NEWFOUNDLAND AND LABRADOR BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

120 Torbay Road, P.O. Box 21040, St. John's, Newfoundland and Labrador, Canada, A1A 5B2

Hearing Transcript

REFERENCE TO THE BOARD RATE MITIGATION OPTIONS AND IMPACTS MUSKRAT FALLS PROJECT

October 4, 2019

PRESENT:

The Board:

Darlene Whalen, Chair and CEO Dwanda Newman, Vice-Chair John O'Brien, Commissioner

Board Counsel/Staff:

Jacqueline Glynn, Board Counsel Maureen Greene, Q.C., Reference Counsel Cheryl Blundon, Board Secretary

Parties

Nalcor Energy/

Newfoundland and Labrador Hydro

Geoff Young, Q.C., Counsel - NL Hydro David Eaton, Q.C., Counsel - Nalcor Energy

Newfoundland Power:

Kelly Hopkins, Counsel Liam O'Brien, Counsel

Consumer Advocate:

Dennis Browne, Q.C. – Consumer Advocate Stephen Fitzgerald, Counsel – Consumer Advocate

Island Industrial Consumer Group:

Paul Coxworthy, Counsel Dean Porter, Counsel Denis Fleming, Counsel

Witnesses:

The Liberty Consulting Group - Panel

John Antonuk Brian Daschbach Kevin Cellars Dr. James Letzelter Randall Vickroy

| Page 1 (9:00 a.m.) 1 (9:00 a.m.) 2 CHAIR: 2 Q. Yes, okay. 3 Q. Good morning, everybody. Ms. Greene, are there any, or Jacqui, are there any preliminary matters, issues that you're aware of? 6 aware of? 6 aware of? 6 aware of. 7 GREENE, Q.C.: 7 | Octor | per 4, 2019 | | Wiuskrat Fails - Rate Wittgation Review |
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| 2 CHAIR. 3 Q. Good moming, everybody. Ms. Greene, are 4 there any, or Jacqui, are there any 5 preliminary matters, issues that you're 6 aware of? 7 GREENE, Q.C.: 8 Q. No, Madam Chair, there's not issues that I'm 9 aware of. 10 CHAIR. 11 Q. Okay. I guess we're going straight to 11 Q. Okay. I guess we're going straight to 12 Newfoundland Power then for questions. 13 MR. OPBRIEN: 14 Q. Thank you, Madam Chair. Good morning, Panel. 15 Good to see most Ofyou again. I'm not sure 17 I've seen all of your before, but most of 18 the faces look familiar. I'll try to direct 19 my questions, I guess, this morning just to 19 the Panel and I guess maybe directly to Mr. 21 Antonuk, but as Mr. Eaton said yesterday, if 22 anybody on the Panel has information, you 23 feel free to share on any one of the 24 questions that I might have. And I don't 25 have too many for you today. I think you 21 covered off most of the questions that I 22 mestions really today. The first 23 outside of your scope to look at sort of 24 goustions really today. The first 25 one I wanted to ask you had to do with the 26 financial mitigation opportunities, and you 27 identified the LCP dividends as the main 28 sort of financial opportunity we have here 29 for mitigation. It's the largest I guess in 21 outside of your scope to look at sort of 22 policy sissues with respect to whether or not 23 all or any of those would be applied towards 24 all of those dividends might be available; 25 Are there economic risks or other risks that might influence whether all of those 26 dividends might be available in the future? 27 MR. ANTONUK: 28 A. We did not do that. We know that there are ectatinly some esignificant uncertainties 29 dividends might be available in the future? 29 dividends might be available in the future? 20 draw free certainly some significant uncertainties 21 draw free certainly some significant uncertainties 22 draw free certainly some significant uncertainties 23 draw free have been issues ara is and then the other issues. Sue issues. 24 MR. | | - | | - |
| 3 Q. Good morning, everybody. Ms. Greene, are there any, or Jacqui, are there any or pacqui, are there any or pacqui. A considered, is there any is known to have been issues raised about whether the rates are kind of sustainable in an economic basis. We did not get into those issues. W | 1 - | ` / | | |
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| | er 4, 2019 | | Muskrat Falls - Rate Mitigation Review |
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| | Page 5 | | Page 7 |
| 1 | that might have on your numbers? | 1 | what sort of analysis you might have done |
| 2 | MR. ANTONUK: | 2 | there. I got the point with respect to |
| 3 | A. We did not. | 3 | Newfoundland and Labrador Hydro's assets |
| 4 | MR. O'BRIEN: | 4 | sort of already having gone through a study |
| 5 | Q. Okay. | 5 | recently, and you kind of looked at that and |
| 6 | MR. ANTONUK: | 6 | didn't see any reason to modify that. And I |
| 7 | A. So, those would be additive. | 7 | gather with respect to the LCP assets, that |
| 8 | MR. O'BRIEN: | 8 | you took the position that they're sort of |
| 9 | Q. Additive to what you've got there, okay. | 9 | set in stone with the commercial agreements. |
| 10 | Thank you. And you did mention yesterday | 10 | Is that fair? |
| 11 | one of the other ones was the HST. You | 11 | MR. ANTONUK: |
| 12 | didn't really look at taxation policy, but | 12 | A. That's correct. |
| 13 | you did flag that in the past some of the | 13 | MR. O'BRIEN: |
| 14 | provincial sort of side of HST has been | 14 | Q. In your report, and I wonder if we could |
| 15 | applied as a rebate. You don't see any | 15 | bring up page 28, the top of the page there. |
| 16 | barrier to that happening in the future | 16 | And I just wanted to ask you about that, |
| 17 | 11 0 | 17 | that first line, "Nevertheless, we did |
| 18 | subject to government policy, do you? MR. ANTONUK: | 18 | |
| | | | examine whether the unwinding of |
| 19 | A. Correct. MR. O'BRIEN: | 19 | arrangements that may involve Emera, the |
| 20 | | 20 | federal government and all bond investors |
| 21 | Q. Yes, okay. Do you have any idea sort what | 21 | might produce sufficient benefits to warrant |
| 22 | kind of impact that might have on your | 22 | pursuit." Did you do any sort of analysis |
| 23 | numbers? | 23 | around that, the unwinding of those |
| 24 | MR. ANTONUK: | 24 | arrangements and what benefits you could |
| 25 | A. I think the numbers were somewhere in the | 25 | see? |
| | | | |
| | Page 6 | | Page 8 |
| 1 | vicinity of 50. | 1 | MR. ANTONUK: |
| 2 | vicinity of 50. MR. VICKROY: | 2 | MR. ANTONUK: A. Randy, do you want to take that one? |
| 1 | vicinity of 50. MR. VICKROY: Q. Yes, 50. | 2 3 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: |
| 2 3 4 | vicinity of 50. MR. VICKROY: Q. Yes, 50. MR. O'BRIEN: | 2 3 4 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: A. Pretty much it's the last sentence in that |
| 2 3 | vicinity of 50. MR. VICKROY: Q. Yes, 50. MR. O'BRIEN: Q. Yes. And I think - | 2 3 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: A. Pretty much it's the last sentence in that particular paragraph. |
| 2 3 4 | vicinity of 50. MR. VICKROY: Q. Yes, 50. MR. O'BRIEN: | 2 3 4 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: A. Pretty much it's the last sentence in that |
| 2 3 4 5 | vicinity of 50. MR. VICKROY: Q. Yes, 50. MR. O'BRIEN: Q. Yes. And I think - | 2 3 4 5 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: A. Pretty much it's the last sentence in that particular paragraph. MR. O'BRIEN: Q. Okay. |
| 2 3 4 5 6 | vicinity of 50. MR. VICKROY: Q. Yes, 50. MR. O'BRIEN: Q. Yes. And I think - MR. ANTONUK: | 2 3 4 5 6 | MR. ANTONUK: A. Randy, do you want to take that one? MR. VICKROY: A. Pretty much it's the last sentence in that particular paragraph. MR. O'BRIEN: |
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| | Page 9 | | Page 11 |
| 1 | Q. And this is I guess all subject to the | 1 | MR. ANTONUK: |
| 2 | parties agreeing to unwind those | 2 | A. Oh, I'm sorry. |
| 3 | arrangements. Is there any benefit to | 3 | MR. O'BRIEN: |
| 4 | looking at methodologies? Would that assist | 4 | Q. Could you expand on that? |
| 5 | with moving depreciation funds around? | 5 | MR. ANTONUK: |
| 6 | Would that assist in a rate mitigation | 6 | A. Yeah, I can. We looked at how the Power |
| 7 | perspective? | 7 | Supply assets are managed, we looked at how |
| 8 | MR. VICKROY: | 8 | the Hydro Power Supply assets are managed |
| 9 | A. Yes, as John says, the PPA and the TRA are | 9 | and we found that combining them would not |
| 10 | locked in. | 10 | pose any operational barriers, and in fact, |
| 11 | MR. O'BRIEN: | 11 | would promote operational improvements as a |
| 12 | Q. Right. | 12 | matter of fact in addition to producing |
| 13 | MR. VICKROY: | 13 | staffing reductions. |
| 14 | A. Inflexible. But if those agreements are | 14 | MR. O'BRIEN: |
| 15 | opened up, I would expect everything to be | 15 | A. Okay. |
| 16 | on the table, including depreciation. | 16 | MR. ANTONUK: |
| 17 | MR. O'BRIEN: | 17 | A. So, that was the point. |
| 18 | Q. Okay. | 18 | MR. O'BRIEN: |
| 19 | MR. VICKROY: | 19 | Q. All right, okay. And in terms of the |
| 20 | A. Returns, everything. If that ever happened. | 20 | figures that you identified, you identified, |
| 21 | MR. O'BRIEN: | 21 | I think there 113 FTE reductions. Is that |
| 22 | Q. Okay, and if that were to be the case, so I | 22 | correct? |
| 23 | guess depreciation could be modified to | 23 | MR. ANTONUK: |
| 24 | assist with the rate mitigation process? | 24 | A. Yes. |
| 25 | MR. VICKROY: | 25 | MR. O'BRIEN: |
| | Page 10 | | Page 12 |
| 1 | A. Sure. | 1 | Q. I got the import from your evidence |
| 2 | MR. O'BRIEN: | 2 | yesterday, you felt that was a conservative |
| 3 | Q. Okay. | 3 | figure? |
| 4 | MR. VICKROY: | 4 | MR. ANTONUK: |
| 5 | A. I would think. | 5 | A. We're comfortable with that figure and any |
| 6 | MR. O'BRIEN: | 6 | figure like that has risks, error risk. I |
| 7 | Q. Okay, and moving along tothe next topic I | 7 | would say it this way, the risk that that |
| 8 | had was the Hydro and Power Supply | 8 | number is high is, in our opinion, lower— |
| 9 | Integration. And you spoke a fair bit about | 9 | higher than the risk that the number is |
| 10 | that yesterday and I appreciate that. And | 10 | high. In other words, if I would take a 50 |
| 11 | one of the comments I noted and you were | 11 | percent probability, I think we're well |
| 12 | brought to in terms of there being, in your | 12 | above that in terms of that number. So, I |
| 13 | report, no sound operational reason for | 13 | would expect is it more likely that those |
| | | 14 | manala and reville and the antidocera |
| 14 | continuing with that. Could you just expand | | numbers will go up than down. |
| 15 | on that just a little bit on what was in | 15 | MR. O'BRIEN: |
| 15 16 | on that just a little bit on what was in your report? | 15 16 | MR. O'BRIEN: Q. All right. Than down, okay. |
| 15 16 17 | on that just a little bit on what was in your report? MR. ANTONUK: | 15 16 17 | MR. O'BRIEN: Q. All right. Than down, okay. MR. ANTONUK: |
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| | Page 13 | | Page 15 |
