	this attachment, here's a complete listing of	8	which was a defective insulator.
9	all of the specific assets that are in		OHNSON, Q.C.:
)	connection if you scroll up a little bit,	10	Q. I see. So in terms of the items that we see
1	you can see the customers name there being	10	listed for the Vale line, these would be
2	Vale.		subject just to confirm for the record,
	Vale. S. GRAY:	12	
		13	these would be subject to bathtub curve,
1	Q. Page four, Mr. Johnson.	14	right?
	DHNSON, Q.C.:		MR. HENDERSON:
5	Q. I'm sorry, page four of five, okay. So this	16	A. The insulators themselves, it is not my
7	is all the associated equipment, so everything	17	experience that we have much in the way of
3	from batteries, chargers, distribution panels,	18	early failures. The insulators tend to last
)	breakers, bus work, bushings, and if you could	19	quite a while before you end up with troubles
)	keep on going down, Jennifer, disconnects,	20	with them, which could come from environmental
l	fire protection, grounding, heat light	21	conditions that are causing perhaps
2	ventilation, security, I presume, HV	22	deterioration to the porcelain or the glass or
3	arresters, more arresters, neutral ground	23	the connectors, that sort of thing.
4	resistors I'm assuming, keep on going,	24 J	OHNSON, Q.C.:
5	protection A, tap changers, et cetera. So to	25	Q. But to answer my question, the list of items
	Page	e 150	Page
1	make no mistake, there's more to this than	1	that we see, and you've made an exception for
2	just a tower configuration heading down to the	2	insulators, but the rest of the list would be
3	Vale site, right?	3	subject to the bathtub curve considerations?
	R. HENDERSON:		MR. HENDERSON:
5	A. Well there's a lot of different material	5	A. Well, they all do, but as I was saying
5	that's used in the service to Vale.	6	earlier, the type of equipment each type of
	DHNSON, Q.C.:	7	equipment would be more prone than others and
3	Q. Yeah. Now, and incidentally, this line would	8	then, you know, it depends on the complexity
	have insulators I take it?		of the equipment and how much design work an
)		9	
	R. HENDERSON:	10	interconnection, you know, how much all the
	A. Yes.	11	facilities have to work together to come up
	DHNSON, Q.C.:	12	with a result. All of those things impact on
3	Q. And in fact, a number of years ago, as I	13	how reliable and what type of failures you may
ł	understand it, Hydro had a problem with new		get in early operation.
5	insulators, I believe, on its transmission	15 J	OHNSON, Q.C.:
5	lines arising from salt contamination. Is	16	Q. So what sort of equipment do you see in the
7	that correct?	17	list here that could be subject in particular
3 M	R. HENDERSON:	18	to those types of concerns?
)	A. Well, we've had issues with salt contamination	1 19 M	MR. HENDERSON:
)	in certain areas. I'll say on the Northern	20	A. Well, I would say I don't think, you know,
l	Peninsula, salt contamination has been an	21	I think it's worthwhile going down through all
	issue on the lines. That's the most	22	of them, but I would say that there's a number
2		1	,
	predominant place where salt contamination w	as 23	of them that would be and a number of them
2 3 4	predominant place where salt contamination w an issue. There was a time that we went	as 23 24	of them that would be and a number of them would be less prone, and it's just that it's

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1 equipment.	1	1	have something that has moving parts and a
2 JOHNSON, Q.C.:	2	2	breaker is a good example where it has moving
3 Q. So the number of them that would be, what	t sort 3	3	parts, if that's used more often, it can have
4 of items would they be or components?	2	4	more wear than one that is hardly ever used.
5 MR. HENDERSON:	5	5 J(OHNSON, Q.C.:
6 A. Well, as I've not sure that I can say	6	6	Q. Yes.
7 like in terms of as examples, you may end	up 7	7 M	MR. HENDERSON:
8 with issues with I'm going to say protection	on 8	8	A. And that would cause it to require more
9 and control systems that maybe have setting	ngs 9	9	maintenance.
10 to be adjusted or their electronic componer	nts 10	0 J0	OHNSON, Q.C.:
11 that may have failures because just the	11	1	Q. And in terms of putting the Vale operation,
12 various manufacturing effects, and that ca	an 12	2	and it's still not up to full operation, but
13 generally happen to a lot of different	13	3	this will be the Province's largest or the
14 components, but some would be more pror	ne to an 14	4	Island's largest industrial customer by quite
15 early failure than others.	15	5	a margin, right. In terms of the type of load
l6 JOHNSON, Q.C.:	16	6	and requirements that that infrastructure is
17 Q. Okay. Now you -	17	7	going to have to meet, would you care to
18 MR. HENDERSON:	18		comment on, you know, the challenge of that
A. And it depends and it also would vary fr			operation environment on the assets?
20 manufacturer to manufacturer. There's a l			MR. HENDERSON:
of different aspects to that.	21		A. Well, in terms of challenges, I would say that
22 JOHNSON, Q.C.:	22		most of the equipment, most of the electrical
23 Q. You indicated that with certain equipment,			equipment, once you put power on it, it will
may come with a weakness that gets reve			prove itself as to how well it's running. But
and would you agree that sometimes it tal			some elements of it, if you've never loaded it
	Page 154		Page 15
1 longer than a minimal period for it to b	ũ l	1	all the way up, you may not reveal something
· · · · · · · ·		1	until you've fully loaded it up. And so that
		2	would be perhaps, in their circumstance, it
		3	would be perhaps, in their circumstance, it would probably be the transformers would be
4 MR. HENDERSON:		4	· ·
5 A. It depends on the particular compo-		5	the one thing that I would think would have
6 because it depends on how much the c	-	6	that kind of the big power transformers
7 is used. For instance, if you have a fac	-	7	would have that particular difference. The
8 that has a large capability and it's on	-	8	rest of it, I don't think it would matter so
9 using a small amount of its capability a	-	9	much, but because of the nature of the
bring it to its full capability, you ma	•		equipment, but the transformers themselves,
reveal things at that time. So for instar			they have not been loaded to their full extent
if you put something in service in the s			yet, because the load isn't there yet.
when the load is low and then during	-		OHNSON, Q.C.:
4 winter when the load is higher, you ma	-		Q. And like comparing the load, for instance,
something because the equipment is be	e e		that this infrastructure will be tasked with
6 more intensively, those types of things.			serving versus say the Teck load, can you put
17 JOHNSON, Q.C.:	17		those in some sort of perspective for us, even
Q. Okay. And you stated in your answe			the Teck load when it was fully ramped up?
questions from Mr. O'Reilly that if yo			MR. HENDERSON:
heavy loading on transformers or brea			A. There's a difference in load, but there's a
believe I tried to capture you correctly,	•	1	much there's a greater difference in the
can expect more O&A. Do you want to	elaborate 22	2	infrastructure too. The Teck infrastructure
23 on that?	23	3	would be much would be designed for the
24 MR. HENDERSON:	24	4	size of that load versus the equipment that's
A. Well, what I was trying to explain is if	f you 25	5	in place for Vale is much larger because of

Page 1571the larger loads.2JOHNSON, Q.C.:3Q. Yes. So for instance, like the transformer4infrastructure for Vale, would Teck have had5similar transformer situation, similar6substation as Vale has?7MR. HENDERSON:8A. It would be similar, but not identical.9There's differences in configuration in those10stations.11JOHNSON, Q.C.:12Q. That's thet hathtub curve13JOHNSON, Q.C.:14JOHNSON, Q.C.:15Stations.16Stations.17JOHNSON, Q.C.:10Stations.11JOHNSON, Q.C.:12Q. In terms of like lat's new mutting Teals as a13D. In terms of like lat's new mutting Teals as a	e which shows the
 2 JOHNSON, Q.C.: 3 Q. Yes. So for instance, like the transformer 4 infrastructure for Vale, would Teck have had 5 similar transformer situation, similar 6 substation as Vale has? 7 MR. HENDERSON: 8 A. It would be similar, but not identical. 9 There's differences in configuration in those 10 stations. 11 JOHNSON, Q.C.: 2 Q. If I could just draw your 3 1.11 of Hydro's evidence 4 bathtub curve. I'm sorry, 5 MS. GRAY: 6 Q. Sorry, is it - 7 JOHNSON, Q.C.: 8 Q. Page 1.11. 9 MS. GRAY: 10 Q. Oh, 1.11, sorry. 11 JOHNSON, Q.C.: 	e which shows the
3Q. Yes. So for instance, like the transformer4infrastructure for Vale, would Teck have had5similar transformer situation, similar6substation as Vale has?7MR. HENDERSON:8A. It would be similar, but not identical.9There's differences in configuration in those10stations.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	e which shows the
4infrastructure for Vale, would Teck have had 54bathtub curve. I'm sorry, 55similar transformer situation, similar 65MS. GRAY:6substation as Vale has?6Q. Sorry, is it - 77MR. HENDERSON: 87JOHNSON, Q.C.:8A. It would be similar, but not identical. 98Q. Page 1.11.9There's differences in configuration in those 109MS. GRAY:10stations.10Q. Oh, 1.11, sorry.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	
5similar transformer situation, similar5MS. GRAY:6substation as Vale has?6Q. Sorry, is it -7MR. HENDERSON:7JOHNSON, Q.C.:8A. It would be similar, but not identical.8Q. Page 1.11.9There's differences in configuration in those9MS. GRAY:10stations.10Q. Oh, 1.11, sorry.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	1.11.
6substation as Vale has?6Q. Sorry, is it -7MR. HENDERSON:7JOHNSON, Q.C.:8A. It would be similar, but not identical.8Q. Page 1.11.9There's differences in configuration in those9MS. GRAY:10stations.10Q. Oh, 1.11, sorry.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	
7 MR. HENDERSON:7 JOHNSON, Q.C.:8 A. It would be similar, but not identical.8 Q. Page 1.11.9 There's differences in configuration in those9 MS. GRAY:10 stations.10 Q. Oh, 1.11, sorry.11 JOHNSON, Q.C.:11 JOHNSON, Q.C.:	
8A. It would be similar, but not identical.8Q. Page 1.11.9There's differences in configuration in those9MS. GRAY:10stations.10Q. Oh, 1.11, sorry.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	
9There's differences in configuration in those9MS. GRAY:10stations.10Q. Oh, 1.11, sorry.11JOHNSON, Q.C.:11JOHNSON, Q.C.:	
10 stations. 10 Q. Oh, 1.11, sorry. 11 JOHNSON, Q.C.: 11 JOHNSON, Q.C.:	
11 JOHNSON, Q.C.: 11 JOHNSON, Q.C.:	
12 O In terms of like let's care mutting Teals of a	
	and we see it there
13percentage of what Vale is going to be, in13before us now when we s	•
14 terms of a customer, would they be one-tenth, 14 period. Do you know how	-
15 one-fifth, in terms of the load that they're 15 know this comes from the	
16going to be bearing?I'm comparing now Vale16Standards, it looks to com	
17at full and Teck at full.17know, Mr. Henderson, ho	
18 MR. HENDERSON:18down to where it starts fla	ttening out?
19A. Well, in terms of megawatts delivered, Teck19MR. HENDERSON:	
20 I'll say is just around ten megawatts or under 20 A. I would suggest to you t	
21 ten and Vale, I'm not sure yet where they're 21 variable by different equip	pment.
22 going to end up, but I'll say 70 or 80 22 JOHNSON, Q.C.:	
23 megawatts in that range. So, you know, one 23 Q. Highly variable, okay.	
24 might be the Vale load is perhaps seven 24 CHAIRMAN:	
25 times what the Teck load is. 25 Q. And used, I guess, too?	
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1 (12:15 a.m.) 1 MR. HENDERSON:	
2 JOHNSON, Q.C.: 2 A. It would, yes, that's correct.	
3 Q. And you referred as well, I tried to take it 3 JOHNSON, Q.C.:	1
4 down as you were asking questions or answering 4 Q. And do you know, Mr. Hen	
5questions. You were talking about where on consumable type items. I think that was the5this you mightn't know and 66you know if when Hydro un	
7word you used. I wasn't quite sure what you7of the Vale connection facili8were saying. IF you could just elaborate on8of the specifically assigned of	
9 that a bit. 9 for the spectrum of the spectr	-
10 MR. HENDERSON: 10 MR. HENDERSON:	
11 A. So there are certain components of equipment 11 A. What I know is that when w	e were reviewing the
12 that will be consumed, used on the equipment 12 power contract with Vale, the	•
13 that have to be replaced. There wouldn't be 13 regarding what was invol	
14 very much in terms of the infrastructure here, 14 specifically assigned charge	
15 but there'd be components. I'll say there's 15 have provided to them - our	
16 certain components of the transformer related 16 our rates department who	
17 to filters and that sort of thing that may 17 details of the calculation to	
18 have to be replaced. But there's not a lot of 18 them, I don't know what det	•
19 those types of things in the context of 19 in terms of estimates, but I v	
20 electrical infrastructure that serves a 20 they were given an explanat	
21 customer directly like that. You have more 21 understood what was involved	-
22 consumables in a generating plant, for 22 with the specifically assigned	
23 instance, with a lot of rotating equipment, 23 you know, that the specifi	-
than you would with the type of equipment 24 charge gets set at a general r	
25 there that's stationary. 25 and it would be fixed then	