| 1 | And I'm not certain you can answer this | 1 | the Nalcor submission related to a 2.5- |
| 2 | question, but I'm going to ask it anyway. | 2 | million-dollar reduction associated with |
| 3 | So, it's page 26 on the bottom, I think. | 3 | Exploits. |
| 4 | Yes, so there's a heading there, "Finding | 4 | MR. O'BRIEN: |
| 5 | Efficiencies," and there's a discussion | 5 | Q. With Exploits. |
| 6 | there about a table that starts on the next | 6 | MR. ANTONUK: |
| 7 | page, but if we start on line 23, it says, | 7 | A. And then, I think an additional \$2,000,000, |
| 8 | "The table below shows actual Nalcor FTE | 8 | but we weren't able to determine, and I'm |
| 9 | numbers in 2016 and steady state 2022 | 9 | not sure Hydro has either, exactly where |
| 10 | forecast post-reliable in service of the new | 10 | that 2 million would come from. |
| 11 | assets." And the plan transition of | 11 | MR. O'BRIEN: |
| 12 | Holyrood Thermal Generating Station to | 12 | |
| 1 | • | 13 | |
| 13 | synchronous condenser facility." So, if we | | submission that \$2,000,000 is raised as an |
| 14 | go to the next page then, now there's a | 14 | efficiency goal, but it's also indicated |
| 15 | table up top. So, Nalcor has—it shows the | 15 | that that was suggested by Liberty. Is that |
| 16 | actual FTEs in 2016 up to a forecast in 2020 | 16 | the case? |
| 17 | and a '22, 2022 forecast. And I gather from | 17 | MR. ANTONUK: |
| 18 | this submission there's an indication that | 18 | A. No, that's not. I don't think that's |
| 19 | the actuals increased from 2016 to 2020 and | 19 | correct. It's not easy to tell what that 2 |
| 20 | that's sort of associated with the | 20 | million is from our perspective, but our |
| 21 | commissioning, getting ready for | 21 | numbers are the 113. |
| 22 | commissioning, that sort of thing, but | 22 | MR. O'BRIEN: |
| 23 | there's an indication of a decrease forecast | 23 | Q. Okay. |
| 24 | from 2020 to 2022. Those figures, do you | 24 | MR. ANTONUK: |
| 25 | know and did you consider those figures and | 25 | A. And that includes changes at Exploits. |
| | Page 14 | | Page 16 |
| 1 | whether or not they include your 113 FTEs? | 1 | MR. O'BRIEN: |
| 2 | Are you able to answer that? | 2 | Q. All right. |
| 3 | MR. ANTONUK: | 3 | MR. ANTONUK: |
| 4 | A. No, we can't parse that. I can say that to | 4 | A. It would be wrong to suggest that we're |
| 5 | the extent that they assume the change in | 5 | saying 2.5 million from Exploits and only 2 |
| 6 | Holyrood, that certainly would be different. | 6 | million more. |
| 1 7 | MR. O'BRIEN: | 7 | MR. O'BRIEN: |
| 8 | Q. Yes. | 8 | Q. Okay. |
| 9 | MR. ANTONUK: | 9 | MR. ANTONUK: |
| 10 | A. And I imagine some folks in this room have | 10 | A. Somehow, I don't think that can possibly be |
| 11 | read our Reliability Report and we certainly | 11 | , i |
| 12 | | | what Hydro or Naicor were saying there bill it |
| 1 1/ | • • | | what Hydro or Nalcor were saying there, but |
| | do not—did not proceed from the assumption | 12 | as I said, it's a little unclear. |
| 13 | do not—did not proceed from the assumption that Holyrood would be retired. | 12 13 | as I said, it's a little unclear. MR. O'BRIEN: |
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| 13 MR. O'BRIEN: 13 A. We addressed corporate and service costs reductions directly in the rest of the report. So, that administrative portion, while the elimination of the positions we're talking about would lower the LCP O&M budget, that portion is not additive. 17 talking about would lower the LCP O&M budget, that portion is not additive. 18 MR. O'BRIEN: 20 Okay. 4 A. Yes. Yeah, the number obviously will grow after that. 25 MR. ANTONUK: 26 MR. ANTONUK: 27 MR. ANTONUK: 28 MR. ANTONUK: 29 A. Because inflation will occur. 29 MR. ANTONUK: 3 MR. ANTONUK: 3 MR. ANTONUK: 3 MR. ANTONUK: 4 A. Because inflation will occur. 5 MR. O'BRIEN: 5 MR. ANTONUK: 6 Q. Okay. 7 MR. ANTONUK: 8 A. So, I can't remember the numbers. I mean, we certainly have them plotted out more specifically. 10 MR. O'BRIEN: 11 MR. O'BRIEN: 12 MR. ANTONUK: 13 MR. ANTONUK: 14 MR. O'BRIEN: 15 MR. O'BRIEN: 16 MR. O'BRIEN: 17 MR. O'BRIEN: 18 MR. ANTONUK: 18 MR. ANTONUK: 18 MR. ANTONUK: 18 MR. O'BRIEN: 19 MR. | 1 | | | |
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| 25 could do this a little better, but the only 25 A. We do and I think that's in the report. | 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | Q. Okay. MR. ANTONUK: A. So, I can't remember the numbers. I mean, we certainly have them plotted out more specifically. MR. O'BRIEN: Q. Yes. MR. ANTONUK: A. We tried to stick with—more with averages. So - MR. O'BRIEN: Q. Okay. And does that include, and I'm going to just ask you a few more questions in a minute on this, but does that include the 12 million that you identified for the O&M costs? Is there an overlap in that? (9:15 a.m.) MR. ANTONUK: | 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | MR. O'BRIEN: Q. Right, okay. MR. ANTONUK: A. You know, so the fact that that administrative portion that we remove from LCP O&M is not additive, still doesn't mean it's not going to show in the LCP O&M budget. MR. O'BRIEN: Q. No, I get that, yes. MR. ANTONUK: A. It's not really a matter of where the dollars are allocated. They're not additional dollars. MR. O'BRIEN: Q. It's not addition, okay. And do you have any sort of idea as to what that kind of figure might be in terms of that you'd see in both categories? |
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| | Page 21 | | Page 23 |
| 1 | MR. O'BRIEN: | 1 | that fair? |
| 2 | Q. Okay. | 2 | MR. ANTONUK: |
| 3 | MR. ANTONUK: | 3 | A. I think that's correct. I think our |
| 4 | A. I don't recall it, and do know where that | 4 | recommendations would in effect say that the |
| 5 | is? | 5 | consolidation of the utility assets and |
| 6 | MR. O'BRIEN: | 6 | their operation under Hydro would be the end |
| 7 | Q. If it's in the report, I can pull that up | 7 | result and that would leave Nalcor to pursue |
| 8 | just in terms our – | 8 | the other elements of whatever mission the |
| 9 | MR. ANTONUK: | 9 | province decides is appropriate for it with |
| 10 | A. Is it thewhere is that? Where would we | 10 | respect to energy development or anything |
| 11 | find that? Well, why don't we do this? We | 11 | else for that matter. |
| 12 | already have one mission at the break. I | 12 | MR. O'BRIEN: |
| 13 | think we can take this one on, too. | 13 | Q. And that's sort of what I took from your |
| 14 | MR. O'BRIEN: | 14 | comment yesterday and I wonder whether or |
| 15 | Q. I'd appreciate that, thank you. Yes. | 15 | not the idea or the thought process that |
| 16 | GREENE, Q.C.: | 16 | Nalcor will be continuing to focus on oil |
| 17 | Q. And just to be clear, Mr. O'Brien, could you | 17 | and gas in the future, was that something |
| 18 | clarify your question, please? | 18 | that was in your mindset when you analyzed |
| 19 | MR. O'BRIEN: | 19 | this integration process from the start? |
| 20 | Q. Just to see what the impact of the dollars | 20 | MR. ANTONUK: |
| 21 | and cents were in the overlap between the | 21 | A. Yes. Yes, we understood—I think we started |
| 22 | LCP, that administration cost between the | 22 | with the belief that the entirety of the oil |
| 23 | overlap, I guess the overlap between the LCP | 23 | and gas business, both operation or |
| 24 | O&M and the 113. So, your Power Supply | 24 | management of current assets and future |
| 25 | Integration figure. | 25 | assets would move to another entity. Then, |
| | Page 22 | | Page 24 |
| 1 | MR. ANTONUK: | 1 | we came to understand that from an |
| 2 | A. Yes, and I'll clarify. I called it | 2 | investment management perspective and equity |
| $\frac{2}{3}$ | administrative. | 3 | investment management perspective and equity |
| 4 | MR. O'BRIEN: | 4 | will, that certain functions would remain. |
| 5 | Q. Yes. | 5 | And we saw those sounding like they were |
| 6 | MR. ANTONUK: | 6 | largely a financial and accounting function. |
| 7 | A. We'll clearly identify what the category | 7 | We assumed that they would stay. |
| 8 | actually is. | 8 | MR. O'BRIEN: |
| 9 | MR. O'BRIEN: | 9 | Q. Okay. |
| 10 | Q. Perfect. | 10 | MR. ANTONUK: |
| 11 | MR. ANTONUK: | 11 | A. Not per our ideal scenario, but I think |
| 12 | A. If it's other than that, and we'll identify | 12 | where we ended up on that is that if you |
| 13 | the dollars associated with that. | 13 | sort of consolidate under Hydro and you |
| 14 | MR. O'BRIEN: | 14 | leave Nalcor to pursue these, whatever else |
| 15 | Q. The dollars and cents. Yes, okay. With | 15 | in on its agenda separately, that that |
| 16 | respect to the analysis you did for the | 16 | function could just as easily move, that |
| 10 | | 1 1() | function could just as easily move, that |
| 17 | - · · · · · · · · · · · · · · · · · · · | l | · · · · · · · · · · · · · · · · · · · |
| 17 | Hydro Power Supply and I'll call it | 17 | those are not the - |
| 18 | Hydro Power Supply and I'll call it reintegration, I believe is what you had | 17 18 | those are not the - MR. O'BRIEN: |
| 18 19 | Hydro Power Supply and I'll call it reintegration, I believe is what you had called it in your report. You made a | 17 18 19 | those are not the - MR. O'BRIEN: Q. Okay. |
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| 18 19 20 21 22 | Hydro Power Supply and I'll call it reintegration, I believe is what you had called it in your report. You made a comment yesterday about sort of allowing Nalcor then to focus on Nalcor efforts, I guess, and future, and I got the impression | 17 18 19 20 21 22 | those are not the - MR. O'BRIEN: Q. Okay. MR. ANTONUK: A. The kind of resources who are going to manage investments in oil and gas resources |
| 18 19 20 21 22 23 | Hydro Power Supply and I'll call it reintegration, I believe is what you had called it in your report. You made a comment yesterday about sort of allowing Nalcor then to focus on Nalcor efforts, I guess, and future, and I got the impression that that would allow then Hydro to focus on | 17 18 19 20 21 22 23 | those are not the - MR. O'BRIEN: Q. Okay. MR. ANTONUK: A. The kind of resources who are going to manage investments in oil and gas resources aren't the kind of resources you could find |
| 18 19 20 21 22 | Hydro Power Supply and I'll call it reintegration, I believe is what you had called it in your report. You made a comment yesterday about sort of allowing Nalcor then to focus on Nalcor efforts, I guess, and future, and I got the impression | 17 18 19 20 21 22 23 24 | those are not the - MR. O'BRIEN: Q. Okay. MR. ANTONUK: A. The kind of resources who are going to manage investments in oil and gas resources |

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| 1 | those kinds of resources exist and it would | 1 | that in certain cases, the bulk power market |
| 2 | be just as easy it seems to us to provide | 2 | would be advantaged by encouraging entry of |
| 3 | that, those services, from elsewhere. | 3 | competitive players who are willing to take |
| 4 | MR. O'BRIEN: | 4 | investment risks. |
| 5 | Q. Okay, all right. | 5 | MR. O'BRIEN: |
| 6 | MR. ANTONUK: | 6 | Q. So, absent that kind of scenario, are you |
| 7 | A. Or there's another way of looking at it, | 7 | aware of any situation where transmission is |
| 8 | too. If they truly are nominal, if it's a | 8 | not regulated? |
| 9 | nominal level of effort, it would not not | 9 | MR. ANTONUK: |
| 10 | also be a big deal to keep those in Hydro. | 10 | A. No. No. |
| 11 | It just seems to us that there's no real | 11 | MR. O'BRIEN: |
| 12 | reason to do that and there's no real | 12 | Q. Or is regulated, I should say. |
| 13 | efficiency in doing that. | 13 | MR. ANTONUK: |
| 14 | MR. O'BRIEN: | 14 | A. No, and as I said, the better way to look at |
| 15 | Q. Okay. Did you consider or can you answer | 15 | transmission is not so much deregulation, |
| 16 | this, whether or not there may be any risks | 16 | but movement of regulation from the state to |
| 17 | associated with moving Power Supply back | 17 | the federal level. |
| 18 | into Hydro? Does anything there jump out at | 18 | MR. O'BRIEN: |
| 19 | your as being a risk to the customer? | 19 | Q. Okay. |
| 20 | MR. ANTONUK: | 20 | MR. ANTONUK: |
| 21 | A. No, I think it's mitigative of both price | 21 | A. We're trying very hard to promote a fully |
| 22 | and operational risk to do so. | 22 | integrated electricity market in the US, at |
| 23 | MR. O'BRIEN: | 23 | least our federal energy regulatory |
| 24 | Q. Okay, thank you. Just moving on to another | 24 | commission is. Some old buzzards don't |
| 25 | topic. You talked yesterday about some | 25 | necessarily like that, but that's really the |
| | Page 26 | | Page 28 |
| 1 | jurisdictions where you may see T&D or | 1 | goal, is to encourage investment that will |
| 2 | Transmission and Distribution regulated, but | 2 | promote linkage of systems so that |
| 3 | generation in a competitive market. So, I | 3 | generation, market-based generation, can now |
| 4 | guess I'd say regulated by competition or | 4 | have a greater reach that it could before |
| 5 | the discipline of competition. Have you | 5 | transmission constraints get eliminated. |
| 6 | ever come across a jurisdiction where | 6 | MR. O'BRIEN: |
| 7 | transmission is not regulated? | 7 | Q. Okay, thank you. |
| 8 | MR. ANTONUK: | 8 | MR. ANTONUK: |
| 9 | A. There are cases where some elements of | 9 | A. It's not a departure from the classic model |
| 10 | transmission is unregulated at the local | 10 | though. |
| 11 | level. It is always regulated at the | 11 | MR. O'BRIEN: |
| 12 | federal level. | 12 | Q. It's not? No, okay. And the last area I |
| 13 | MR. O'BRIEN: | 13 | wanted to cover with you was the LCP O&M |
| 14 | Q. Okay. | 14 | costs. So, I had a few questions on that. |
| 15 | MR. ANTONUK: | 15 | You've talked about yesterday and it's in |
| 16 | A. In the US. The issue is still the same | 16 | your report about the basis that you sort of |
| 17 | though in terms of the reason it is not | 17 | worked from, from the O&M costs, and I |
| 18 | regulated at the state level. When it | 18 | believe it's the more recent June or March |
| 19 | becomes unregulated at the state level, it's | 19 | and October of 2018 figures. The last one I |
| 20 | because it is operating in an interstate | 20 | think being in the 97-million-dollar range |
| 21 | competitive market and the retail customers | 21 | for annual O&M costs. And you mentioned |
| 22 | are not kind of price-and-service takers | 22 | that you thought that was a sound baseline. |
| 23 | from it. Deregulation of transmission is | 23 | Can you explain that to me just a little bit |
| 24 | largely a function of, in fact, deregulating | 24 | further in terms of the any analysis you |
| 25 | the generation market. It's been decided | 25 | went into to come to the conclusion that was |

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| 1 | a sound baseline? | 1 | staffing and O&M cost benchmarking with |
| 2 | MR. ANTONUK: | 2 | other hydro projects. But the work that we |
| 3 | A. Yeah, I cannot start, and if we want to | 3 | did to actually come up with the specific |
| 4 | pursue details, I guess Kevin is going to my | 4 | adjustments was based on a look at what's |
| 5 | next stand-in. | 5 | happening here and what management was |
| 6 | MR. O'BRIEN: | 6 | assuming here. |
| 7 | Q. Sure. | 7 | MR. O'BRIEN: |
| 8 | MR. CELLARS: | 8 | Q. And I guess in terms of if you apply just a |
| 9 | A. I'll be his proxy for a second. | 9 | benchmarking approach at the start, you'd |
| 10 | MR. ANTONUK: | 10 | get into issues surrounding costs of delay, |
| 11 | A. In other words, we may pass this ball a lot | 11 | cost in the project itself. We saw a |
| 12 | before we shoot it. We looked at the basis | 12 | project that went way over budget, that kind |
| 13 | for the estimate. | 13 | of thing, and with delays and that sort of |
| 14 | MR. O'BRIEN: | 14 | thing. If you use that as a benchmark, you |
| 15 | | 15 | don't get a good feel for what the real O&M |
| 16 | Q. Okay. MR. ANTONUK: | 16 | • • |
| ı | | | costs would be going forward? Is that correct? |
| 17 | A. The staffing, the internal contractors, | 17 | MR. ANTONUK: |
| 18 | services, contingency. We looked at all of | 18 | |
| 19 | those, questioned how they were developed | 19 | A. That's certainly a factor and there are |
| 20 | and with any estimate on something that is | 20 | other factors too, which is, you know, the |
| 21 | under development, estimates get smarter as | 21 | LCP here involves a significant transmission |
| 22 | you go along. You have more information. | 22 | component. So, you know, to benchmark just |
| 23 | You narrow ranges of uncertainty around key | 23 | Muskrat Falls, you have isolate. Trying to |
| 24 | elements of that estimate. And I think | 24 | benchmark LTA or the LIL would – I'm not |
| 25 | where we were is we reached the conclusion | 25 | even sure how you'd start to do that. You |
| | Page 30 | | Page 32 |
| 1 | that they had a sound foundation. They used | 1 | know, they're so unique. So, there were a |
| 2 | assumptions that were solid. They were | 2 | lot of – there are a lot of reasons for |
| 3 | using information that was reasonably | 3 | that. And there's a fairly high level of |
| 4 | current. So, we decided it wasn't anymore | 4 | variability in those costs from plant to |
| 5 | conceptual. It really was pretty well | 5 | plant too. You know, the – you have adjust |
| 6 | founded. | 6 | for size because there's not a linear |
| 7 | So, the issue became not so much kind | 7 | relationship, for example, between the |
| 8 | of saying is the structure of the estimate | 8 | number of people it takes to run a plant and |
| 9 | any good. It was. Are the assumptions wide | 9 | the megawatts or the megawatt hours it |
| 10 | open? They weren't. It was really more a | 10 | produces. So, it's a difficult exercise to |
| 11 | question of now we can dig into each | 11 | do that with these kinds of assets, |
| 12 | specific assumption, question it and see if | 12 | particularly with the mix of assets involved |
| 13 | refinements are possible. So, I'd say our | 13 | in LCP because your O&M budget is not just |
| 14 | process was more saying how can we, if | 14 | Muskrat Falls. |
| 15 | possible, refine this estimate in a way that | 15 | MR. O'BRIEN: |
| 16 | would have an effect on the costs. | 16 | Q. And that wasn't your main analysis, a |
| 17 | MR. O'BRIEN: | 17 | benchmark? |
| 18 | Q. And did you do any sort of benchmarking sort | 18 | MR. ANTONUK: |
| 19 | of based on the cost of construction and | 19 | A. No, it - |
| 20 | that kind of thing, the project? Is that | 20 | MR. O'BRIEN: |
| 21 | something that happens? Did look at O&M | 21 | Q. Just your sanity check? |
| 22 | costs? | 22 | MR. ANTONUK: |
| 23 | MR. ANTONUK: | 23 | A. That's correct. |
| 24 | A. As came up yesterday with the sanity check | 24 | MR. O'BRIEN: |
| | that we talked about, we did do some | 25 | Q. And I guess in the end, in terms of those |
| 25 | | | |