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1	time until the next general rate application.	1		rates people, and our legal people would then
2 јс	OHNSON, Q.C.:	2		meet with the customer to explain to them
3	Q. And if Vale had asked Hydro for some sort of	3		different aspects of the service that they'll
4	estimate of its O & M costs, would Hydro have	4		get, and that would include giving them, for
5	been able to provide some sort of estimate to	5		instance, a pro forma power contract which,
6	Vale if they had asked for it?	6	i	you know, the - the industrial contracts are
7 M	IR. HENDERSON:	7		not all identical, but they're very similar.
8	A. I would expect we would have been able to give	8		So there would be sort of a pro forma contract
9	some kind of general estimate because it does	9)	that would be provided and there would be a
10	require a cost of service study and all the	10)	discussion then starting about what the terms
11	things involved with that, but certainly we'd	11		of the contract mean and how they've been used
12	be able to give them a ball park indication of	12		over the years, and whether the have
13	around what it would be.	13		particular meaning to that customer. So it
14 JC	OHNSON, Q.C.:	14		would be around that, and talking about the
15	Q. Okay, and do you know who at Hydro would have	15		cost. We would also have the system planning
16	been having the direct dealings with Vale on	16		people who would be looking at how the
17	the matter?	17		customer will be connected, whether they're
18 M	IR. HENDERSON:	18		going to be on one transmission line, two
19	A. Well, there was - when the initial discussions	19		transmission lines to the site, multiple
20	with Vale started, I was involved, but I	20)	transformers, so there would be a discussion
21	wasn't there right through to the end, but I	21		of exactly what kind of electrical connection
22	do know that the people in our rates group	22		there would be, and then we would involve our
23	were asked to attend the meetings to be able	23		technical services group from the project
24	to explain those types of things to them.	24		execution and technical services to give
25 JC	DHNSON, Q.C.:	25		estimates of cost. We would move down a road
	Page 16	62		Page 164
1	Q. Mr. Henderson, are you able to walk us through	1		then of a series of meetings and discussions
2	what Hydro's procedure would be relating to a	2		on all of those aspects of the service, so
3	new customer connection such as a Vale type	3		that they fully understood all of the elements
4	customer or would that be someone better -	4		and were satisfied they understood what was
5	would that be better for Mr. Humphries?	5		involved with obtaining service from Hydro.
6 M	IR. HENDERSON:	6		INSON, Q.C.:
7	A. I can do it in the sense that I was there with	7	Ç	2. Okay, and would Hydro have - are you satisfied
8	Vale when they came, so I can give a sense of	8		that Hydro fully followed its procedure when
9	what happened.	9)	Vale submitted its connection request to you
	OHNSON, Q.C.:	10		folks?
11	Q. Yeah, the procedure?	11		HENDERSON:
1	IR. HENDERSON:	12		A. Yes.
13	A. Initially, there would have been some contact			INSON, Q.C.:
14	made with Hydro to indicate that they were	14). Okay, and is there - do you have a copy or
15	looking for service, and that could have come	15		does Hydro have a written policy as regards
16	through a number of different avenues in terms	16		connection procedures?
17	of notifying the company, but once that had			HENDERSON:
18	happened and it was identified where the	18		A. Not to industrial customers because they are
19	customer is in the system, and generally the	19		each in themselves pretty unique, so there's a
20	size of the load, then you'd know whether	20		certain group of people that are involved, as
21	they're going to be a general service customer	21		I said, as I just went through. A number of
22	or an industrial customer. Once they're	22		different people in Hydro that we brought
23	identified to be an industrial customer, then	23		together to meet with the customer.
24	what we would do is we would have our system			INSON, Q.C.:
25	planning people and system operations, our	25	Ç	Q. Okay. Would Vale have had to provide like a

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1	formal connection request to you folks?	1	we wouldn't have expected ever to divulge to
2 MF	R. HENDERSON:	2	anybody, and that wouldn't have been the basis
3	A. There would have been some formal agreements	3	we received it. I'm not sure exactly of the
4	before we would have started any construction.	4	value of this. We can have a look to see if
5	There would have to be certain commitments	5	an estimate had been provided, etc, you know,
6	from them before we would start construction	6	as Mr. Henderson has alluded. The evidence is
7	of the facilities, so there were a number of	7	right here that it's most likely to have been
8	steps that we went through there with them. I	8	provided in a meeting, so I'm not sure we can
9	wasn't real close to all the detail on it, but	9	provide something meaningful. We can look
10	there was discussion certainly around the fact	10	into it.
11	that they were going to pay the capital cost	11	JOHNSON, Q.C.:
12	rather than have it - they were going to pay	12	Q. Okay, yes.
13	the capital cost upfront, if you like, or as	13	MS. GLYNN:
14	the capital work was completed, they would	14	Q. Noted on the record.
15	have made payments for it. There would have	15	JOHNSON, Q.C.:
16	been agreement in place before we start to	16	Q. So an undertaking to look into it or an
17	incur any cost with them to make sure that	17	undertaking to -
18	that was all - that the commitment was there.	18	MR. YOUNG:
	HNSON, Q.C.:	19	Q. Well, if we have it, we'll provide it if
	Q. Is there a record at Hydro of Vale's	20	you're happier with a document. My point is
21	connection request and - I presume there's a	21	there may not be one. There may have been a
22	file indicating the back and forth between	22	discussion.
23	Vale and Hydro?	23	JOHNSON, Q.C.:
24 MF	R. HENDERSON:	24	Q. Okay. Mr. Henderson, were any upgrades
25	A. There would be a level of communications that	25	required to the island's transmission system
	Page 160	5	Page 168
1	would be in a number of different means; some	1	beyond those relating to the connection itself
2	written, some email, some - there's a lot of	2	
3	different matters of communications that would	3	MR. HENDERSON:
4	have occurred.	4	A. There was specifically assigned equipment,
5 JOI	HNSON, Q.C.:	5	upgrades that were done to connect to them.
	Q. And are you familiar with the communications	6	I'm not aware that there was anything else
7	yourself?	7	specific to Vale other than the transmission
	R. HENDERSON:	8	line that goes down there, the transformers,
9	A. I'm familiar with them up to a certain point	9	breakers related to the line, the things that
10	when I became less involved.	10	we saw here.
	HNSON, Q.C.:	11	JOHNSON, Q.C.:
	Q. I wonder if Hydro could undertake to provide	12	Q. Now just to clear up something, you indicated
13	any communications pertaining to the OM & A,	13	a few moments ago that Vale paid for all of
14	any estimates that were provided to Vale along	14	the costs, and I noticed that Mr. Dean had
15	those lines, any requests that Vale had sought	15	indicated just - if we could go to October
16	in relation to OM & A estimates	16	1st, page 3, line 16 to 18. I noticed this
17	responsibility, those type of things.	17	when I was preparing for today. That's
	R. YOUNG:	18	October 1st, at page 3, lines 16 to 18. Oh,
	Q. Mr. Chair, we could look into that. A couple	19	I'm sorry, it must be October 5th, is it? When
20	of points arise, I think, from that. One is	20	did Mr. Dean testify? Sorry about that, was
21	that depending on the nature of the - the	21	it the 5th?
22	question that actually came there at the end,		MS. GRAY:
23	I was concerned it was going to get into some	23	Q. Was it the 5th?
24	confidential communications from the customer		JOHNSON, Q.C.:
25	and there may be some of that involved, which	25	Q. Sorry, Jennifer. I'm not even sure if it was
-			

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1 the 5th here now. I want to be careful. I	1 undertake for that.
2 don't want to send you on a -	2 (12:30 p.m.)
3 MS. GLYNN:	3 MS. GLYNN:
4 Q. It was October 1.	4 Q. Noted on the record.
5 MS. GRAY:	5 JOHNSON, Q.C.:
6 Q. It was on page 3, though, Mr. Johnson.	6 Q. Thank you. Mr. Henderson, is it your
7 JOHNSON, Q.C.:	7 understanding that Hydro's connection
 8 Q. Okay, well, in any event, the reference that I 9 took as a quote was he said, "As Vale paid for 	1
10 most of the transmission line and terminal	10 MR. HENDERSON:
11 station serving the Vale plant, the	11 A. I'm not familiar with what happens in other
depreciation and return on debt and equity is	
13 low". That was the quote I took, and I just	13 JOHNSON, Q.C.:
14 want to clarify whether, in fact, Vale paid	14 Q. Okay. The order that the Board made in
15 for most of the transmission and terminal	approving the power service agreement with
16 station serving the Vale plant or whether they	
17 paid for all of it?	a draft agreement and the Board approved it,
18 MR. HENDERSON:	that's an attachment to PU-6-2012, just for
A. I'll say that I'm not certain whether it was	19 the record. Do you know who signed the
20 all, but it would have been most. I may have	20 service agreement on behalf of Vale, Mr.
21 made a mistake, but I just knew that the	21 Henderson?
22 discussion was around the incremental cost,	, 22 MR. HENDERSON:
but there certainly were facilities there that	23 A. No, I don't.
24 pre-existed them that they wouldn't have pair	d 24 JOHNSON, Q.C.:
25 for.	25 Q. Would you undertake to provide that as well,
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1 JOHNSON, Q.C.:	1 the signatories on behalf of Vale?
2 Q. But in terms of whatever was constructed no	w, 2 MR. HENDERSON:
3 whatever was constructed and is now conside	ered 3 A. Yes.
4 a specifically assigned asset of Vale, I want	4 MR. YOUNG:
5 to know did Vale pay for all of it?	5 Q. To the extent that we -
6 MR. HENDERSON:	6 O'REILLY, Q.C.:
7 A. I guess, I'll have to say I'd have to check	7 Q. That's part of the record, isn't it?
8 that because there could have been aspects of	
9 it that were there that weren't part of that	9 Q. Yes, I think it is part of the record. It's
10 upfront payment, but the bulk of it certainly	10 in PU-12, it's an attachment.
11 was.	11 JOHNSON, Q.C.:
12 JOHNSON, Q.C.:	12 Q. I'm sorry, but that's not signed, that's just
13 Q. Okay, can you undertake or can Hydro under	
14 to advise us if they paid for all of what's	14 MR. YOUNG:
been specifically assigned to them, and if	15 Q. Oh, that's a draft. Oh, I see, the final
16 not, who ended up paying for it.	16 agreement?
17 MR. YOUNG:	17 JOHNSON, Q.C.:
18 Q. Just so we understand - that sounds like a	18 Q. Right.
19 reasonable undertaking. I just want to make	
20 sure I understand it. So it's the capital cost	20 Q. Mr. Chair, I'm not sure what the relevance of
21 that you're -	21 that would be. I mean, Vale may have just
22 JOHNSON, Q.C.:	22 some officer to sign an agreement. We're
23 Q. That's correct.	23 getting into minutia here. I'm just not sure
24 MR. YOUNG:	24 where this is going.
25 Q. Understood. We can look into that, we can	1 25 JOHNSON, Q.C.:

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1	Q. Well, Mr. Chairman, Mr. Dean testified on	1	received from Vale.
2	behalf of Vale, of Vale's surprise as to	2	JOHNSON, Q.C.:
3	charges, and we've heard now evidence from Mr.	3	Q. Okay.
4	Henderson as to the process that was followed,	4	MS. GLYNN:
5	the communications going back and forth, and I	5	Q. Noted on the record.
6	think it's material to ask, like, who signed	6	6 CHAIRMAN:
7	this on behalf of Vale, and it's not clear on	7	Q. I mean, it's a legal document, but I'm not
8	the record who did, and I don't think it's	8	sure how relevant who signed it is? I mean, I
9	irrelevant.	9	don't know, but, anyway, you said you can get
10	MR. YOUNG:	10	it, so -
11	Q. Is it in the - I mean, I can see the relevance	11	MR. YOUNG:
12	if there's something in the agreement that	12	Q. I will certainly look to see.
13	deals with this specific issue, but if the	13	JOHNSON, Q.C.:
14	agreement deals with other matters, I don't	14	Q Okay. Mr. Fagan testified yesterday, Mr.
15	see how it's relevant.	15	Henderson, on - that would have been October
16	JOHNSON, Q.C.:	16	6 6th, actually. If we could bring up page 62,
17	Q. Well, if we can go to -	17	lines 3 to 13. Actually, if you go up a
18	CHAIRMAN:	18	little bit further onto the previous page, at
19	Q. This is a legal document that actually exists,	19	the bottom - line 20, 21, in that vicinity.
20	isn't it?	20	Here we go. He says, "Because actually the
21	MR. YOUNG:	21	approach that Mr. Dean is proposing is
22	Q. Oh, it is, it's a signed legal document. I	22	consistent with the approach used and approved
23	mean, we can get the information. I'm just	23	by the Board for determining the charges for
24	wondering about the relevance of this level of	24	Newfoundland Power that they use", and he goes
25	exchange.	25	on to say, "They indexed the cost on the Handy
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1	JOHNSON, Q.C.:	1	6
2	Q. 101(b) actually deals with how specifically	2	distribution asset", and then he goes on to
3	assigned charges are handled, so it does refer	3	
4	to specifically assigned charges in relation	4	now for specifically assigned charges is
5	to O & M costs, just to answer Mr. Young's	5	
6	query in that regard. I don't plan to go	6	Power's CIAC policy up to, I think, September
7	through it.	7	
8	O'REILLY, Q.C.:'	8	8
9	Q. I'm sorry, what was the reference again, Mr.	9	
10	Johnson?	10	C .
I	JOHNSON, Q.C.:	11	6
12	Q. 101(b). It means the payment made by the	12	
13	customer in each month calculated according to	13	
14	a method approved by the Board for use of	14	
15	specifically assigned plant.	15	e. e
	MR. YOUNG:	16	1 5 6
17	Q. Mr. Chairman, we can dig out that document if	17	
18	it's executed, and one of the other things	18	
19	about these documents incidentally, and this	19	0
20	is another conversation, we're getting off the	20	
21	track here, but these agreements, because we	21	6
22	don't have complete freedom of contract, we	22	
23	provide them to the Board, we have some of		MR. HENDERSON:
24	these that aren't even signed. I will check	24	
25	to see if there's a signature on what we	25	know, I can see what Mr. Fagan was exchanging,

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1	and the only thing I can say is that I	C	1		other places?
2	understood from a high level discussion	that	2	MR	R. HENDERSON:
3	the approach Mr. Fagan had mentioned	to me	3	A	A. I don't know what's happening in other
4	that there is merit in it.		4		jurisdictions. I can't really pass any comment
5 JC	DHNSON, Q.C.:		5		on that.
6	Q. Okay, and are you familiar with whether	or not	6	JOH	HNSON, Q.C.:
7	Hydro's CIAC policy is similar to Newfor	indland	7	(Q. Can you pass comment on whether you believe it
8	Power's at this point?		8		will be good regulatory practice to implement
9 M	IR. HENDERSON:		9)	a new methodology when it's probably not a bad
10	A. My understanding is our contribution in	aid	10)	starting point, as Mr. Fagan termed it, when
11	construction policy is the same as		11		it transfer \$350,000.00 from a single
12	Newfoundland Power's.		12		customer, being Vale in this instance, who I
13 JC	DHNSON, Q.C.:		13		would submit to you knew or ought to have
14	Q. It's the same as Newfoundland Power's,	okay.	14		known full well what it was signing on for,
15	To your knowledge, Mr. Henderson, ha	is any	15		and transferring that responsibility to other
16	witness in this proceeding been able t	0	16		customers?
17	identify a single jurisdiction that actually	/	17	MR	R. HENDERSON:
18	uses Mr. Dean's or Vale's alternativ	e	18	A	A. I would suggest that the regulatory process -
19	methodology for calculating these O &	хM	19		that's the type of thing that the Board would
20	charges?		20)	be asked to make a decision on, what is the
21 M	IR. HENDERSON:		21		appropriate thing and a fair thing to do.
22	A. I don't have any knowledge in that regard				HNSON, Q.C.:
23 JC	DHNSON, Q.C.:		23		Q. Would you think, Mr. Henderson, that it would
24	Q. Mr. Henderson, yesterday - on October 6		24		be a better idea to look at this more
25	Fagan testified that with regard to the	;	25		carefully and thoroughly within the context of
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1	alternative methodology proposed by Mr	. Dean,	1		the coming, and I'm sure you're aware of this,
2	he said it's probably not a bad starting		2		there's a cost of service methodology hearing
3	point, and the reference for that is at pag	e	3		coming in 2016, would you think it would be
4	69 on line 19. It's probably not a bad		4		better sense to go easy and study that fully
5	starting point, that was in connection wi		5		then?
6	Mr. Dean's methodology. In your opinio		6		R. HENDERSON:
7	Henderson, is it good regulatory practice		7	A	A. Well, I would suggest that that would be one
8	implement a new methodology that is pr	-	8		of the considerations that the Board will take
9	not a bad starting point when the curre		9)	into account with all the evidence that's been
10	methodology is, from what we've he		10)	provided. I don't know what else I can say
11	consistent with regulatory practice elsewl		11		there.
12	and where none of the witnesses can poir				HNSON, Q.C.:
13	single jurisdiction that actually uses the	,	13		Q. So you're not believing, I take it, that there
14	alternative methodology?		14		would be merit in waiting?
	IR. HENDERSON:				R. HENDERSON:
16	A. I really can't comment on what the prac		16		A. I would think that if there's an issue of
17	is. These types of things are usually dea		17		fairness or appropriateness in the rate design
18	with in a general rate application, so I we		18		and it can be resolved in a general rate
19	have thought that this would be the rig		19		application, it would make sense to resolve it
20	proceeding to deal with it.		20		in a general rate application.
	DHNSON, Q.C.:				HNSON, Q.C.:
22	Q. So you don't have a view as to whether		22		Q. Does it cause you any concern, Mr. Henderson,
23	would constitute good regulatory practic		23		that we've been told that this is going to
24 25	just implement it now when our curre		24		result in a transfer of \$480,000.00 to
25	methodology appears to be consistent	witti	25		Newfoundland Power, this change that Vale is

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1	wishing to have, and we're also told th	nat our 1	1	nature, by definition, that these are to serve
2	practice appears to be consistent with	other 2	2	1 57
3	practices elsewhere in Canada and the		3	, , , , , , , , , , , , , , , , , , ,
4	States, and very few - no real indica			
5	where it's being implemented along the		5 I	MR. HENDERSON:
6	as proposed by Vale, does that cause y	-		
7	for concern about rushing into it here r	10w? 7	7 J	JOHNSON, Q.C.:
	MR. HENDERSON:	8		
9	A. Well, I'd really be repeating myself. I			, , , , , , , , , , , , , , , , , , ,
10	this is an item that would be judged b	-		
11	panel with regards to the merits of it.	11		1 5 8
	JOHNSON, Q.C.:	12		1
13	Q. Mr. Henderson, do you know what do	-		
14	annual O & M on its transmission	•		MR. HENDERSON:
15	represent as a percentage of capital inv			
16	in a transmission system? Do you kn			
17	figure?	17		5
	MR. HENDERSON:	18		5
19	A. No, I'm not familiar with that detail.	19		1 5
	JOHNSON, Q.C.:			JOHNSON, Q.C.:
21	Q. You're not familiar with that detail. Is			
22	a detail that - is that a figure that would			
23	- is that a question that you folks woul			
24 25	yourself from time to time in terms of to get a sense of the ratio between ann			
23	to get a sense of the fatto between ann		,	· · · · · · · · · · · · · · · · · · ·
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$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	M expense, and the capital invested			MR. HENDERSON:
	MR. HENDERSON:	involved 2		
3	A. It's not something that I've been with or done anything with. I would			JOHNSON, Q.C.: Q. Right, and are you able, or is your panel able
4	anything, that might be something			
5 6	rates people may do with resp	-		
7	determining cost of service issues,			
8	not something that I have looked a			
9	of the cost of O & M versus capita			
10	our infrastructure.			
	JOHNSON, Q.C.:	10		
12	Q. And would that same thing go for 1			MR. HENDERSON:
13	and -	13		
	MR. GARDINER:			(12:45 p.m.)
15	A. Yes.			MR. YOUNG:
	JOHNSON, Q.C.:	16		
17	Q. And yourself, Mr. Moore?	17	7	
	MR. MOORE:	18		
19	A. Yes.	19	9	
	MR. GARDINER:	20)	
21	A. That's correct.	21	1	
22	JOHNSON, Q.C.:	22	2	
				6
23	Q. Okay, and Mr. Henderson, 1 take 1	t that it's 23	3	wonder if it's worthwhile to pursue this line
23 24	Q. Okay, and Mr. Henderson, I take i well understood that any equipm			

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1 assigned means that customer pays. Then th	ne	1	and the Vice President of Hydro and the
2 real subject matter here, I think it's fair		2	shareholder. So it's looking up as opposed to
3 for me to say, is in the methodology as to		3	the discussions about looking down. Mr.
4 exactly what years you use to base those,		4	Henderson, what are the types of issues or
5 whether it's nominal dollars or real dollars.	:	5	matters that you are required to go to the CEO
6 I mean, that's the nature of the dispute here.		6	for, for a final approval with respect to
7 I'm not sure I follow the line of questioning	,	7	Hydro?
8 here, and it's taking a fair bit of time.	:	8 MR.	HENDERSON:
9 JOHNSON, Q.C.:	9	9 A.	The types of issues would be around
10 Q. I'll end my questions there. That was my last	t 10	0	significant investments, operating budget,
11 question, in any event, and thank the panel.	1	1	significant changes with regard to operating
12 CHAIRMAN:	12	2	budget, capital budget. Some items that would
13 Q. Okay. I think we're over to you, Madam	1 1.	3	have broad implications to the company with
14 Greene.	14	4	respect to, I'll say, perhaps reputational,
15 GREENE, Q.C.:	1:	5	and those types of issues, items that have a
16 Q. Yes, Mr. Chair, and I'm in the hands of the	1	6	broader implication for the company.
17 panel. It is most unlikely I will finish by	1'	7 GRE	ENE, Q.C.:
18 1:30, so I'm quite willing to start, but I	1	8 Q.	Okay, and how - in those cases such as the
19 doubt that I will finish by - it depends on	19	9	operating budget, how is the direction sought
20 the answers, of course, but I doubt that I	20	0	and received?
21 will finish by 1:30.	2	1 MR.	HENDERSON:
22 CHAIRMAN:	22	2 A.	So with respect to the operating budget, there
23 Q. Why don't we charge ahead and see what	at 23	3	is an approval process that we go through in
24 happens.	24	4	which after I have reviewed the budget, and
25 GREENE, Q.C.:	2:	5	worked through the budget with our finance
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1 Q. Okay.		1	team and everybody else within Hydro with
2 MR. ROBERT HENDERSON		2	budget responsibility, that would be brought
3 MR. DARREN MOORE		3	to Mr. Martin, the CEO, to review and discuss
4 MR. TERRY GARDINER		4	and determine whether there was adjustments to
5 CROSS-EXAMINATION BY GREENE, Q.C.:	:	5	be made or clarity, whatever information Mr.
6 GREENE, Q.C.:		6	Martin may need before he is satisfied that
7 Q. So with that direction, I might lead a little	,	7	it's appropriate, and once we've gone through
8 bit more than I might otherwise. I do have		8	that review process, then we would take that
9 some questions first on the corporate - good		9	budget to the Hydro board for approval before
10 afternoon.		0	it becomes the official budget for the year.
11 MR. GARDINER:			ENE, Q.C.:
12 A. Good afternoon.	12		So with respect to the operating budget, there
13 MR. MOORE:	1.		appears to be a formal process. With respect
14 A. Good afternoon.	14		to other matters, you have mentioned
15 MR. HENDERSON:	1:		significant capital investment, that would
16 A. Good afternoon.	10		also result in the budget, I assume?
17 GREENE, Q.C.:			HENDERSON:
18 Q. The end is in sight for us all for this panel.	1		Yes, there's a capital budget approval process
19 I do have a few questions on the structure, 20 the current metrix, organizational structure	19		which would be very very similar and it just
20 the current matrix organizational structure,	20		has a different time line as to when it goes
21 and we've had a lot of discussion about it.	2		to the Board of Directors, and that type of
22 One area that I did want to ask some question			thing.
23 on is the relationship between the Vice			ENE, Q.C.: What shout loss formal issues other than
President of Hydro and the CEO and the VicPresident of Hydro and the Board of Director		-	What about less formal issues, other than
25 President of Hydro and the Board of Director	rs, 2:	J	budgets?