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| | Page 33 | | Page 35 |
| 1 | costs, customers would be looking at paying | 1 | suggestions on the table in real – you know, |
| 2 | actual costs anyway in future and I believe | 2 | real savings suggestions, but in the final |
| 3 | you did speak yesterday about a number of | 3 | analysis, we didn't just use anything they |
| 4 | things, processes the Board could do if this | 4 | gave us. |
| 5 | is regulated to look at those costs as to | 5 | MR. CELLARS: |
| 6 | whether or not they're reasonable. Is that | 6 | A. That's correct. |
| 7 | fair? | 7 | MR. ANTONUK: |
| 8 | MR. ANTONUK: | 8 | A. We processed it through our own analysis. |
| 9 | A. Yes. | 9 | MR. O'BRIEN: |
| 10 | MR. O'BRIEN: | 10 | Q. And were there any areas where you differed? |
| 11 | Q. The reductions that you noted, the 12 | 11 | Where they might have said well, that's not |
| 12 | million dollars, I guess, in total it's | 12 | an area where you can see savings or vice |
| 1 | | | • |
| 13 | in that range – am I right in understanding | 13 | versa, that you can re-cost (sic.)? |
| 14 | that Nalcor was given a mandate to try to | 14 | MR. ANTONUK: |
| 15 | come up with 12 million dollars in reduction | 15 | A. I don't. Kevin, do you recall any? |
| 16 | in that area? | 16 | MR. CELLARS: |
| 17 | MR. ANTONUK: | 17 | A. Yeah, I think the contingency area John |
| 18 | A. I know there was a mandate. I don't know | 18 | talked about I think yesterday was an area |
| 19 | what the number was. | 19 | where we probably differed somewhat and some |
| 20 | MR. O'BRIEN: | 20 | timing of some of the reductions. But, as |
| 21 | Q. Okay. | 21 | John indicated, we did a line-by-line review |
| 22 | MR. ANTONUK: | 22 | of that estimate back from the original |
| 23 | A. I'm sure I knew it at one time. It doesn't | 23 | estimate to three generations of it. We |
| 24 | it didn't stick with me. It wasn't | 24 | looked at the drivers of those costs. We |
| 25 | something that we considered and I don't | 25 | even dove deeply into the environmental |
| | Page 34 | | Page 36 |
| 1 | know if that number came out before or after | 1 | costs. So that speaks to your benchmarking. |
| 2 | anything we did. It wasn't a factor to us. | 2 | The environmental costs here were so unique |
| 3 | MR. O'BRIEN: | 3 | that it'd be hard to do some benchmarking |
| 4 | Q. And I guess that's really the point of my | 4 | here. But there was benchmarking done by |
| 5 | question, just wondering whether or not your | 5 | other consultants in some of the numbers of |
| 6 | process was to look at that figure and | 6 | people. We reviewed all that. So, there |
| 7 | verify that's an appropriate reduction or | 7 | were recommendations we did make that were |
| 8 | did you look at areas that Nalcor suggested | 8 | different than theirs. And as John had |
| | • | | |
| 9 10 | to you as areas to reduce or was this your own process? How did that work? | 9 10 | indicated, we agreed with some and disagreed |
| 1 117 | | | with some |
| | • | | with some. |
| 11 | (9:30 a.m.) | 11 | MR. ANTONUK: |
| 11 12 | (9:30 a.m.) MR. ANTONUK: | 11 12 | MR. ANTONUK: A. I think what we – you know, we may know |
| 11 12 13 | (9:30 a.m.) MR. ANTONUK: A. Oh, I think it's – it was our own process, | 11 12 13 | MR. ANTONUK: A. I think what we – you know, we may know where they – where we – when our discussions |
| 11 12 13 14 | (9:30 a.m.) MR. ANTONUK: A. Oh, I think it's – it was our own process, but we certainly worked very closely with | 11 12 13 14 | MR. ANTONUK: A. I think what we – you know, we may know where they – where we – when our discussions ended, we might have known their last |
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| 11 12 13 14 15 16 | (9:30 a.m.) MR. ANTONUK: A. Oh, I think it's – it was our own process, but we certainly worked very closely with the folks who know the estimate from a financial perspective and the folks whose | 11 12 13 14 15 16 | MR. ANTONUK: A. I think what we – you know, we may know where they – where we – when our discussions ended, we might have known their last statements and our last statements. I think you really need to ask – it's worth asking |
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| 1 | might be disagreements about the pieces. I | 1 | pretty substantial technical technological |
| 2 | suspect they'll have a sense of that though. | 2 | issues and allowing that form of |
| 3 | MR. O'BRIEN: | 3 | integration, but I'm optimistic that we're |
| 4 | Q. Those are all the questions I have for this | 4 | going to work through those and we're going |
| 5 | panel, Madame Chair. | 5 | to start to create, even at the T&D level, |
| 6 | CHAIR: | 6 | some interesting and important means of |
| 7 | Q. Thank you, Mr. O'Brien. Who are we going to | | competition, increased customer choice, |
| 8 | next? The Island Industrial Customers or | 8 | increased customer benefits. |
| 9 | Consumer Advocate? | 9 | With respect to transmission, I think |
| 10 | GREENE, Q.C.: | 10 | we already talked about the fact that we're |
| 111 | Q. Consumer Advocate, Madame Chair. | 11 | doing a lot to strengthen interties. I'm |
| 12 | CHAIR: | 12 | not sure we've been very smart about |
| 13 | Q. So, Mr. Browne. | 13 | subjecting them to the right kind of |
| 14 | BROWNE, Q.C.: | 14 | economic analysis all the time, but I'm |
| 15 | = | 15 | comfortable with that because I think we're |
| 16 | Q. Thank you. Thank you, Madame Chair and | 16 | |
| 17 | Panel. And members of the panel, we | 17 | moving in the right direction there, which |
| | generally agree with your findings and are | I | is to allow generation to reach farther, a |
| 18 | pleased that you entered into so many areas | 18 | greater population, and the more it does |
| 19 | which will certainly be of assistance to – | 19 | that that means the more competitive choice |
| 20 | ultimately, I guess, to the Government in | 20 | that will exist. |
| 21 | following the Board's recommendation in | 21 | I have a lot of concern about the |
| 22 | assisting consumers to find a ways and means | 22 | energy supply business. Prices are very |
| 23 | to have affordable electricity. | 23 | low. We have a lot of sources of |
| 24 | In terms of an overview, everything has | 24 | generation. They are sources that, on the |
| 25 | context. How are the electricity markets | 25 | whole, are less carbon intensive, primarily |
| | Page 38 | | Page 40 |
| 1 | doing in the United States right now and can | 1 | natural gas. I think surprisingly you'll |
| 2 | you comment in terms of the future? Where | 2 | find that the biggest carbon reductions in |
| 3 | are energy markets headed generally in the | 3 | the world are occurring in the US |
| 4 | future, just from your own knowledge? And | 4 | electricity industry and it's primarily |
| 5 | you all have healthy resumes and I'm sure | 5 | through the substitution of natural gas for |
| 6 | you could comment on that. | 6 | |
| 7 | MR. ANTONUK: | | coal. The problem we have there right now |
| 1 ' | | 7 | coal. The problem we have there right now is that a lot of the people in the energy |
| 8 | A. Wow. I'm going to start with the | 7 8 | · |
| 8 9 | | l | is that a lot of the people in the energy |
| 1 | A. Wow. I'm going to start with the | 8 | is that a lot of the people in the energy business or trading business, generation |
| 9 | A. Wow. I'm going to start with the transmission and distribution side. I think | 8 9 10 | is that a lot of the people in the energy business or trading business, generation business, are struggling because prices are |
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MR. ANTONUK:

Page 41 we're going to move towards clean sources of energy. I think it's a very open question of whether there will be room for many – for new entrants in the business and the fact that the existing entrants are struggling suggests to me that we face, not in the near term but in the longer term, a shortening of what is now an amble and fairly economical source of supply.

Overriding all of this is where we and the rest of the world come out on production of carbon. I think that that's an issue whose outcome I have no ability to foresee, but I think it has the potential for more fundamental changes in the energy market then I've ever lived through, as someone who's been in this business for closing in on 40 years now. I'm sorry, that probably was pretty longwinded, but that's it. BROWNE, Q.C.: Does anyone else have something to offer in terms of where you see the future, in terms of energy, electric, electric versus natural gas, the competitive American market

is installation of the source of supply and you're just not – you're not seeing the ability to make the kind of returns with extremely low gas prices that would make the market as rich as it was. We had a literal explosion of new – I shouldn't say it that way. We had a vast increase in natural gas supplied resources. It was very healthy. And I think the problem is this is what happens with competition, you know. Everybody's chasing a good deal 'til they make it a bad deal. So, you can still get into the business. I mean, the barriers to entry are low in the sense of you can – just about anybody who has the money can build a plant, but the barrier is trying to get enough revenue to justify the cost of it and the best evidence that that's problematic is this is all the major players in the game pretty much are reducing – projecting significant reductions in their investment on the generation side of the business now. Exelon.

MR. CELLARS: 24

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Page 42

25 PS. Α.

DR. LETZELTER:

pricing?

1 2 To put the future into context you have to A. 3 look at where the US power markets are over 4 the past decade. Thanks largely to 5 fracking, natural gas prices are at 6 extremely low price levels and since in most 7 of the mature competitive power markets in 8 the US, PJM, the New York ISO, ISO New 9 England, ERCOT, and the CAL ISO, a lot of 10 the time energy prices in these markets are 11 set by gas-fired units and with gas prices 12 so low, we've seen extremely depressed power prices. And there's no reason to believe 13 14 that the gas commodity and delivered prices 15 are going anywhere much higher than they are 16 in the foreseeable future, which means that power prices will continue to remain at 17 18 fairly low levels from an historical 19 standpoint. 20 BROWNE, Q.C.: 21 So, when you said – one of you said there's O. 22 no room probably for new entrants into the

market. What does that mean?

Well, with prices so low, the cost of entry

MR. ANTONUK:

A. Yeah. They're all cutting back because they all see basically a glut of capacity and natural gas prices that are so low that they foreclose pretty much any other option, except options that will continue to have value because we will support them kind of despite higher costs. We're supporting them because they're reducing carbon production basically.

> So, the market is still probably pretty good for people who can find a way to provide solar and wind, but for those who are supplying traditional sources, I think they're struggling with what their future is and frankly, a lot of them are actually turning towards investment in their utility operating companies.

> I told you a little bit ago, I was happy to see infrastructure development because I think it was solving a big problem we had, but you can go too far there too. You know, if I'm a - if I have a generation and trading business and a utility business and I can't put my cash flow into the

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|---|---|--|---|
| | Page 45 | | Page 47 |
| 1 | generation, where do I end up starting to | 1 | we're wrestling very mightily with the |
| 2 | put too much into the T&D side. So we may | 2 | balance between the threat that carbon |
| 3 | actually be moving into that position in the | 3 | produces and the need to sustain a strong |
| 4 | US where we're gold plating the T&D systems | 4 | economy and I don't know who's going to win |
| 5 | because the affiliates who are in the energy | 5 | that wrestling match, to be honest with you. |
| 6 | and generation business don't find | 6 | I'm not sure where I come out on it, to be |
| 7 | investment there as attractive as they did | 7 | very candid with you. I think it's almost |
| 8 | over the last ten years anyway. | 8 | an existential threat and even if it's not |
| 9 | BROWNE, Q.C.: | 9 | so from a climatological point of view, it |
| 10 | Q. So, it's a fair comment that there wouldn't | 10 | is from an industry structure point of view |
| 11 | be too many in the United States that are | 11 | for sure. I'm just kind of out investment |
| 12 | building large hydroelectric projects right | 12 | in the energy business. |
| 13 | now? | 13 | BROWNE, Q.C.: |
| 14 | MR. ANTONUK: | 14 | Q. And yes, anecdotally, we hear that large |
| 15 | A. I can't think of any. I can't think of any. | 15 | companies such as Hydro Quebec are having |
| 16 | BROWNE, Q.C.: | 16 | difficulties securing contracts. People |
| 17 | | 17 | prefer the spot market. Is that correct? |
| 18 | Q. And it's because of this natural gas competition that's out there and the cost of | 18 | MR. ANTONUK: |
| 19 | * | 19 | |
| | building versus the cost of producing | | A. I don't know about Hydro Quebec specifically, but I do know that the spot |
| 20 | natural gas and - MR. ANTONUK: | 20 | |
| 21 | | 21 | markets are – there's heavy use of them and |
| 22 | A. There's no doubt that natural gas prices are | 22 | I think they're not considered as risky as |
| 23 | going to become so low and the competition | 23 | they were before because of the nature of |
| 24 | in competitive markets is so great that | 24 | the relationship between supply and demand |
| 25 | hydro is not the bargain it used to be. | 25 | in our country. I can't – I don't – I think |
| 1 | Page 46 | | Page 48 |
| 1 | That's for sure. And there's risk, you | 1 | it would be presumptuous to speak for |
| 2 | know. If you build the plant, even if it | 2 | Canada. We haven't looked at that aspect of |
| 3 | looks cheap by comparison, it's still hard | 3 | the iggue north of the friendly line that |
| | | | the issue north of the friendly line that |
| 4 | to find folks who are kind of building on | 4 | divides us. |
| 5 | spec. In other words, trusting to the | 4 5 | divides us. (9:45 a.m.) |
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| | Page 49 | | Page 51 |
| 1 | business. | 1 | saying in our quarterly reports, we've lost |
| 2 | You know, we just had a major | 2 | confidence in the ability to have faith in a |
| 3 | bankruptcy by a company called First Energy | 3 | firm date. There have just been too many, |
| 4 | and the last I heard, they were having | 4 | too many misses. The problems are still |
| 5 | trouble selling their assets. So, it's | 5 | pretty substantial. And again, I say that |
| 6 | likely those assets are going to shut down. | 6 | without intention of saying that I think – |
| 7 | So, what does that mean in the long term? | 7 | I'm not intending to say management's not on |
| 8 | Anybody's guess, I think. | 8 | top of it and when we meet with them, it's |
| 9 | BROWNE, Q.C.: | 9 | clearly as big a concern as they have in |
| 10 | Q. When you're talking about the future, future | 10 | running the business. But, no, I don't |
| 11 | is a large word, are we talking 5, 10, 15 | 11 | think I have an ability to state with |
| 12 | years? When will we see some level of | 12 | confidence when we think the LIL will be |
| 13 | certainty in reference to pricing or will we | 13 | fully functional. I think we're about due |
| 14 | ever? There's a new game in town, I guess, | 14 | to start – every time I think we just |
| 15 | | 15 | * |
| | in reference to fracking and what that does | | finished the last quarter, another one's |
| 16 | for the business, period. | 16 | starting. So, we're going to be looking |
| 17 | MR. ANTONUK: | 17 | again beginning, I guess, in a couple of |
| 18 | A. Yeah. I think Jim's right. I think the | 18 | weeks. So, we will be issuing another |
| 19 | consensus is pretty clear that gas prices | 19 | report in the reasonably near future on that |
| 20 | are down to stay and I'm not – I used to be | 20 | and I hope we'll be able to say that |
| 21 | a Pennsylvanian and we produce a heck of a | 21 | management sees the light at the end of the |
| 22 | lot of it. So, I'm not sure I'm happy about | 22 | tunnel and the light's bright enough to |
| 23 | that. But that's – I think that's the | 23 | conclude that it's just around the corner. |
| 24 | reality. So, I think gas is really going to | 24 | BROWNE, Q.C.: |
| 25 | set a very, very high bar because of its | 25 | Q. Because from our perspective, from a rate |
| | , , , E | 23 | Q. Because from our perspective, from a rate |
| | Page 50 | 23 | Page 52 |
| 1 | Page 50 price is staying so low. Again, I think | 1 | Page 52 payers perspective, and I guess from what |
| 1 2 | Page 50 | 1 2 | Page 52 payers perspective, and I guess from what we're doing here, until the LIL is |
| 1 | Page 50 price is staying so low. Again, I think | 1 | Page 52 payers perspective, and I guess from what |
| 1 2 | Page 50 price is staying so low. Again, I think what's really the big factor that's going to | 1 2 3 4 | Page 52 payers perspective, and I guess from what we're doing here, until the LIL is |
| 1 2 3 | Page 50 price is staying so low. Again, I think what's really the big factor that's going to change is whether we do or don't expand the | 1 2 3 | Page 52 payers perspective, and I guess from what we're doing here, until the LIL is operational and there's electricity coming |
| 1 2 3 4 | Page 50 price is staying so low. Again, I think what's really the big factor that's going to change is whether we do or don't expand the percentage of energy production that we | 1 2 3 4 | Page 52 payers perspective, and I guess from what we're doing here, until the LIL is operational and there's electricity coming down, we are effectively dependent still on |
| 1 2 3 4 5 | Page 50 price is staying so low. Again, I think what's really the big factor that's going to change is whether we do or don't expand the percentage of energy production that we demand to be produced from non-carbon producing sources. | 1 2 3 4 5 | Page 52 payers perspective, and I guess from what we're doing here, until the LIL is operational and there's electricity coming down, we are effectively dependent still on Holyrood and on oil, and what transpires there, but you also mentioned here a few |
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| | Page 53 | | Page 55 |
| 1 | electricity to the island and to the Avalon | 1 | this point to go into a lot of detail, but I |
| 2 | Peninsula, that we still might need | 2 | think at a high level if you identify what |
| 3 | Holyrood? | 3 | you found the potential options were without |
| 4 | MR. ANTONUK: | 4 | any knowledge of what the current |
| 5 | A. That is not inconceivable. I don't think | 5 | discussions are, because Liberty has not |
| 6 | I'm in a position to say whether it's | 6 | been involved and has not been informed of |
| 7 | probable or not, but it's certainly not | 7 | any of the specifics of any of the |
| 8 | inconceivable. | 8 | discussions, nor has the Board. |
| 9 | BROWNE, Q.C.: | 9 | MR. ANTONUK: |
| 10 | Q. In reference to your report, initially in | 10 | A. Okay. |
| 11 | your report part of what you were studying | 11 | GREENE, Q.C.: |
| 12 | in the first phase of your report was | 12 | Q. So if you stay at a high level without |
| 13 | financing, the federal and provincial | 13 | getting into numbers, we should be fine. |
| 14 | governments, and the possibilities there and | | BROWNE, Q.C.: |
| 15 | it's referenced in Phase 1 of your report. | 15 | Q. And if we could do a general number, I'm not |
| 16 | I think it's page 11, if we can just go to | 16 | interested in breaching any kind of |
| 17 | that, page 11 of your report and the first | 17 | confidentiality which may or may not be |
| 18 | phase. So we're in Phase 2 now, Madam | 18 | there in reference to these, a lot of them |
| 19 | Clerk. If you can go to Phase 1, on Phase | 19 | have been publicly discussed, so Sinking |
| 20 | 1, you were looking there at various | 20 | Funds certainly have been discussed for a |
| 21 | financing options and you had these there | 21 | while and that it's one covenant that could |
| 22 | because, I guess, you anticipate, or the | 22 | be looked at. |
| | | 23 | |
| 23 | Board anticipated that the federal and | 23 24 | GREENE, Q.C.: O Ves and the fact that it could be leaked |
| 24 | provincial governments would be studying | 25 | Q. Yes, and the fact that it could be looked |
| 25 | these and, therefore, you were given a | 25 | at, but unfortunately the information as to |
| Ι. | Page 54 | | Page 56 |
| 1 | directive not to study them any further to | 1 | the amount and the impact it would have is |
| 2 | avoid duplication, but from what you knew | 2 | available in the confidential information |
| 3 | from Phase 1, what are the possibilities, | 3 | and remember there was two days notice |
| 4 | what would the federal and provincial | 4 | required if you wanted to get into the |
| 5 | governments be looking at in terms of ways | 5 | specifics of what the numbers are. So if |
| 6 | to, I guess, defer or bring down rates or | 6 | you want to pursue it further, you would |
| 7 | find some money to deal with in the short | 7 | have to raise that issue with the Chair and |
| 8 | term so we can mitigate against rates and | 8 | we would have to decide how the process |
| 9 | probably postpone something for down the | 9 | would continue from here if you want the |
| 10 | road. One of the things you state you're | 10 | numbers. |
| 11 | looking at is Sinking Fund Payments. | 11 | BROWNE, Q.C.: |
| 12 | Exactly how would that work? | 12 | Q. Well, maybe we could do it in a general |
| 13 | MR. ANTONUK: | 13 | fashion. If we're talking 50, 100, or 200 |
| 14 | A. I have to $-$ I'm not hesitating because I | 14 | million or in that vicinity, we can do |
| 15 | don't have an answer. I just want to make | 15 | vicinities as opposed to specifics because, |
| 16 | sure that I'm on solid ground with respect | 16 | I guess, the specifics change anyway. So |
| 17 | to what's public and not, so as soon as I | 17 | just to get on with this, rate payers need |
| 18 | get the green light, I'll go for it. | 18 | to know, people are looking for certainty |
| 19 | GREENE, Q.C.: | 19 | out there. It's not just a matter of the |
| 20 | Q. It may help if I clarify. Certain | 20 | reference to the Board and the Board giving |
| 21 | information in terms of dollar amounts are | 21 | government. People are curious as to how |
| 22 | only available on a confidential basis, but | 22 | this is going to occur, and is this a song |
| 1 | in terms of what the options are, they are | 23 | and dance that's being done between the |
| 23 | in terms of what the options are, they are | | and dance that b being done between the |
| 23 24 | - · · · · · · · · · · · · · · · · · · · | 24 | |
| | in your Phase 1 report. I'm not sure how helpful the commissioners will find it at | | federal and provincial governments, or are there real opportunities here to mitigate. |

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| 1 So that's where I'm coming from to ensure | 1 | yesterday. I think that's real Slide 15. |
| 2 rate payers out there that there are real | 2 | While she's doing that, think of Sinking |
| 3 possibilities here, and one such possibility | 3 | Funds as payments made early that have the |
| 4 probably would be the Sinking Fund payments | 4 | effect of reducing payments you will make |
| 5 If you could just generally describe the way | 5 | later. So thinking of Sinking Funds as |
| 6 Sinking Fund Payments work, and we've all | 6 | moving mitigation around not necessarily |
| 7 seen the covenants, the agreements are all | 7 | increasing it. If you look at this chart, |
| 8 out there publicly. The loan guarantees and | 8 | you'll see the mitigation line goes up quite |
| 9 the various financial instruments are there, | 9 | substantially, and what that means there's a |
| they're out there. So can you just comment | 10 | corresponding rate effect. Because it goes |
| generally what the real possibilities are? | 11 | up late, we have a large – even after |
| 12 Maybe that's the way we can approach and | 12 | mitigation, we have a large spike in rates. |
| 13 everyone be in general agreement, is that | 13 | Then we have an essentially flat path, not |
| 14 okay? | 14 | even moving with inflation. So think of |
| 1 | 15 | Sinking Funds avoided in the early years as |
| | 1 | · · · · · · · · · · · · · · · · · · · |
| 16 Q. That would be – I believe, Madam Chair, that | 16 | increasing the magnitude of this line you're |
| would be consistent with the process that | 17 | seeing in the early years, and then in turn |
| 18 we've outlined. | 18 | decreasing it in the later years. There's |
| 19 MR. ANTONUK: | 19 | not a net. There's not much of a net gain |
| 20 A. Randy, can you describe basically how the | 20 | or loss. It's just when you get it. What |
| 21 Sinking Funds work? I think we should stay | 21 | you would do with the financial alternative, |
| 22 away from amounts, right, and then I'll try | 22 | Sinking Funds among them, would be to try to |
| to pick up and tell you how we might use | 23 | move the time when financial payments would |
| 24 something like Sinking Funds to sort of, | 24 | be made later when there are other larger |
| what I'll say, manage the future rate path. | 25 | sources of mitigation available. So on the |
| Page 58 | | Page 60 |
| 1 So can you just describe, without numbers, | 1 | whole, you wouldn't be saving customers |
| what the Sinking Funds are doing? | 2 | money, you would rather be producing a rate |
| 3 MR. VICKROY: | | |
| J MIK. VICKKOI. | 3 | * * |
| | 3 4 | increase path that looks a lot more like |
| 4 A. The Sinking Funds are established in the | 4 | increase path that looks a lot more like you'd see for a utility whose costs are just |
| 4 A. The Sinking Funds are established in the debt agreements, and basically the idea of | 5 | increase path that looks a lot more like you'd see for a utility whose costs are just moving with inflation, let's say. So that |
| 4 A. The Sinking Funds are established in the debt agreements, and basically the idea of the Sinking Fund Payment is to set aside in | 4 5 6 | increase path that looks a lot more like you'd see for a utility whose costs are just moving with inflation, let's say. So that was the goal of looking at those kind of |
| 4 A. The Sinking Funds are established in the 5 debt agreements, and basically the idea of 6 the Sinking Fund Payment is to set aside in 7 escrow funds for the repayment of the bonds | 4 5 6 7 | increase path that looks a lot more like you'd see for a utility whose costs are just moving with inflation, let's say. So that was the goal of looking at those kind of alternatives. We weren't going to save more |
| 4 A. The Sinking Funds are established in the 5 debt agreements, and basically the idea of 6 the Sinking Fund Payment is to set aside in 7 escrow funds for the repayment of the bonds 8 at maturity. Now the Sinking Funds in this | 4 5 6 7 8 | increase path that looks a lot more like you'd see for a utility whose costs are just moving with inflation, let's say. So that was the goal of looking at those kind of alternatives. We weren't going to save more money. We were just going to be able to |
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October 4, 2019 Page 61 amount that the province needs for Muskrat 1 2 Falls, is that a fair comment? 3 MR. ANTONUK: 4 That would reduce what it needs to pay on 5 the current basis, but it would move the 6 obligation to pay it back, and the central 7 point being, as Randy said, and I think you 8 just said, that's essentially between the 9 federal government and us because it exists 10 to give the federal government greater comfort that the project will produce the 11 12 revenues needed ultimately to pay back the debt. So if the government is willing to 13 14 see that its risk position isn't changed much by losing those, or if it's willing to 15 take additional risk if it sees it, then 16 changes in Sinking Funds would become an 17 18 option, not to increase the benefit to customers, but to provide it sooner. 19 BROWNE, Q.C.: 20 21 In addition to Sinking Funds, what else 22 would they be looking at generally in these agreements? Would they be looking at 23 24 interest payments? 25 MR. ANTONUK: Page 62