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1	MR. HENDERSON:		1	А.	Yes, in that particular case, because that
2	A. The less formal issues are - that's more -		2		would be an unusual case, and most of the time
3	it's just a regular discussion that I would		3		it's done strictly by the project execution
4	have with the CEO, that we would talk about		4		technical service, but where this was going
5	those types of things. There isn't a		5		beyond that to involve Lower Churchill folks,
6	structure like a budgeting process around		6	1	then that was - you know, it involved Mr.
7	those. They just may - are items that come up		7		Martin.
8	from time to time.		8	GREE	NE, Q.C.:
9	GREENE, Q.C.:		9	Q.	Is there any guidance given to the types of
10	Q. So it's a less formal process, I take it?		10	ŧ	issues that might arise - you characterized
11	MR. HENDERSON:		11	1	that one as unusual. Is there any guidance
12	A. Yes.		12		given as to when you must seek direction from
13	GREENE, Q.C.:		13	1	the CEO other than the normal accounting ones
14	Q. We've had a lot of discussion around the		14	,	with respect to when there's signing
15	decision to instruct TL-267, and the use of		15	;	authority?
16	staff from Lower Churchill to actually do		16	MR. H	IENDERSON:
17	that, and your evidence related to your		17	Α.	There are no specific items, but I would - you
18	discussions with Mr. MacIsaac, Mr. Martin als	0	18]	know, from my relationship with Mr. Martin, I
19	gave evidence with respect to his role, and I		19		guess, that's become clear as to which are the
20	won't go there again in the interest of time,		20		ones that he needs to be involved with and
21	but it appeared that Mr. Martin was involved		21	,	which ones are not, and most of the day to day
22	in the actual decision of what resources to		22		Hydro things would not involve Mr. Martin, but
23	use on that project, based on his testimony.		23	:	something that may touch on other lines of
24	Would you agree with - can you explain how	,	24	1	business such as that one, TL-267, certainly
25	that arose?		25		would.
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1	MR. HENDERSON:		1	GREE	NE, Q.C.:
2	A. Well, it was - basically we were looking at		2	Q	And what about the outages that occurred in
3	this project and the time line that was		3		January, 2014?
4	required, that it was tightly tied to the		4	MR. H	IENDERSON:
5	Lower Churchill project. As people are		5		So in January, 2014, that had significant
6	probably aware, it's a component related to		6		impact on our customers, and impact on, I'll
7	providing system stability and reliability		7		say, the province, and certainly Mr. Martin
8	when the HVDC connection comes in, so there	;	8		was involved with that right upfront. I know
9	was scheduling and, I guess, elements to that		9		just - discussions around the situation would
10	that the two had to work together. So we		10		have begun fairly early once we started to
11	would have discussed that, myself, Mr.		11		have generation supply issues, that in around
12	MacIsaac, Mr. Martin, and I would say that Mr		12		Christmas time in 2013, I would have been in
13	Humphries may have been involved with it, an		13		discussion with Mr. Martin, and generally
14	we would have talked about how that could be		14		speaking, anything that has a - if there's a
15	done, and looking at what was the project		15		major system reliability risk, I would be
16	execution technical service people had on		16		informing Mr. Martin.
17	their plates, and it appeared that this was a				NE, Q.C.:
18	good opportunity to be able to utilize that to		18		This morning you were asked a question with
19	be the most effective in executing the		19		respect to who would be accountable for the
20	project.		20		asset management performance for Hydro, and
	GREENE, Q.C.:		21		your response was that you would be, but can
22	Q. So in that particular case, the CEO was		22		you put that in the context of your
23	involved in the decision making with respect		23		relationship at Hydro with the CEO and the
24	to the use of resources for a certain project?		24		Board?
25	MR. HENDERSON:		25	MK. H	IENDERSON:

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1 A. For asset management?	1	him regardless.
2 GREENE, Q.C.:	2	GREENE, Q.C.:
3 Q. Yes.	3	Q. You've described yourself as the single point
4 MR. HENDERSON:	4	of accountability for Hydro, all Hydro
5 A. So I report to the Board and to Mr. Mar	rtin our 5	regulated operations. Does that include with
6 performance, our asset performance. I	also 6	respect to this general rate application and
7 report on our capital program execution	on, our 7	strategic policy decisions that were made in
8 maintenance program execution, all el	lements 8	the application?
9 that are involved with operating the p	ower 9	MR. HENDERSON:
10 system are reported to the Board and t		A. I was involved with the discussions on all of
11 Martin. Mr. Martin would be getting	-	those, and, yes - the answer is yes to the
12 monthly through - generally through the		1
13 leadership team, a report on what's hap		GREENE, Q.C.:
14 at Hydro in all regards, and then the Bo		
15 Directors meetings are not as frequent		MR. HENDERSON:
16 monthly, and they would also get the l		,
17 information with regard to those areas.	17	consultation with Mr. Martin on most
18 GREENE, Q.C.:	18	e
19 Q. But in terms of accountability overall		GREENE, Q.C.:
20 performance at Hydro, it would be the c		
21 the Board of Directors, and you're acco		and have to approve the final positions being
22 to them, was that the context of your an		put forward for the GRA?
23 MR. HENDERSON:		MR. HENDERSON:
A. Yes, that's right. I mean, I'm accountab		A. Not all issues, but if they were - I'll say
25 the CEO, but I do attend the Hydro B		
1 montines and monort	Page 194	Page 196
1 meetings and report.	1	and informed on.
2 GREENE, Q.C.:		GREENE, Q.C.:
 3 Q. And I was going to ask that question. S 4 attend every Hydro Board meeting? 	-	
5 MR. HENDERSON:	4 5	
 6 A. I may not get to every one, but genera. 7 do. 		
8 GREENE, Q.C.:		MR. HENDERSON:
9 Q. And are you ex officio member or are y		
10 on invitation?		
11 MR. HENDERSON:		GREENE, Q.C.:
12 A. I would be there on invitation.	11	Q. And as you've already testified, you're not
13 GREENE, Q.C.:	13	• • •
14 Q. So with respect to what is required to		
15 moved up at CEO for final approval, oth		
16 the formal ones for the budget and ca		
17 investments, I take it that it is based o	-	MR. HENDERSON:
18 your judgment as to what needs his app		A. There's been nothing brought to my attention
19 MR. HENDERSON:	19	to say we would. All that was brought to my
20 A. Well, let's say it's a combined judgr		attention was that the approach had merits and
21 because Mr. Martin - when I moved in	into the 21	worthy of further discussion.
role, you know, I understand the areas	where 22	GREENE, Q.C.:
23 he has strongest interest and wants to	be 23	Q. Mr. Gardiner, you've testified that you were
24 involved, and areas that he doesn't, a		1 5 5 5
25 others where I'm not sure, I'll probably	go to 25	transferred to Nalcor in 2011, is that

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1 correct?	1 GREENE, Q	.C.:
2 MR. GARDINER:	2 Q. And	who do you submit that time sheet to?
3 A. 2012.	3 MR. GARDI	INER:
4 GREENE, Q.C.:	4 A. Norm	nally to Mr. MacIsaac.
5 Q. 2012. Prior to your transfer, what pe		•
6 of your time was spent for Hydro 1	ousiness 6 Q. Mr. H	Henderson, you testified yesterday that
7 versus non-Hydro business?		pervisors are responsible for reviewing
8 MR. GARDINER:		mount of time charged to a work order
9 A. I would say - so from Hydro versus r		nay involve time that gets back charged
10 GREENE, Q.C.:	10 to Hy	dro. Do you look at the time that Nalcor
11 Q. Uh-hm.	11 mana	gers spend on Hydro work, such as Mr.
12 MR. GARDINER:		iner, to review whether their time charge
13 A. Probably 20 percent maybe, subject		propriate?
14 of course.	14 (1:00 p.m.	-
15 GREENE, Q.C.:	15 MR. HENDE	ERSON:
16 Q. And when you say 20 percent, you	1 mean 20 16 A. No, I	don't receive the time sheets. I would
17 percent non-Hydro?		be alerted if there was something very
18 MR. GARDINER:	-	al happening.
A. Yes, between, say, 15 and 20 percent		
20 GREENE, Q.C.:		ith respect to the reasonableness of the
21 Q. So 15 to 20 percent?		charged in Mr. Gardiner's example, that
22 MR. GARDINER:		d be signed off on by Mr. MacIsaac, a
A. Yes, that's what I'm thinking. That		or employee, is that correct?
to do - yeah, that would be around, 1		
25 issues and things like that.	25 A. That	would be right.
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1 GREENE, Q.C.:	1 GREENE, Q	.C.:
2 Q. So you were primarily -	2 Q. And y	would that be the same situation with the
3 MR. GARDINER:	3 other	managers in the same role as Mr.
4 A. Engaged in Hydro work, yes.	4 Gardi	iner, a Nalcor manager reporting to a
5 GREENE, Q.C.:		or manager?
6 Q. Right, and in 2014, what percentage of	your 6 MR. HENDE	ERSON:
7 time would have been Hydro work?	7 A. Yes.	
8 MR. GARDINER:	8 GREENE, Q	.C.:
9 A. 70 percent.		ven a Nalcor employee reporting to a
10 GREENE, Q.C.:	10 Nalco	or manager who does work for Hydro?
11 Q. So there hasn't been a significant change		
12 there?	12 A. That'	s correct.
13 MR. GARDINER:	13 GREENE, Q	.C.:
14 A. No. My function as an Engineering Mar	nager and 14 Q. I thin	nk here we do need to go to the
15 Project Support, a lot of my time is spent		cript. It's the transcript of September
16 Hydro supporting Hydro activities.		page 16. Page 16, lines 14 to 19, and
17 GREENE, Q.C.:		vas touched on a little bit this morning
18 Q. How do you record your time, the 70 per		Ir. Coxworthy. The question was the
19 your time that you do for Hydro?		dment of people from Hydro to the Lower
20 MR. GARDINER:	20 Churc	chill Development Corporation, and the
21 A. I complete a weekly time sheet. I track v	what 21 quest	ion was from Mr. Johnson, "to estimate
 A. I complete a weekly time sheet. I track w I do mostly online. Previous to that, it w 	what 21 quest as 22 the n	umbers", and Mr. Gardiner answered,
 A. I complete a weekly time sheet. I track v I do mostly online. Previous to that, it w paper, but now every week, I submit a 	what21questras22the ntime23startin	numbers", and Mr. Gardiner answered, ng at line 14, "There's approximately 15
 A. I complete a weekly time sheet. I track v I do mostly online. Previous to that, it w 	what21questvas22the ntime23startinnit a24engin	umbers", and Mr. Gardiner answered,

Page 203 engineering
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g those people
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forward basis
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nelp us, Mr.
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1	come up in the hearing is that ha	is the 1	1	Q. All right, I will ask Hydro for an undertaking
2	specialized skills required for the reg	gulated 2	2	if they could provide information with respect
3	operations been taken out of the re	egulated 3	3	to the people who have left Hydro to go to the
4	operations and go to this Muskra	t Falls 4	4	Lower Churchill project, either being seconded
5	project and was that a considered de	cision and 5	5	directly or those who took another position at
6	how those skillsets were filled behi	ind, so 6	6	the time, because I understand that Mr.
7	that's the reason I'm asking the ques	stions and 7	7	Henderson doesn't have the information at this
8	what I'm looking for would be som	e level of 8	8	fingertips.
9	concrete information as to the sp	pecific 9	9 N	MR. HENDERSON:
10	skillsets that left Hydro that went to	Dower 10	0	A. No, and the other thing I would like to say is
11	Churchill. And then my next question	on would be 11	1	that, you know, any vacancy that occurred was
12	those resources, what were they d	loing at 12	2	filled with qualified people, so there is, you
13	Hydro? I'm sure they weren't sittin	g on their 13	3	know, that process was ensuring that we had
14	thumbs, and then how were those	skillsets 14	4	the right qualified people to carry on the
15	filled, so the Board can make an ass	essment as 15	5	work in the area where these people may have
16	from the regulated operations' persp		6	left and most of them were in the project
17	there been any impact on the reg	-	7	execution technical services area. I'm right
18	structure from that particular project		8	now drawing a blank as to anybody from
19	example of the Nalcor organiz	ational 19	9	operations that went in.
20	structure. So just to put it in cont		0 0	GREEN, Q.C.:
21	because I saw Mr. Young looking q	-	1	Q. I think it's best if we have the information
22	as though Iwhy was I asking the qu	uestion. 22	2	first because when you look at the numbers
	MR. YOUNG:	23		with the change and the complement, we also
24	Q. It was the level of detail I didn't thin		4	see the Hydro complement going down
25	Henderson had his fingertips and th	at was my 25	5	significantly over the period of time that
		Page 206		Page 208
1	concern, but anyway.	1	1	Lower Churchill wasstaff were ramping up, so
2	MR. HENDERSON:	2	2	it's a question, I think it's best if we have
3	A. But what I would say is this is high le		3	the information, so I would ask Hydro if they
4	without any detailed numbers, but there		4	could at least review and see what information
5	that many that would have been moved			they can provide with respect to this issue.
6	Just knowing the people that are involv		6 N	MR. YOUNG:
7	think most of them were people who, th			Q. Just to be clear, if I could, Ms. Green, is
8	job postings and they applied and they	-		the questionbecause it arose out of
9	have come from outside the company of		-	transmission and engineering people and I'm
10	have come from inside. I know there's			not sure whether the question is limited to
11	people who took jobs on the project and			that or if it's everything because this could
12	subsequently took jobs back because the	•		include clerical people, totally unrelated.
13	whatever personal reasons, decided	-		GREEN, Q.C.:
14	weren't going to stay there. There's all			Q. And I guess part of the problem was we heard
15	those things and so there's been a lot of	-		this morning three people from engineering,
16	postings that would enable people to,	-		previous testimony was it was 15, so -
17	know, look at the opportunity and take,			MR. YOUNG:
18	think most of the folks who are over the			Q. Well it was three going in one direction and
19	younger people. There's a lot of you	-		15 integrated back, as I read the transcript.
20	people, certainly younger than me, but			GREEN, Q.C.: O Yes and that's what I was trying to clarify
21 22	may have been within the first ten year their career and are over involved with			Q. Yes, and that's what I was trying to clarify. MR. GARDINER:
22	and a lot of the more senior people remain			A. And I was talking, just for clarity, in my
23 24	you know, and continue to remain in Hy			shop, when I was there, when Lower Churchill,
	GREEN, Q.C.:	24 25		I know there were three people specifically
25	UNLEN, Q.C	23	5	T Know there were three people spectrically

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1	that I mentioned and there was another	one 1 MR. GRAY:	
2	that was a junior person, so I was tall	g 2 Q. I'm sorry, Ms. Green, can you say	y that again?
3	specifically and I know that the list that	3 GREEN, Q.C.:	
4	talked about for 15 was there's a possil	15 4 Q. It was a question from NP, sorry, N	NP NLH-092.
5	to be reintegrated back.	5 MS. GRAY:	
6 GRI	EEN, Q.C.:	6 Q. Thank you.	
7 (Q. And when you read the transcript, as I	-	
8	fairness and maybe I should have do		-
9	prior, rather than save time, it wasn't c		•
10	as to whether they had left or whether		
11	had come back because it was in con	1 0	•
12	this issue. So I would like an undertak		
13	if possible, at least for Hydro to revi		•••
14	whether they can advise the Board the		•
15	of positions that were, I'll start with	15 wording, it does talk about how	
16	seconded from Hydro and you're sayi	-	•
17	there weren't too many seconded, I gat		
18	actually applied for positions and aga		
19	don't know the level of difficulty in	-	
20	getting this information from your reco	-	•
	YOUNG:	21 wonder, again I'm asking Hyd	
	2. Just to be clear that's regardless of the		-
23	in which a project they wereif they		-
24 25. CDI	from Hydro and went to the project?	that were shown in your appliposition, so that there will be	•
23 UKI	EEN, Q.C.:	^	
1 (Var	Page 210	Page 212
). Yes.	1 indication of the areas in which	
	. YOUNG: Okay Wa can look to see if we can de	2 resources were added because 78	-
	 Okay. We can look to see if we can do GLYNN: 		- 11
). And we will note it on the record.	4 MR. HENDERSON: 5 A. We can do that.	
	EEN, Q.C.:	6 MR. YOUNG:	
	(). Thank you. So as I said, we may have		
8	back to that when we see the information	-	
	. GARDINER:	9 Q. Noted on the record.	
	A. I am sorry about the confusion.	10 GREEN, Q.C.:	
	EEN, Q.C.:	11 Q. The last question with respect to t	he issue of
	2. But that's the reason for the questions		
13	this. Also with respect to resources, pe		•
14	if we could go through the applicat		
15	Hydro's application at page 2.33. If		
16	scroll down the page, it's actually 7, lin	-	
17	We're talking about the salary budget l		
18	changes in FTEs and we see at line, sta		
19	at line 7, an increase of 44 FTEs in 2014	-	
20	2007 and then when we go down to t		
21	paragraph, we see for 2015, there is		the existing
22	increase of, in 2015 over 2007 of 78 FI	. So 22 combustion turbines, not Stephe	enville and
23	that's an increase in two years of	23 Hardwoods. If you look at the tra	
			r 1 9.1
24	positions and now I wonder if we coul	go to 24 September 27th at page 130 and 2	l don't know

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1 Mr. Henderson, you advised or		GREEN, Q.C.:
2 important the CTs are until the M		
3 infeed, do you recall that discuss		
4 MR. HENDERSON:	4	
5 A. Yes.	5	
6 GREEN, Q.C.:	6	5 MR. HENDERSON:
7 Q. And one of the reasons you pu		
8 manager with specific responsibi		
9 gas -	9	
10 MR. HENDERSON:	10	
11 A. That's right.	11	
12 (1:15 p.m.)	12	
13 GREEN, Q.C.:	12	
14 Q. In the Generation Planning Rep		-
15 filed with PR, the prudence review		*
	•	
^ -	-	GREEN, Q.C.:
19 includes the hardwoods gas turbi		
20 generation planning purposes to		
21 to meet load until 2025, do you i		MR. HENDERSON:
22 Mr. Henderson?	22	
23 MR. HENDERSON:	23	
A. That sounds right.	24	
25 GREEN, Q.C.:	25	whether it was 2016 or '17 that commitment was
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1 Q. So subject to check -	1	made, but it's certainly before, well in
2 MR. HENDERSON:	2	advance of the interconnection so we can make
3 A. Sure.	3	a determination of the things we should be
4 GREEN, Q.C.:	4	planning for.
5 Q. And with respect to Stephenville	, Stephenville 5	5 GREEN, Q.C.:
6 is in the generation expansion	plan to be 6	Q. Okay. So if we look at information item No.
7 available for planning purposes	until 2028, 7	9, are you familiar with this report, Mr.
8 does that sound right to you?	8	B Henderson?
9 MR. HENDERSON:	9	MR. HENDERSON:
10 A. It does.	10	A. Yes.
11 GREEN, Q.C.:	11	GREEN, Q.C.:
12 Q. Now I'd like to go to informatio		
13 in this proceeding. So you woul		
14 the combustion turbines contir	e	*
15 significant assets for Hydro, even		
interconnection with Muskrat Fa	•	
17 correct? Is that how I am to under		
18 November 2012 planning report		
19 MR. HENDERSON:	10	
20 A. They are basically being mainta		
that period in time, the work that		
22 doing through the capital invest		· · · ·
a ongoing capital investment woul		3 MR. HENDERSON:
	-	
· · ·		
25 point in time.	25	5 GREEN, Q.C.:

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1	Q. The sensitivity planning assumption, can you	1	1	years, 2008 - 2012. So, it's a five year
2	explain what that is?	2	2	historic average, as I understood it from your
3	MR. HENDERSON:	3	3	document.
4	A. In order to determine, I guess, how sensitive	4	4 MR	R. HENDERSON:
5	our needs are with regard to performance of	5	5 4	A. Right, but my only reason for saying that it
6	these units, we'vefirst of all, on a base	6	5	was a choice of 2008 - 12. It isn't like the
7	case situation we would apply those base	7	7	most recent five year average. I just wanted
8	planning assumptions on the reliability of the	8	3	to point that difference. It was from a point
9	units. And then we would do a second run, if	9	Ð	in time that that number was picked.
10	you like, or modelling of the power system if	10		EEN, Q.C.:
11	the performance of those units are at that	11	1 (Q. And you're counting the most recent year which
12	higher level. So that if the Holyrood plant	12	2	ended June 30 with the previous year's
13	was 11.64 forced outage rate and the Hardwoods	13		performance.
14	and Stephenville gas turbines were 20.62 on a			R. HENDERSON:
15	UFOP and the Holyrood combustion turbine was	15		A. Yes.
16	at 10. You would run that to see if that, if			EEN, Q.C.:
17	we get to that sensitivity level, whether that	17		Q. Okay. And in looking at the report, I would
18	would drive a need for generation. And if it	18		like to ask you your level of comfort that
19	hit that sensitivity area, then that would	19		these two gas turbines, given their
20	cause us towith those sensitivities, the	20		performance in the last two years in
21	results indicated that we were not going to	21		particular, and given the increasing age and
22	meet the criteria, in particular with this	22		level of comfort or reassurance that you can
23	would be the 2.8 hours per year LOLH. Then we	23		give to the Board that these units, at least
24 25	would be looking at what actions we should be taking to perhaps add additional generation or	24 25		for now, are being planned to be in existence for 2025 and 2028?
-	Page 218	-		Page 220
1	other actions that we might taken in order to		I GR	EEN, Q.C.:
2	bring the reliability level down below the 2.8	2	2 (Q. Well, I guess first of all, we've put in the
3	hour target.	3	3	position that Ms. Green mentioned, the general
4	GREEN, Q.C.:	4	4	manager responsible for the gas turbines,
5	Q. And if we look just at the gas turbines for a	5	5	along with engineering support and specialist
6	moment, we see that their performance in the	6	5	support to address the needs of these units to
7	12 month period ending June 30, 2015 is not	7	7	ensure their ongoing reliability. So, there's
8	consistent with its performance the year	8	3	been a large amount of work done in the last
9	before. In fact, it's doubled and nor	9	Ð	year in addressing critical spares, repeat
10	similarly it's more than two times what the	10)	failures that we've had. Identifying the
11	five year average was, is that correct?	11	l	problems that we've experienced with these
12	MR. HENDERSON:	12	2	units to make sure that we're addressing them
13	A. The base planning assumption, I'm not sure if	13		appropriately, in both our maintenance program
14	that's a five year average, but that's an	14		and in our capital program. And so there's
15	assumption that's been used, but it may have	15		been a number of enhancements made there in
16	been generated from a five year average from	16		the spares, in the completion of maintenance
17	some time in the past.	17		and also with regard to both of those unites,
	GREEN, Q.C.:	18		they both have had significant capital
19	Q. And it does say when it goes down to explain	19		investment in the last while. And
20	base planning assumptions the way I understood	20		Stephenville gas turbines currently in that
21	it, it was a five year average. If you look	21		capital refurbishment stage and it's in a three year program which I think 2016 is the
22 23	hereyou just had it, Ms. Gray and you sent up againbase planning assumptions are	22 23		three year program which I think 2016 is the last year of that three year period of
23 24	indicators used. It's a historic average of	23 24		refurbishment for it. The Hardwoods unit has
24 25	the actual performance of the unit over five	24		had that refurbishment. And so all of those
L ² J	are actual performance of the unit over five	125	,	nue that representations and the so all of allose