1 agreements by other parties or debt holders. 2 It really would be a deal that could be made 3 between basically us and the federal 4 government, "us" meaning the province. 5 BROWNE, Q.C.:

I think there's been a publicly stated O. figure in the vicinity of 200 million of the 750 million that's required in the first year of Muskrat Falls that could be applied to that. So that would be a general figure that obviously the province has stated, so it might be a provincial objective.

MR. ANTONUK:

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- Α. Yeah, I don't know what that 200 is, whether that's cash on the table, whether that's some kind of support, but the options that we're talking about are not necessarily confined to making 200 million dollars available. Again what we're talking about would not require any direct contribution from the federal government. With Sinking Funds, it would require the federal government to say I'm not going to force you to make them.
- 25 BROWNE, Q.C.:

A. Principally, it would be the amount of increase in the amount of debt that's allowable under those agreements. By issuing debt now, it would probably take federal guarantees to make that rate attractive, and then applying those monies to lower rates now, rates would be somewhat higher later, not by much. So on a net basis, you wouldn't be increasing the benefit, but again you would be producing a more typical future rate path rather than kind of requiring a big jump now and then kind of keeping rates flat for quite a long

BROWNE, Q.C.:

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So there are possibilities within those O. agreements which will be of assistance ultimately in the larger picture for rate mitigation for the present generation of rate payers. Is that a fair comment? MR. ANTONUK:

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22 Yes, that is fair, and they would require A. 23 the federal government's agreement and participation, but unlike breaking up the 24 PPA and the TFA, it would not require 25

1 Q. Yes. 2 MR. ANTONUK:

> With respect to the other option, which is increasing debt to allowable levels under the agreements, I believe there to make it economically attractive, it probably would require a federal guarantee, but again none of that would be direct cash out of the federal government's pocket today. If it has any effect on the federal government really is a matter of whatever risk it puts on the federal government relative to nonpayment of either the current debt or any debt that would be issued in addition.

BROWNE, Q.C.:

O. So that would obviously be one large financial measure that could assist overall in finding some contribution, a larger contribution toward the 750 million, and there are other ways, some of which you have in your report – well, most of which you have in your report, but you didn't study oil and gas and what revenues Nalcor have in reference to oil and gas because that was outside the Board's mandate, or perceived as

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| | ber 4, 2019 | | Muskrat Falls - Rate Mitigation Review |
|---|--|--|---|
| | Page 65 | | Page 67 |
| 1 | being outside the Board's mandate. Is that | 1 | filing by Nalcor. I just want to put on the |
| 2 | true? | 2 | record that the oil and gas mandate from the |
| 3 | MR. ANTONUK: | 3 | perspective of the Board was not part of the |
| 4 | A. That is correct. The basis on which we | 4 | reference questions from the government |
| 5 | conducted our study was that we were not | 5 | addressing options in the electricity |
| 6 | asked to look at whether mitigation sources | 6 | industry in the province. |
| 7 | from oil and gas were available. I don't | 7 | BROWNE, Q.C.: |
| 8 | know that it was so much there was a direct | 8 | Q. Yeah, we all are aware of that because we |
| 9 | exclusion of anything, but there was a | 9 | all got the letter from the Board stating |
| 10 | direct statement of what we were supposed to | 10 | that, but nonetheless, from a rate payers |
| 11 | do is the way I view it. | 11 | perspective, if Nalcor or Hydro are telling |
| 12 | BROWNE, Q.C.: | 12 | rate payers that there is 2.4 billion, I |
| 13 | Q. And in terms of oil and gas, did you have | 13 | think they used, available, although they |
| 14 | discussions with Nalcor or Hydro regarding | 14 | didn't give a period of time for that, we |
| 15 | their oil and gas revenues? | 15 | note, and granted I take the comments of my |
| 16 | MR. ANTONUK: | 16 | learned friend that they can address is |
| 17 | A. Not their revenues, no. I profess complete | 17 | better because they're the ones that made |
| 18 | ignorance as to what they even are at a | 18 | the comments, but where we're into rate |
| 19 | · | 19 | mitigation and if there is a funding out |
| 1 | general level. | | there of 2.4 billion dollars which Nalcor is |
| 20 | BROWNE, Q.C.: | 20 | |
| 21 | Q. Because we had some comments from Nalcor and | 1 | saying should be on the table, I think it's |
| 22 | Hydro in their most recent filings, sort of | 22 | not irrelevant to what we're doing here. |
| 23 | an admonition, you were being admonished for | 23 | CHAIR: |
| 24 | not looking at oil and gas. Is that not | 24 | Q. I would agree, Mr. Browne, but I think, as |
| 25 | true? Did you see that, did you observe | 25 | Mr. Young said, you can ask Hydro. |
| , | Page 66 | , | Page 68 |
| | that? | | BROWNE, Q.C.: |
| 2 | MR. ANTONUK: | 2 | Q. Pardon, Madam Chair? |
| 3 | A. Yeah, I saw the statement. I couldn't tell | 3 | CHAIR: |
| 4 | if we were intended to take it personally or | 4 | Q. I agree, but you can ask Hydro perhaps next |
| 5 | not. | | |
| | TIOIDIC O C | 5 | week or Nalcor next week. |
| 6 | YOUNG, Q.C.: | 6 | week or Nalcor next week. BROWNE, Q.C.: |
| 7 | Q. Well, you could - | 6 7 | week or Nalcor next week. BROWNE, Q.C.: Q. Sure. |
| 7 8 | Q. Well, you could - MR. ANTONUK: | 6 7 8 | week or Nalcor next week. BROWNE, Q.C.: Q. Sure. YOUNG, Q.C.: |
| 7 8 9 | Q. Well, you could -MR. ANTONUK:A. It was a statement, you know, there was not | 6 7 8 9 | week or Nalcor next week. BROWNE, Q.C.: Q. Sure. YOUNG, Q.C.: Q. Thank you, Madam Chair. We certainly will |
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Page 69 Page 71 given terms of reference, some further CHAIR: 1 1 2 instructions, and has to make decisions 2 O. Yeah. 3 about this. So we're certainly willing to 3 GREENE, Q.C.: 4 4 It might have been nicer to know even act within that. 5 5 earlier. GREENE, Q.C.: 6 I would like to respond to that, Madam 6 BROWNE, O.C.: O. 7 Chair. I would point out that no 7 I take your point. We would have enjoyed O. 8 information was provided by Nalcor 8 finding that out as well. 9 9 throughout the reference period with respect CHAIR: 10 to any information on oil and gas, whether 10 Q. It still doesn't change our terms of the forecast were dividends, so Liberty has 11 11 reference, though. 12 not had the opportunity to review the 12 BROWNE, Q.C.: 13 information to determine whether it's 13 So thank you, and we'll take Nalcor at its Q. 14 realistic. They do not know what's 14 word and Hydro that they will take us on a 15 available by year or over the entire period. 15 side trip in reference to that when they 16 So when we say we're going to ask questions, 16 give evidence because for all of us here it I do want to make it clear on the record will be interesting information. 17 17 YOUNG, Q.C.: 18 that that information was not provided by 18 19 Nalcor at any time during the process, nor 19 Madam Chair, I don't think that was what we Q. did Liberty have the opportunity to analyze 20 20 said. I think we said when we provided the 21 it, nor were they asked to analyze it. So I 21 information, it was done in good faith. 22 just caution as to the level of detail we 22 It's now clear that that's not part of the reference, and I don't expect, and I'd like 23 should and can get into next week about oil 23 24 24 to be set straight on this, but I don't and gas. 25 CHAIR: 25 expect that this will be a matter discussed Page 70 Page 72 1 Q. I would expect it will just be at a general 1 next week by Hydro's witnesses and Nalcor's 2 level, and I would go farther to say, as we 2 witnesses. 3 indicated in our correspondence, we're not 3 CHAIR: 4 going to be addressing it in our report. 4 My point is, I don't think we need to have Q. 5 5 BROWNE, Q.C.: this discussion here with our consultants on 6 Yes, and I understand. I understand why the stand. Carry on, Mr. Browne, please. Q. 6 7 because you didn't get an opportunity to 7 BROWNE, Q.C.: 8 delve into it, but at the same time it seems 8 Thank you, Madam Chair. In your final Q. 9 to be a late offering that's been dropped 9 report, and I think it's page 22, if we can 10 into this proceeding. 10 go to that, you make reference to Hydro's 11 11 rate of return, and Hydro's rate of return CHAIR: 12 is guaranteed to be the same as Newfoundland 12 O. And promptly removed by the Board's directive. Power's rate of return because of an Order 13 13 BROWNE, O.C.: 14 in Council. You might call it a Fiat, and 14 15 15 Sure. So from a rate payers perspective, the Order in Council, as you know, tags 16 we're very interested in anyone who says 16 Newfoundland Power's efficient rate of there could be 2.4 billion that should have return because Newfoundland Power is a 17 17 18 been considered for rate mitigation. 18 private utility, and they go through Board 19 CHAIR: 19 scrutiny in reference to all matters in 20 Q. It's not something the provincial government 20 order to get their rate of return. Hydro doesn't have to do any of that. Hydro just can't – they don't have to ignore it. They 21 21 22 can take it up as part of their discussions, 22 takes it sort of a "me too, we get it as 23 but we won't be dealing with it. 23 well". Whether they earn it or not is 24 BROWNE, Q.C.: 24 another matter. Are you suggesting that 25 Sure. It's nice to know, though. 25 Hydro should have to actually earn its rate

| Page 73 1 of return and be awarded a rate of return by 2 this Board other than by way of an Order in 3 Council? 4 MR. ANTONUK: 5 A. I'll say we did not think of it in that Page 73 1 the New York Power Author 2 biggest in the country. So we generally see are two things to how much in funds from ope to make your debt remain att | |
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| 2 this Board other than by way of an Order in 3 Council? 3 Generally see are two things to 4 MR. ANTONUK: 4 bow much in funds from ope | Page 75 |
| 3 Council? 3 generally see are two things to 4 MR. ANTONUK: 4 how much in funds from ope | • / |
| 4 MR. ANTONUK: 4 how much in funds from ope | |
| 1 | |
| 5 A 1/11 gary year did not think of it in that 5 to make years debt nome in att | |
| 5 A. I'll say we did not think of it in that 5 to make your debt remain att | ractive and make |
| 6 context, so give me a minute to think of it 6 the debt financial community | comfortable |
| 7 in that context. Let me tell you how we did 7 that you're self-sustaining. | And then the |
| 8 approach it, and then I'll try to get at 8 other thing you tend to do is | compare among |
| 9 your question. We approached it from the 9 the various government own | ers and use that |
| point of view of how much of that return can 10 as a leveler to say, well, if the | |
| the province afford to put to mitigation, 11 asking for a range between 7 | to 9, that's |
| and we tried to sort of do that from two 12 how you end up saying that's | · |
| bases. One is using the objective Hydro has 13 reasonable. But I think even | |
| and then kind of saying what would happen if 14 "reasonable" is difficult there | |
| we thin that objective. So we did not look 15 know, in theory if I were the | |
| at it from the point of view of what is a 16 municipal utility and I had a | • |
| fair return for Hydro. We just took that 17 cost source of power and the | |
| current return and said how much of it can 18 utilities all around me had to | |
| we put to mitigation. So that's just to 19 cents, I'd think I could make | - |
| 20 tell you what we did do. It is a hard 20 case of saying, well, I'm goin | |
| 21 question to answer. It is a very hard 21 ½ cents and then I'm going to | |
| question to answer. Hydro's rate of return 22 money to build roads to impr | |
| 23 from the perspective of how does it or how 23 I really think you get into a s | |
| 24 should it compare to that for an IOU, and 24 where if you go anywhere be | |
| 25 the reason is that for an IOU, the rate of 25 much equity do they need to | |
| Page 74 | Page 76 |
| 1 return needs to be set at a rate that will 1 sustaining and how much d | - |
| 2 attract the investment that is needed to 2 decide it needs to get as its | |
| 3 keep the business healthy, make investments 3 tribute, its margin, whatever | |
| 4 and such. 4 call it, I have trouble going | |
| 5 (10:15 a.m.) 5 that in terms of saying, you | |
| | · |
| 1 ** | |
| | |
| 7 don't really, we don't ever really think 7 So I tend to look at things I | compared to |
| 8 financially from the perspective of what 8 rate of return here look like | • |
| 8 financially from the perspective of what 9 rate of return here look like 9 others, and then I would tal | ke that, if I |
| 8 financially from the perspective of what 9 rate of return does the government need to 10 provide its investors, whoever they are, to 8 rate of return here look like 9 others, and then I would tal 10 were the Commission, and | ke that, if I say, well, if I |
| 8 financially from the perspective of what 9 rate of return does the government need to 10 provide its investors, whoever they are, to 11 attract money. So I don't think there's a 8 rate of return here look like 9 others, and then I would tal 10 were the Commission, and 11 reduce that return, what eff | te that, if I say, well, if I ect is it going |
| financially from the perspective of what rate of return does the government need to provide its investors, whoever they are, to attract money. So I don't think there's a way to do that under traditional principles. rate of return here look like on the provide its investors, whoever they are, to attract money. So I don't think there's a 11 reduce that return, what eff 12 to have on the ability to ear | se that, if I say, well, if I ect is it going n enough funds |
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| financially from the perspective of what grate of return does the government need to provide its investors, whoever they are, to the start money. So I don't think there's a way to do that under traditional principles. The start debt investors because the start debt investors because the start debt investors because the the start debt investors because the star | see that, if I say, well, if I sect is it going on enough funds there's a big ink you'll ever ng there is one t is too high or line there. The we enough funds astaining and |
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| financially from the perspective of what prate of return does the government need to provide its investors, whoever they are, to therefore, the way this pend attract, they've got to persuade people to lend them money. So you start from that as lend them money. So you start from that as lend them that much. Therefore, the way this always ends up getting approached is each government. I've seen this everywhere from generation and transmission get me in a position of return for Here look like others, and then I would tal were the Commission, and the others, and then I would tal were the Commission, and to the same the Commission, and to have on the ability to ear to have on the Commission, and to have on | see that, if I say, well, if I say, well, if I sect is it going on enough funds there's a big ink you'll ever ng there is one t is too high or line there. The we enough funds astaining and ecognizing the as owner, and returns, say e anything wrong |
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| Octob | er 4, 2019 | | Muskrat Falls - Rate Mitigation Review |
|-------|---|----|--|
| | Page 77 | | Page 79 |
| 1 | decided it wanted to significantly lower | 1 | move on to the next mission. I think Hydro |
| 2 | that rate for customer objectives because | 2 | paid a price for some things that we said |
| 3 | they wanted to keep rates down, I think as | 3 | were not done prudently and the Board |
| 4 | long as you give them enough funds for | 4 | agreed. So I think there is some |
| 5 | operation, you're in good shape, then I | 5 | accountability there. I think there is also |
| 6 | think it's just a matter of, you know, the | 6 | accountability when Hydro comes in for a |
| 7 | government kind of telling you in one way or | 7 | rate case, I believe the Board actually, and |
| 8 | another, however they express their pleasure | 8 | again, we didn't do this so I may be wrong, |
| 9 | or displeasure with you, I don't like that, | 9 | but I think the Board has said things like |
| 10 | because now you've taken away money I'm | 10 | your staff, "we're not accepting cost rates |
| 11 | using for hospitals or roads. So I think | 11 | based on staffing that's at your level, |
| 12 | this is a very fuzzy issue and it's not | 12 | we're knocking some out." So there is |
| 13 | driven by logic; it's really driven by a | 13 | accountability there, there's also |
| 14 | balance of assuring that the utility keeps | 14 | accountability when capital projects get |
| 15 | enough funds to be self-sustaining, figuring | 15 | reviewed. The Board has the power to say |
| 16 | out from a customer perspective what's | 16 | "No, we don't approve those expenditures." |
| 17 | affordable and then doing that all with | 17 | So I think the Board has a reasonable set of |
| 18 | reference to the fact that you need to | 18 | tools. I think I can make a theoretical |
| 19 | understand that whatever you take away form | 19 | argument that it would be good if the Board |
| 20 | that rate of return leaves the government | 20 | had more flexibility with respect to rate of |
| 21 | with a need to either adjust the level of | 21 | return, but again, even if you gave the |
| 22 | service it provides or find another funding | 22 | Board that flexibility, the Board and you |
| 23 | source for it. Sorry, bit I don't think you | 23 | know what the government is doing with its |
| 24 | can – | 24 | money and I think when you need to know that |
| 25 | BROWNE, Q.C.: | 25 | if you use that flexibility, if you had it, |
| | Page 78 | | Page 80 |
| 1 | Q. Yes, and I appreciate what you're saying, we | 1 | that if you cut the rate of return, you're |
| 2 | know why the government has set it at that | 2 | making government make some tough decisions, |
| 3 | particular rate, rate of return, but in | 3 | so I don't know if that flexibility really |
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terms of the general topic of efficiencies 5 and largesse and all that goes with that, if 6 one utility, Newfoundland Power, has to 7 bring forward all its efficiencies and show 8 where everything is and the lay of the land 9 and are scraping through to make sure that 10 they are a lean mean machine before coming 11 before the Board to even suggest a rate of 12 return or any kind of an increase or where 13 they should be, and the other utility 14 doesn't have to do any of that, what kind of 15 efficiency does that signal to the other 16 utility, to Hydro in this instance? 17 MR. ANTONUK:

18 I think it would be improper for the Board A. 19 to assure Hydro recovery of all of its cost 20 and a 8 ½ percent return regardless of 21 whether Hydro is operating prudently or not, 22 but it wasn't all that long ago we were here 23 fussing pretty hard over that and the Board, 24 I think, I usually don't look at kind of 25 what Boards do after we leave, we like to

would change much. I think it would make your life a little tougher, you know, because you'd be kind of in the middle of those things now of making that decision about, you know, what needs am I pushing off the government if I cut returns, so theoretically I like it, but I think about if I were sitting up there, I might have a different view of having to make those kind of decisions.

BROWNE, O.C.:

And it's interesting you should say that because the first time that Hydro came forward when it was put under the jurisdiction of the Board to seek a rate of return and I'm going back a ways there, but I think it's around 1996 or thereabouts, and the Board had a dilemma in setting its rate of return because of all the other things that Hydro does out there which affects government policy, but I think at the end of the day they set the rate of return of