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1	efforts are going to make a differenc	the in the 1		not available today because we're doing work
2	experience, performance that we've	had with 2		on the electrical interconnection
3	those in the last few years. And	we've 3		infrastructure there at the Hardwoods station,
4	specifically addressed the specific	issues 4		but the unit itself, the turbine itself, those
5	that we've had with those to indeed	l address 5		are available once that electrical connection
6	those particular problems. In the last	st year 6		work is completed. There's two engines in
7		-		each plant. At Hardwoods we have one of the
8	the fuel lines that were put in place a	as part 8		engines right now is out for overhaul and this
9		_		was just approved by the Board last week to
10	There were new fuel lines brought ir	n and those 10		proceed with that overhaul and that unit is
11	fuel lines did not prove adequate.	And so 11		now on its way to Scotland for an overhaul.
12				And it will be back beforeagain around the,
13		•		I think it's around the 20th of November we
14				expect to have it back, but we do have a
15	·· · · · · · · · · · · · · · ·			loaner turbine that we have borrowed and are
16				paying for so we have that capability in the
17				Hardwoods unit. So, it's a 19 megawatt
18	*			turbine as opposed to the 25 megawatt turbine
19				that we normally have in place. So, we do
20				have de-rating on that plant while that one is
21	we've addressed and dealt with. S			there, but we'll retain that turbine in place
22		-		until the refurbished one comes back. That
23		•		particular turbine was damaged in a fire that
24				we had related to a part of the fuel system on
25				Hardwoods, I'm not recalling the exact
		Page 222		Page 224
1	addressed. So, it's both the fuel line	-		element, but that happened back on May 1st and
2				that has been basically corrected and we've
3				looked into the issue there in terms of
4		-		finding the problem and we've corrected the
5				problem with that particularagain, it was a
6				valve in the fuel system.
7			GRE	EN, Q.C.:
8				. So I take it from your answer that the litany
9			×	of woes that Hydro has experienced with these
10	- 			gas turbines and it is quite a litany of woes
11	that we've had and we'll continue			over the past two years are all behind us?
12				Murphy's law is done with respect to the gas
13				turbines?
14			MR.	HENDERSON:
15				I guess there's no sure things certainly, so
16		16 II		there's no guarantees, but what I can assure
	GREEN, Q.C.:	17		you is there's been a large amount of work
18				done on these units. The general manager has
19		10 10 10 10 10 10 10 10 10 10 10 10 10 1		been very, very relentless in making sure that
1	MR. HENDERSON:	20		everything is done and done right, very, very
21	A. The Stephenville gas turbine right no			committed employee that we've put on this and
22				so I'm confident that the work that she's
22				doing is going to make a difference.
23			СНА	IRMAN:
25				. You forgot O'Brien's law.
Ľ	The fundation for the fundation of the f		<u>ب</u>	

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1 GREEN, Q.C.:	1	A. I'm aware that those meetings are happening.
2 Q. Oh, I'm not familiar with that one, you'll	2	I wasn't aware that they were that regular,
3 have to explain -	3	but I know that there have beenthere's
4 CHAIRMAN:	4	4 ongoing updates in terms of some of the work
5 Q. Murphy was an optimist.	5	5 that would be going on with respect to the
6 GREEN, Q.C.:	6	5 integration. This would be the areas where
7 Q. I should have used O'Brien then with respect	7	7 the, sort of the rates aspect of that.
8 to the gas turbines. I have to finish one	8	8 GREEN, Q.C.:
9 topic which was back to the organizational	9	Q. And the purpose of the meetings, do you know
10 structure. Your interaction with the	10	what the purpose of the meetings is? Do they
shareholder with government, you're the vice-	11	report back to you, for example?
12 president responsible for Hydro, can youand	12	2 MR. HENDERSON:
13 I should ask the Chair, it's now 1:30.	13	A. The purpose of the meetings is to keep the
14 CHAIRMAN:	14	government informed, those activities that are
15 Q. Well I guess it's a gooddo you want to	15	5 related to the ongoing planning and
16 finish this question or is this -	16	integration work because with the change in
17 GREEN, Q.C.:	17	7 the power system with the interconnection,
18 Q. Yes, I should have asked ahead, I'm sorry. We	2 18	it's going to significantly change the way the
19 could finish this area of the structure	19	power system operates and the way that the
20 probably.	20	company will interact externally and so
21 CHAIRMAN:	21	there's items that the provincial government
22 Q. Sure.	22	2 needs to say informed with, because they are
23 (1:30 p.m.)	23	
24 GREEN, Q.C.:	24	4 what it may mean that they might have to
25 Q. How you interact with the shareholder, the	25	
Page	e 226	Page 22
1 government, with respect to Hydro matters?	1	
2 MR. HENDERSON:	2	
3 A. With respect to Hydro matters I don't have a	3	
4 lot of interaction with the provincial	4	
5 government, it's on a more of an exceptional	5	
6 basis, for instance when we had the major	6	
7 outages, I went over and I spoke to the deputy	7	с ,
8 minister of Natural Resources and talked about		
9 what was involved with that. We went over		9 GREEN, Q.C.:
10 jointly with Newfoundland Power. There was		
11 other items of that nature that they may	11	
12 inquire about that I would be involved with	12	
13 where a minister may get inquiries about	12	
14 something, they would put the question over to		
15 us and we would provide some clarity on those		5 MR. HENDERSON:
16 types of things. That would bemost of my	16	
involvement would be that type of interaction.		7 GREEN, Q.C.:
18 GREEN, Q.C.:	18	
19 Q. We heard evidence from Mr. Fagan yesterda		
20 that there are regular meetings with	20	
21 government on a very regular basis that he		CHAIRMAN:
attends when rates are discussed and that an	22	
individual from shareholder relations attends.	22	-
Are you familiar with those meetings?	23	
25 MR. HENDERSON:		5 GREEN, Q.C.:
25 MIN. HEINDENDUN.	23	JUNLEN, Q.C

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	Ι	Page 229		Page 231
1	Q. I'm going to the area of asset manageme	0	1	knowledge do they take minutes or record the
2	reliability.		2	decisions of the analysis of the risk of the
3	VICE-CHAIR WHALEN:		3	assessment when they agree to defer
4	Q. 10 minutes.		4	maintenance, preventative maintenance?
5	CHAIRMAN:		5 1	MR. HENDERSON:
6	Q. I was told you got 10 minutes.		6	A. What I would say is that what the expectation
7	GREEN, Q.C.:		7	is, is for them to document it in a form which
8	Q. To finish up or just available now?		8	would explain why the change is being
9	CHAIRMAN:		9	proposed, what the risks are associated with
10	Q. Well you can take it up with the Vice-	1	10	the proposed change, so that there is a
11	Chairman, not with me.	1	11	written record of that decision. That wasn't
I .	GREEN, Q.C.:	1	12	being done. Before it was done on the basis,
13	Q. Well let's see, we'll have a go, I'll talk	1	13	as I explained with these people getting
14	faster. I found out earlier, though, that		14	together and making the decision and then
15	that didn't help when I tried to short-cut.		15	going ahead and executing that, but what we've
16	In your previous evidence, Mr. Henderson,		16	been looking for now is getting a document
17	did talk about asset, the preventative	-	17	with those changes so that there is a record
18	maintenance and the corrective maintenance		18	of the changes. And, you know, this goes back
19	the role of your asset managers and your w		19	to we are now tracking on a weekly basis how
20	execution people. I wonder if we could go		20	well things are going with respect to the
21	the transcript of September 23rd, please. A		21	maintenance and getting it, following in
22	page 47, first you acknowledge in response		22	accordance with the plan. We also and through
23	a question from Mr. O'Brien that there are		23	the chief operating officer in his role, is he
24	existing guidelines for the asset managers a		24	is working with them to ensure good
25	the execution people to use in making a		25	documentation of any changes, so that on a go-
		Page 230		Page 232
1	decision as to whether something should	-	1	forward basis, it's documented and a proper
2	deferred or not. That's at lines 21 to 24, is		2	risk assessment is done, the risks are
3	thatthen the next discussion, I'd like to		3	identified and understood.
4	take you to page 58, and there were som			GREEN, Q.C.:
5	questions to you and there was back and fo		5	Q. So it wasn't clear from the transcript I took
6			6	you through that this is a new requirement, so
7			7	at the time we had thebefore the outages in
8	people who know the equipment, they know		8	2014, was there any writtenI understood from
9			9	your answer just then there was no written
10			10	record of this decision-making process by the
11	58, lines 12 to 19, you were asked, the		11	asset manager in the plan or in deferring?
12	question was why there wouldn't be guidel			MR. HENDERSON:
13	and you explained that they're familiar with		12 1	A. No, it would just be the results would have
14			14	been put into the maintenance management
15	they would be expected to make the decis		15	system, the results of it, and that would be
16			16	it. There was no meetingthe meetings were
17			17	held, but not documented.
18				GREEN, Q.C.:
19	analysis and assessment of the risks involve		19 19	Q. Okay. And you've mentioned there is a
20	-		20	template now for them to record their
20	the context of other work that was require		20 21	assessment?
21	and to make an informed decision. My que			MR. HENDERSON:
22	is, with respect to the analysis that you		22 I 23	A. There is, the chief operating officer, Mr.
23 24	expect your managers to do, because you		23 24	Crosbie, is working with us, so right now
24			24 25	those types ofanything, those kinds of
L^{2}	pinasea n in terms of an expectation, to you	AI 2		Base 220 Base 222

Page 233 Page 233 1 decisions now would be documented in a form 1 MR. GARDINER: 3 the impacts and risks. 2 A. The managers, themselves, who are accountable 3 the impacts and risks. 2 A. The managers, themselves, who are accountable 4 GREEN, Q.C: 4. MR. HENDERSON: 7 A. Well I'm not sure, I haven't seen the form 5 A. Just the, there's no changes happening without 6 maintenance, hut 'm going to ask Daren, he 5 MR. HENDERSON: 10 maintenance, hut 'm going to ask Daren, he 3 GCREEN, Q.C: 11 maintenance, hut 'm going to ask Daren, he 10 Q. And I get that, 'm just wondering is the form 12 stark ould be one of the people 11 acculaty out there for use and I'm still now 12 stark would be cone of the people 14 readily available? 13 MR. HUNDENS 16 A. They are required to use it. 17 development, I'll say the form is draft right 17 GREEN, Q.C. 14 na annalawork plan items, is that correct? 16 <th>October 8, 2015</th> <th>Multi-Pa</th> <th>ageTM NL Hydro</th> <th>GRA</th>	October 8, 2015	Multi-Pa	age TM NL Hydro	GRA	
2 A The managers, themselves, who are accountable 3 the impacts and risks. 3 for the asset are aware of the form. 4 GREEN, Q.C.: 4 MR. HENDERSON: 7 A. Well T'm not sure, I haven't seen the form 7 M.R. HENDERSON: 8 because there hasn't been any brought forward 8 A. Right. 9 maintenance, but I'm going to ask Darren, he 10 0. And I get that, I'm just wondering is the form 10 maintenance, but I'm going to ask Darren, he 10 0. And I get that, I'm just wondering is the form 12 that would be right on the frontline in terms 13 to be required to use it and is it out and 14 can just explain where we are with that. 14 readily available? 15 A. Yes, Mat's correct, there is a form under 16 A. They are required to use it. 16 A. Yes, Mat's correct, there was not have wet the 21 10 10 6defrand 1 understool 21 inplace which are all the managers throughout 13 a y any issues 6 0. And we was asset owner's technical council 13 but we have an asset owner's technical council 11 A Chey are equirement,		Page 233	Pag	ge 235	
3 for the asset are aware of the form. 4 GREEN, Q.C. 5 Q. So a form has been developed and it is in use? 6 MR. HENDERSON: 7 A. Well Tm not sure. I haven't seen the form 8 because there hasn't been any brought forward 9 A. Well Tm not sure. I haven't seen the form 10 maintenance, but I'm going to ask Darren, he 11 maintenance, but I'm going to ask Darren, he 12 that would be right on the frontline in terms 13 of assuring that's documented, so maybe you 14 readily available? 15 MR. HONDERSON: 16 A. Yes, that's correct, there is a form under 16 A. Yes, that's correct, there is a form under 17 development, I'l asy the form is fardt right 18 now, but would be uilized if, like I say. 19 there is no change on the annual work plan 21 the dimetr ready data or before year end to 22 insure we recover. So as it stands right now. 23 there is no change on the annual work plan 1 the winter ready	1 decisions now would be documented in	a form 1 M	MR. GARDINER:	-	
3 for the asset are aware of the form. 4 GREEN, Q.C. 5 Q. So a form has been developed and it is in use? 6 MR. HENDERSON: 7 A. Well Tm not sure. I haven't seen the form 8 because there hasn't been any brought forward 9 A. Well Tm not sure. I haven't seen the form 10 maintenance, but I'm going to ask Darren, he 11 maintenance, but I'm going to ask Darren, he 12 that would be right on the frontline in terms 13 of assuring that's documented, so maybe you 14 readily available? 15 MR. HONDERSON: 16 A. Yes, that's correct, there is a form under 16 A. Yes, that's correct, there is a form under 17 development, I'l asy the form is fardt right 18 now, but would be uilized if, like I say. 19 there is no change on the annual work plan 21 the dimetr ready data or before year end to 22 insure we recover. So as it stands right now. 23 there is no change on the annual work plan 1 the winter ready	2 that would ask the right questions in term	ns of 2	A. The managers, themselves, who are accountal	.ble	
1 GREPS, Q.C. 3 Well Tm not sure, I haven't seen the form 4 UR, HENDERSON: 7 A. Well Tm not sure, I haven't seen the form 5 A. Just the, there's no changes happening without 9 to me at this point, in terms of deferring 5 A. Just the, there's no changes happening without 9 to me at this point, in terms of deferring 6 (R. HENDERSON: 10 might-because he would be one of the people 10 Q. And I get that, I'm just wondering is the form 11 defendence 9 (GREEN, Q.C.: 12 development, I'll say the form is draft right 10 development, I'll say the form is draft right 13 may new would be wellized if, like I say, 10 development, I'll say the form is draft right 14 mere is no, we've been tracking our 10 deferral 1 understood from your previous 12 may received to use it. 17 development, I'll say the form is draft right 12 may receiver on a weekly basis and identifying 10 deferral 1 understood from your previous 12 may receiver on a weekly basis and identifying 10 deferral 1 understood from your previous 13 my researce we may ont have met the 2 plan for a particular week, but would 14 there is no change on the annual work plan 10 defer and I understood from your previous 14 there is no change on the annual work plan 2 of annual work plan items, is that correet? 1			-		
6 MR_HENDERSON: 6 the managers knowing. 7 A. Well 1 m not sure. I haven't seen the form 6 the managers knowing. 7 M. GARDINER: 7 MR. GARDINER: 9 maintenance, but 1 mgoing to ask Darren, he 0 0.0 And 1 get that. 1 m just wondering is the form 11 might-because he would be one of the people 10 0. And 1 get that. 1 m just wondering is the form 12 that would be right on the frontline in terms 11 actually out there for use and 1'm still now 12 sure. They 're aware of it, but are they going 15 NR. HOREN 16 A. Yes, that's correct, there is a form under 14 readily available? 17 development, 1'l say the form is draft right 14 readily available? 18 now, but would be utilized if, like I say, 19 was no record kept for detecision 20 maintenance on a weekly basis and identifying 20 maintenance, evection for your previous 21 there is no change on the annual work plan 10 0 Alay, now prior to the outages in 2014, there 22 there is no change on the annual work plan 21 22	-	4 N	MR. HENDERSON:		
6 MR_HENDERSON: 6 the managers knowing. 7 A. Well 1 m not sure. I haven't seen the form 6 the managers knowing. 7 M. GARDINER: 7 MR. GARDINER: 9 maintenance, but 1 mgoing to ask Darren, he 0 0.0 And 1 get that. 1 m just wondering is the form 11 might-because he would be one of the people 10 0. And 1 get that. 1 m just wondering is the form 12 that would be right on the frontline in terms 11 actually out there for use and 1'm still now 12 sure. They 're aware of it, but are they going 15 NR. HOREN 16 A. Yes, that's correct, there is a form under 14 readily available? 17 development, 1'l say the form is draft right 14 readily available? 18 now, but would be utilized if, like I say, 19 was no record kept for detecision 20 maintenance on a weekly basis and identifying 20 maintenance, evection for your previous 21 there is no change on the annual work plan 10 0 Alay, now prior to the outages in 2014, there 22 there is no change on the annual work plan 21 22	5 Q. So a form has been developed and it is in	use? 5	A. Just the, there's no changes happening without	ut	
8 because there hasn't been any brought forward 9 8 A. Right. 9 9 or an at this point, in terms of deferring 10 GREEN, Q.C.: 10 Q. And I get that, I'm just wondering is the form 11 11 might-because he would be one of the people 12 that would be right on the frontline in terms 13 Io P. ARIEN, Q.C.: 10 Q. And I get that, I'm just wondering is the form 14 12 that would be right on the frontline in terms 13 of assuring that's documented, so maybe you 14 readily available? 13 that would be right on the frontline in terms 15 MR. HODERSON: 15 MR. HENDERSON: 14 readily available? 15 MR. HENDERSON: 18 Q. Okay, now prior to the outages in 2014, there 19 15 maintenance we may not have met the 10 any areas of, where we may not have met the 21 10 CAREEN, Q.C.: 21 21 plan for a particular week, but would 22 plan for a particular week, but would 23 18 Q. Okay, now prior to the outages in 2014, there 19 was no record kept for deferral of 21 maintenance weret? 22 plan for a particular week, but would 23 prior to 2014, monthly reports on the status 24 of annual work plan items, is that correct?	6 MR. HENDERSON:	6	the managers knowing.		
9 to me at this point, in terms of deferring 9 GREEN, Q.C.: 10 maintenance, but l'm going to ask Darren, he might—because he would be one of the people 10 Q. And I get that, l'm just wondering is the form 12 that would be right on the frontline in terms 13 of assuring that's documented, so maybe you 13 of assuring that's documented, so maybe you 14 creadily available? 15 M. MOORE: 15 NR. HENDERSON: 16 A. Yes, that's correct, there is a form under 17 development, l'll say the form is draft right 18 now, but would be utilized if, like I say, 18 Q. Okay, now prior to the outages in 2014, there 19 maintenance on a weekly basis and identifying any areas of, where we may not have met the 10 maintenance-for the analysis of the decision 21 implement a recovery plan, you know, before 19 maintenance, execution and 21 to defer and I understood from your previous 22 testim, readily available? 14 A. So it was a verbal update mothy to net status 24 the winter ready date or before year end to 24 of annual work plan 24 <t< td=""><td>7 A. Well I'm not sure, I haven't seen the fo</td><td>orm 7 M</td><td>MR. GARDINER:</td><td></td></t<>	7 A. Well I'm not sure, I haven't seen the fo	orm 7 M	MR. GARDINER:		
10 maintenance, but I'm going to ask Darren, he 10 Q. And I get that, I'm just wondering is the form 11 actually out there for use and I'm still now 1 12 that would be right on the frontiline in terms 11 actually out there for use and I'm still now 13 of assuring that's documented, so maybe you 13 to be required to use it and is it out and 14 can just explain where we are with that. 14 readily available? 15 M. MOORE: 15 M. HIENDERSON: 16 A. Yes, that's correct, there is a form under 16 A. They are required to use it. 17 development, I'll asy the form is draft right 18 Q. Okay, now prior to the outages in 2014, there 18 now, but would be uilized if, like I say, 19 was no record kept for deferral of 20 maintenance- on aweekly basis and identifying 21 to defer and I understood from your previous 21 in place which are all the managers tright mow, Page 234 23 in place which are all the managers throughout 24 A. So it was a verbal update that I was getting 2 that would he equired to not the sepeople and 3 any issues or concerns were tabled at	8 because there hasn't been any brought for	rward 8	A. Right.		
11 mightbecause he would be one of the people 11 actually out there for use and 1°m still now 12 that would be right on the frontline in terms is of assuring that's documented, so maybe you 14 can just explain where we are with that. 15 15 MR.MOORE: 16 A. Yes, that's correct, there is a form under 16 A. Yes, that's correct, there is a form under 16 A. They are required to use it. 17 development, I'll say the form is draft right 17 GREEN, Q.C.: 18 now, but would be utilized if, like I say, 19 was no record kept for deferral of 20 maintenance on a weekly basis and identifying 20 maintenancefor the analysis of the decision 21 to defer and I understood from your previous 21 to defer and I understood from your previous 22 testimony, Mr. Henderson, that you received 23 prior to 2014, monthly reports on the status 24 there is no change on the annual work plan 2 4 4 3 but we have an asset owner's technical council 3 any issues or concerns were tabled at that 4 inplace which are all the managers throughuat 4 4 1	9 to me at this point, in terms of deferring	g 9 (GREEN, Q.C.:		
12 that would be right on the frontline in terms of assuring that's documented, so maybe you can just explain where we are with that. 12 sure. They're aware of it, but are they going to be required to use it and is it out and to be required to use it and is it out and it can just explain where we are with that. 15 MR. MOORE: 16 A. They are required to use it. 16 A. Yes, that's correct, there is a form under development, TI say the form is draft right in drevelopment, TI say the form is draft right any areas of, where we may not have met the 22 16 A. They are required to use it. 17 GREEN, QC.: 18 Q. Okay, now prior to the outages in 2014, there 19 19 21 in any areas of, where we may not have met the 22 18 Q. Okay, now prior to the outages in 2014, there 19 20 22 plan for a particular week, but would 23 inplement a recovery plan, you know, before 24 21 to defer and I understood from your previous 24 22 testimony, Mr. Henderson, that you received 23 23 The are all the managers throughout 24 14 The are is no change on the annual work plan 24 14 The area all the managers throughout 24 14 So it was a verbal update that I was getting 24 24 A. So it was a verbal update that I was getting 25 24 A. So it was a verbal update monthly to - 25 34 14 16 1	10 maintenance, but I'm going to ask Darre	en, he 10	Q. And I get that, I'm just wondering is the form	1	
13 of assuring that's documented, so maybe you 13 to be required to use it and is it out and 14 can just explain where we are with that. 14 readily available? 15 MK. MCOKE: 15 MK. HENDERSON: 16 A. Yes, that's correct, there is a form under 16 A. They are required to use it. 17 development, I'll say the form is draft right 16 A. They are required to use it. 18 now, but would be utilized if, like I say, 18 O. Okay, now prior to the outages in 2014, there 19 there is no, we've been tracking our 19 was no record kept for deferral of 20 maintenance-for the analysis of the decision 20 21 plan for a particular week, but would 21 to defer and I understood from your previous 22 plan tor a particular week, but would 22 testimony, Mr. Henderson, that you received 23 minure ready date or before year end to 24 of annual work plan items, is that correct? 24 there is no change on the annual work plan 1 A. So it was a verbal update that I was getting 3 but we have an asset owner's technical council 1 A. So it was a verbal update mothly t	11 mightbecause he would be one of the p	people 11	actually out there for use and I'm still now		
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11opportunity yet or the requirement, shall we11Q. Okay, after the outages?12say, to document any such decisions on that12MR. HENDERSON:13form.13A. Yes.14GREEN, Q.C.:14GREEN, Q.C.:15Q. And has it been sent out to these people and15Q. I wonder if we could go, please, to PR-PUB-16have they been trained on it?16169, Revision 1. This was the backlog for the17MR. GARDINER:17prevention of maintenance for terminal station18A. All the people that are accountable for those18transformers. I understood from your prior19changes would be required for documentation, if20developed a five-year plan to catch up with21required, if there was a change that needed to21this maintenance, is that correct?22be documented.22MR. HENDERSON:23GREEN, Q.C.:23A. Sorry, I'll defer to Darren.24Q. So it's actually out with your staff for use,24MR. MOORE:	-		-		
12say, to document any such decisions on that12MR. HENDERSON:13form.13A. Yes.14GREEN, Q.C.:14GREEN, Q.C.:15Q. And has it been sent out to these people and15Q. I wonder if we could go, please, to PR-PUB-16have they been trained on it?16169, Revision 1. This was the backlog for the17MR. GARDINER:17prevention of maintenance for terminal station18A. All the people that are accountable for those18transformers. I understood from your prior19changes would be well informed with respect to19evidence that in about 2010 or so, Hydro had20what would be required for documentation, if20developed a five-year plan to catch up with21required, if there was a change that needed to22MR. HENDERSON:23GREEN, Q.C.:23A. Sorry, I'll defer to Darren.24Q. So it's actually out with your staff for use,24MR. MOORE:					
13form.13A. Yes.14GREEN, Q.C.:14GREEN, Q.C.:15Q. And has it been sent out to these people and14GREEN, Q.C.:16have they been trained on it?15Q. I wonder if we could go, please, to PR-PUB-16have they been trained on it?16169, Revision 1. This was the backlog for the17MR. GARDINER:17prevention of maintenance for terminal station18A. All the people that are accountable for those18transformers. I understood from your prior19changes would be well informed with respect to19evidence that in about 2010 or so, Hydro had20what would be required for documentation, if20developed a five-year plan to catch up with21required, if there was a change that needed to21this maintenance, is that correct?22be documented.23GREEN, Q.C.:23A. Sorry, I'll defer to Darren.24Q. So it's actually out with your staff for use,24MR. MOORE:24					
14 GREEN, Q.C.:14 GREEN, Q.C.:15 Q. And has it been sent out to these people and16 have they been trained on it?16 have they been trained on it?15 Q. I wonder if we could go, please, to PR-PUB-17 MR. GARDINER:16 169, Revision 1. This was the backlog for the18 A. All the people that are accountable for those18 transformers. I understood from your prior19 changes would be well informed with respect to19 evidence that in about 2010 or so, Hydro had20 what would be required for documentation, if20 developed a five-year plan to catch up with21 required, if there was a change that needed to21 this maintenance, is that correct?22 be documented.23 GREEN, Q.C.:23 A. Sorry, I'll defer to Darren.24 Q. So it's actually out with your staff for use,24 MR. MOORE:					
15Q. And has it been sent out to these people and have they been trained on it?15Q. I wonder if we could go, please, to PR-PUB- 1616have they been trained on it?16169, Revision 1. This was the backlog for the prevention of maintenance for terminal station17MR. GARDINER:17prevention of maintenance for terminal station18A. All the people that are accountable for those changes would be well informed with respect to 2018transformers. I understood from your prior19evidence that in about 2010 or so, Hydro had 2020developed a five-year plan to catch up with 2121required, if there was a change that needed to 22be documented.22MR. HENDERSON:23GREEN, Q.C.:23A. Sorry, I'll defer to Darren.24Q. So it's actually out with your staff for use,24MR. MOORE:					
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 17 MR. GARDINER: 18 A. All the people that are accountable for those 19 changes would be well informed with respect to 20 what would be required for documentation, if 21 required, if there was a change that needed to 22 be documented. 23 GREEN, Q.C.: 24 Q. So it's actually out with your staff for use, 17 prevention of maintenance for terminal station 18 transformers. I understood from your prior 19 evidence that in about 2010 or so, Hydro had 20 developed a five-year plan to catch up with 21 this maintenance, is that correct? 22 MR. HENDERSON: 23 A. Sorry, I'll defer to Darren. 24 MR. MOORE: 			• *	;	
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22be documented.22MR. HENDERSON:23GREEN, Q.C.:23A. Sorry, I'll defer to Darren.24Q. So it's actually out with your staff for use,24MR. MOORE:	~				
24Q. So it's actually out with your staff for use,24MR. MOORE:	-				
24Q. So it's actually out with your staff for use,24MR. MOORE:	23 GREEN, Q.C.:	23	A. Sorry, I'll defer to Darren.		
	24 Q. So it's actually out with your staff for use	e, 24 M			
			A. That's correct, yes, six-year plan starting in		

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1 2010.		1	(committed to achieving our six-year objective
2 GREEN, Q.C.:		2	1	by the end of 2015.
3 Q. Okay, ar	nd am I correct in the reading of this	3	GREE	N, Q.C.:
	respect to transformers, that in	4	Q	And then, of course, we had the outages in
5 fact your	performance would have deteriorated	5		2014 with Liberty's report and the Board's
	time you developed a plan to, we see	6	1	report and the Board's direction for you to
7 in 2013 t	here was 27 backlogged?	7		catch up your maintenance, which in fact you
8 MR. MOORE:		8		were pretty much on target to have it all
	bers there are the actual numbers that	9		completed for the hiring of additional
	klogged each year.	10		resources, including internal and external, is
11 GREEN, Q.C.:		11	t	that correct?
	ad of catching up with your backlog,	12		IOORE:
13 it increas	sed after you developed your plan?	13		That's correct, the June 2nd reports that we
14 MR. MOORE:		14		submitted to the Board in 2014 outlined a very
	which was year four of the six-year	15		specific plan to finish off the overdue
	program and we're still, I'll say	16		maintenance by the end of 2015.
	late 2015 right now and will be fully	17		N, Q.C.:
	d at the end of this year as per our	18		Which included additional resources being
	plan, but in 2013, I agree that	19		hired?
	s higher than we would have liked four			100RE:
	o our plan with respect to catching	21		That's right.
· ·	e backlog or our recovery program for			N, Q.C.:
	ners. Now having said that, in 2013	23	-	But you didn't see fit to do that prior to
	faced with a huge volume of break-in	24		2013?
25 work tha	t took away our existing resources to	25	MR. M	100RE:
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	more higher priority work for our	1		Prior to that year we were very committed to
	rs. Some examples would be the winter	2		the most highest priority work for our
	t in Holyrood in January 2013, which	3		customers and I had just explained some of the
	vay resources from working on	4		significant items that we were faced with in
	ners that are indicated there. There	5		2013 and being very conscious of being, you
	e issues that came out of that storm	6		know, committed to least cost service as well,
	had to work on to ensure that we,	7		we prioritized the work and looked at what was
	e integrity of the Holyrood terminal	8		most important, being very conscious of
	fter that outage, such as recoating	9		budget, as well as completion of work at the
	the components to make them more	10		same time and getting the right balance and
	to, if any future storms come. We	11		making a decision that well those high
	an unbudgeted capital project happen	12	_	priority items, some of which I just
	to completely replace the alternator	13		mentioned, needed the attention of our
	ardwoods gas turbine, it drew upon	14		resources for our customers.
	resources. That's a couple of			N, Q.C.:
-	s of the very big work items, I guess,	16		But Hydro was unable to provide any written
	v upon our existing resources that we	17		documentation of the analysis, was it, with
	ed at the time, as a considered	18		respect to that assessment of priority?
	were of a higher priority and more			100RE: There were very you know considered
-	it for our customers at that time.	20		There were very, you know, considered
	zing that we were four years into our	21		decisions which involved all the key managers
•	plan, we knew our resources had to	22		and consultation with our engineering group
	that more higher priority, more	23		and with our system operations' group, but
-	it work, but, you know, still fully	24		they weren't documented on adocumentation is not on a specific form prior to that time, no.
25 recogniz	e that we were wanting to and fully	25	1	Page 237 Page 240

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1 GREEN, Q.C.:	1	1 MR. HENDERSON:	
2 Q. Okay, and just to put this in context	t, you 2	2 A. Yes.	
3 have 105 transformers, don't you?	3	3 GREEN, Q.C.:	
4 MR. MOORE:	4	Q. And my very last question, is there any	vthing
5 A. That's right.	5		-
6 GREEN, Q.C.:	6	5 was supposed to have happened at the	end of
7 Q. Okay, so the last question, or I think	k the 7	7 2014?	
8 last area for certain is PR-PUB-167, the	same 8	8 MR. HENDERSON:	
9 information for the breakers. And su	bject to 9	A. Is there any -	
10 check, Mr. Moore, you have 50 air	-) GREEN, Q.C.:	
11 circuit breakers?	11		d to
12 MR. MOORE:	12		
13 A. At the time, prior to 2014, I believe i		3 MR. HENDERSON:	
14 63 and that number is somewhat le			rough
15 because we've been in a replacement			-
16 for our air blast circuit breakers.	16		
17 GREEN, Q.C.:	17		
18 Q. Okay. So again, we see your five-yea			
19 have it completed was not achieve	•		
20 respect to the circuit breakers; in fa			lunee
21 backlogs were increasing by 2013?		1 GREEN, Q.C.:	
22 MR. MOORE:	21		
23 A. Again, yes, those numbers are showin		3 MR. HENDERSON:	
trend that we seen for our power trans	-		een an
25 GREEN, Q.C.:	25		
1 Q. So we don't, there's no additional explan	Page 242	1 wa're waiting to hear heak from them	Page 244
		e	-
 3 backlogs for the breakers, is there, than y 4 just heard on - 	we 3	is done, it's just a matter of getting th	
	4		
5 MR. MOORE:	5		adusii
6 A. No, other than the same resources that w			
7 taken away on higher priority work would		7 GREEN, Q.C.:	£
8 been working on air blast circuit breakers			
9 well as power transformers, so the same		1	ets,
10 resource pool.	10		
11 GREEN, Q.C.:		1 MR. HENDERSON:	
12 Q. And now, Mr. Henderson, you said there			
13 system in place to actually monitor backl	-	3 GREEN, Q.C.:	
14 I understood from earlier today.	14		
15 MR. HENDERSON:	15		-
16 A. Well the backlogs were monitored before			
17 scheduler level, so the folks who are do	-		
18 the work planning were monitoring back	-		арру
19 What we have now is we're getting a w	-	6 6	
20 report on progress on the annual work pla) MR. GARDINER:	1
21 how muchare we achieving what we set			1 to the
22 achieve in terms of our annual work plan		•	
23 GREEN, Q.C.:		3 GREEN, Q.C.:	
Q. And that's what I meant, it's a higher lev			
25 of scrutiny or review, I would call it.	25	5 your indulgence, but I did manage to fin	nish.

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 MR. HENDERSON: A. You did, thank you very much. CHAIRMAN: Q. So we are finished now until, we have a interregnum until the 19th of October, is th correct? Monday, a week from Monday co MS. GLYNN: Q. Mr. Chair, any questions - CHAIRMAN: Q. Oh, I'm sorry, I forgot about you guys. You MR. CASS: Q. No questions. VICE-CHAIR WHALEN: Q. So we're adjourned for Monday week. MS. GLYNN: Q. Again, any re-direct? I'm assuming not. CHAIRMAN: Q. Yeah, who do I go to re-direct for you guy I'm sorry, Mr. Cass, it's - MR. CASS: Q. There is none, sir, thank you. 	1 CERT 2 I, Judy Moss, here 3 and correct transe at 5 4 Newfoundland at 5 6 before the Comm 7 St. John's, Newfor 8 by me to the best 9 apparatus. 0u 10 11 this 8th day of Oct 12 Judy Moss	IFICATE eby certify that the foregoing is a true cript of a hearing in the matter of and Labrador Hydro's General Rate d on the 8th of October, A.D., 2015 issioners of the Public Utilities Board, bundland and Labrador and was transcribed t of my ability by means of a sound 's, Newfoundland and Labrador
F 1 Q. I'm suffering from extreme hunger, it's 2 affected what's left of my brain. 3 MS. GLYNN: 4 Q. So we are on a break until October 19th. 5 CHAIRMAN: 6 Q. Okay, thank you very much. 7 JOHNSON, Q.C.: 8 Q. Thank you. 9 Upon conclusion at 1:53 p.m.	Page 246	

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