somewhere less than 4 percent and therefore, 1 increase. So I think we tried to do what 1 2 I guess what we had was the government 2 you're saying, but we expressed it as a pod 3 involvement then trying to cope with what 3 because, said I said, if you take that money 4 they needed out of Hydro and so on. But 4 and apply it to rates, you're taking it away 5 what we're doing here, in trying to find 5 from the government to use for other sources 6 efficiency and ways and means to ensure 6 and in effect, I think all our job here is 7 7 to tell the government what can be done and consumers are getting good value and not 8 forgetting the fact that the entire problem 8 I think what we ought to make clear to the 9 of what we're doing here emanates from 9 government is here's how much we're asking 10 Nalcor and Hydro, they caused this, that by 10 you to give up and that's what this part of 11 reducing Hydro's rate of return would there 11 it is all about. And then they're going to 12 be more, some more money available to 12 decide how much of it they can give up, 13 mitigate against rates, would that be a based on whatever considerations they apply. 13 14 simple proposition? 14 BROWNE, O.C.: 15 MR. ANTONUK: 15 At least it's an avenue that should be Q. 16 A. It is quite simply true that their return 16 mentioned. can be reduced without foreclosing their 17 17 MR. ANTONUK: 18 development of a needed equity base and 18 Sure. I think it's an avenue that should be 19 there is no doubt that reducing that return 19 pursued, it's a valuable one and I think 20 would provide mitigation. We actually took-20 it's a question of how far and how much. 21 and we actually tried to show that full 21 BROWNE, O.C.: 22 22 amount and the amount you see us showing is You mentioned already about reducing Hydro's 23 attributable to the returns the province 23 equity and I think they're at about 19 24 receives from Hydro was intended very 24 percent, but they are able to go to 25, 25 specifically to say if you accept 25 percent 25 that's their target. So by moving it back Page 82 Page 84 1 as a target, this is how much you can gain 1 to 20 percent, they really wouldn't be too 2 2 far from where they are actually, would it? by either having the province return those 3 monies it makes or dropping it from rates in 3 MR. ANTONUK: 4 the first place. Then we said, well, 25 not 4 A. That's correct and it would be even higher 5 5 necessarily the rate target, you can thin than some others. 6 it, what we tried to show is what happens if 6 BROWNE, O.C.: 7 7 you reduce that equity amount and we didn't Yes, there are others out there and I think 8 8 you gave a schedule there of various pick that, the minimum amount we think will 9 9 work, but what we did show is that if you equities that are there throughout Canada. 10 reduce it from 25 percent and set rates on 10 MR. ANTONUK: the basis of achieving 20 percent, you get 11 11 Α. Yes. about 110 million more dollars now when BROWNE, O.C.: 12 12 13 other sources of mitigation are low, but you 13 And certainly they're within a range, Hydro Q. 14 will lose that 110 million when mitigation is within a range, maybe at the higher end 14 15 sources are high. So on a net basis you 15 of the range even at 25 percent, but in 16 haven't done anything, but what you have 16 reality a lot of them are striving for done is instead of having rates go, like 17 higher equities, but in reality they're down 17 18 this, they go like a little lower in the 18 below 20 percent. 19 earlier years and they don't go much higher 19 MR. ANTONUK: 20 in the later years, so you produce a more 20 I think that's right, I think you will find A. 21 typical pattern of growth you'd see in the 21 the 25 percent target is not out of order 22 industry which is utility rates growing by 22 and I think you will also find that 23 somewhere on the order of inflation, 23 companies operating at significantly below 24 subject, of course, to every utility now and 24 that 25 percent, that's also not out of 25 then has a big investment that causes a step 25 order, that's the typical situation.

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| | Page 85 | | Page 87 |
| 1 | BROWNE, Q.C.: | 1 | A. It's not at all a bad thing, no, I think |
| 2 | Q. And mindful of the province's financial | 2 | that's a call that's going to have to be |
| 3 | situation and debt rating agencies, the | 3 | made by those who—sorry, I should look at |
| 4 | credit rating agencies, if it were to—that's | 4 | you because you are those, who are charged |
| 5 | why you're suggesting 20 percent and you're | 5 | with deciding what kind of rate path you |
| 6 | being cautious, because of that if you | 6 | want to produce. |
| 7 | suggested 15 percent or 10 percent, that | 7 | BROWNE, Q.C.: |
| 8 | might have ramifications? | 8 | Q. Now you hint at some more savings which may |
| 9 | MR. ANTONUK: | 9 | be available, some more mitigation which may |
| 10 | A. It might, yes, and we did not study that. | 10 | be available, on page 7 of your report, if |
| 11 | We have done that in other situations, it | 11 | we can go to page 7 of your September 2, |
| 12 | can be studied, you can make some judgments. | 12 | 2019 report, Madam Clerk. And you're |
| 13 | You will never get the firm, you know, line | 13 | dealing with the issue of Hydro and |
| 1 | - · · · · · · · · · · · · · · · · · · · | | Newfoundland Power integration and you |
| 14 | in the sand below which you won't go, but | 14 15 | • |
| 15 | that was not part of what we did. I'm | | decided to stay away from that because there |
| 16 | certain that's what the government is going | 16 | are no values, no real values that would |
| 17 | to do, I hope that's what the government is | 17 | come out of these type mergers ultimately, I |
| 18 | going to do because they need to do it | 18 | think that was your comment? |
| 19 | right, because the way financing occurs | 19 | MR. ANTONUK: |
| 20 | here, if there are adverse financial | 20 | A. I think that's fair, the values we |
| 21 | consequences at Hydro, they affect right now | 21 | identified were subject to such substantial |
| 22 | all the debt that the government issues | 22 | risk that we thought that ability to execute |
| 23 | because that's how the government issues | 23 | on them was too uncertain, so it was likely |
| 24 | debt for Hydro under the current financial | 24 | that you would not—it was a very high risk, |
| 25 | strategy and policies of the government. | 25 | you wouldn't even attain the dollars that we |
| | D 06 | | |
| | Page 86 | | Page 88 |
| 1 | (10:30 a.m.) | 1 | identified as possible. |
| 2 | (10:30 a.m.) BROWNE, Q.C.: | 2 | <u> </u> |
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| 1 | amount of capital spending will reduce | 1 | programs from the perspective always of how |
| 2 | revenue requirements as much or greater than | 2 | they will affect service quality and |
| 3 | those obtainable through reorienting the | 3 | reliability verses what you're paying for. |
| 4 | longstanding division of responsibility that | 4 | I don't think that's ever irrelevant. I |
| 5 | exists in the province for providing | 5 | think they way you look at it in what I'd |
| 6 | electricity service." Now, we have two | 6 | call a steady stay, where costs are moving |
| 7 | capital budgets we're looking at currently, | 7 | kind of as you'd expect based on changes in |
| 8 | by way of example, Newfoundland Power is | 8 | the consumer price index, whatever your |
| 9 | seeking 96 million, Hydro is seeking one | 9 | metric is, is different from where we are |
| 10 | hundred and something million, so between | 10 | now. I think now, if nothing else, the |
| 11 | the two of them, they're looking for 200 | 11 | analysis of capital programs has to consider |
| 12 | million dollars in capital spending, and as | 12 | another factor. Even if you decide that you |
| 13 | you are aware, we're in a rate base system | 13 | need it, even if you decide that on the |
| 14 | here, so they're not disinterested, either | 14 | whole it's cost effective, I think you have |
| 15 | utility, from spending to increase their | 15 | to look, if nothing else, now very closely |
| 16 | rate base. From Newfoundland Power's | 16 | at what risk will we be taking by deferring |
| 17 | perspective that helps its shareholder and | 17 | some of those projects, and by doing so, you |
| 18 | that's fair, that's the system we have right | 18 | can have consequences that are good, you can |
| 19 | now, and it also affects Hydro. But can you | 19 | say we'll save in rates now and when we put |
| 20 | expand upon that? We're in difficult times | 20 | them in the effective inflation or whatever |
| 21 | here now and for these utilities to be | 21 | it is, will be worth the small extra cost we |
| 22 | presenting large capital expenditure budgets | 22 | pay for putting them in later. Some |
| 23 | to the Board, seems to be out of sync with | 23 | investments you may say they are so critical |
| 24 | what we're trying to do here. And I pity | 24 | that we aren't going to defer them, even if |
| 25 | the Board because they bring these large | 25 | we could save money because we think |
| | Page 90 | | Page 92 |
| 1 | capital budget applications before the Board | 1 | reliability would be threatened at a level |
| 2 | and I'm not unempathetic because they say | 2 | that is troubling. So I think you really |
| 3 | essentially unless we do a), b), c), d) and | 3 | need to do, I'm going to refer you to our |
| 4 | do it over this period of time, we could | 4 | reliability report, it's exactly what we |
| 5 | lose electricity, that's essentially what | 5 | said in the reliability report here is that |
| 6 | they're saying, that's implicit. And | 6 | you can sit here and look at reliability |
| 7 | indeed, I've been before this Board on | 7 | standards in the abstract and say, oh, we've |
| 8 | occasion dealing with capital budgets and | 8 | got to have this, but I think we're in a |
| 9 | one of the utilities actually brought in | 9 | position now where we have to say, well, we |
| 10 | rusty bolts that they found, bit of a "show | 10 | don't got to, we ought to, but if we don't |
| 11 | and tell" along their transmission line to | 11 | do it, you know, what risks—how do we |
| 12 | emphasize the point if you are challenging | 12 | measure the risks we're taking and are those |
| 13 | them for building a particular transmission | 13 | risks enough to say we would rather give |
| 14 | line, "these appear, look what we found", | 14 | customers a short-term break on rates |
| 15 | show and tell, Kindergarten. So, how can we | 15 | because I think we all are from, I don't |
| 16 | cope with these large budget applications in | 16 | know if we all are, but I'm with you, |
| 17 | the Muskrat era, can you help us there? | 17 | customers need a break, particularly in the |
| 18 | MR. ANTONUK: | 18 | short-run here. Even if you do everything |
| 19 | A. Yes, I'm going to say I've seen my share of | 19 | we said, even if the province gives up every |
| 20 | rusty bolts that are still good bolts, but | 20 | penny we identified, we still have a rate, a |
| 21 | that's a different issue. | 21 | pretty significant rate jump coming in the |
| 22 | BROWNE, Q.C.: | 22 | near term, so I don't know if it's too |
| 23 | Q. You did that trick as well. | 23 | early, too late or not to deal with it in |
| 24 | MR. ANTONUK: | 24 | this capital budget, but I do want to say |
| 25 | A. I think you do need to look at capital | 25 | that this is the time to look very carefully |
| | · 1 | | <u> </u> |

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| | Page 93 | | Page 95 |
| 1 | at what we can delay, what we will be | 1 | quartile, so the question becomes where do |
| 2 | risking and what we will be saving by | 2 | you go next, you know. You could be No. 1 I |
| 3 | undertaking that delay. | 3 | guess in the country, but it's time to step |
| 4 | BROWNE, Q.C.: | 4 | back and say what programs do we need to |
| 5 | Q. Now the ordinary measurement for reliability | 5 | sustain where we are, and it if want to get |
| 6 | in the SAIDI and SAIFI regulating, all the | 6 | better—and there are still ways to get |
| 7 | regulators are governed by those and in the | 7 | better that are worth it. For example, some |
| 8 | case of Newfoundland Power, their frequency | 8 | forms of automatic meter reading will allow |
| 9 | of outages and the length of outages, they | 9 | the company to tell much quicker where |
| 10 | are much, much, much better than the | 10 | outages are and get to them quicker. So you |
| 11 | national average in that regard. They have | 11 | can still do things that are cost effective, |
| 12 | fewer nationally than most other utilities | 12 | but as I'm saying, I think you've got to |
| 13 | in terms of they have a really good record. | 13 | look at every program that has material |
| 14 | So they present the Board with this record | 14 | dollars to it and say, what's the difference |
| 15 | and at the same time are presenting a large | 15 | if we don't spend it? How do we measure |
| 16 | capital budget, at what point does that | 16 | that difference? It's not always easy or |
| 17 | count? Are they overbilling, are they over | 17 | straightforward, but it's always doable. |
| 18 | capitalizing? We've never going to have a | 18 | BROWNE, Q.C.: |
| 19 | perfect system, at some point the lights | 19 | Q. When you made your comment here on page 7 |
| 20 | will go out for some reason or another. | 20 | concerning the reductions in amount of |
| 21 | MR. ANTONUK: | 21 | capital spending, had you studied the |
| 22 | A. Yeah, I think the way you need to look at it | 22 | capital budgets or what led you to these |
| 23 | is not at a global level of where they are | 23 | comments? |
| 24 | now and use that as an indicator of where | 24 | MR. ANTONUK: |
| 25 | they will be, whether they spend money or | 25 | A. What we've been talking about is given the |
| | | | |
| | Page 94 | | Page 96 |
| 1 | Page 94 not. I think you have to try to look as | 1 | need to look at ways to reduce rates and |
| 2 | not. I think you have to try to look as best you can at the incremental change. So | 2 | need to look at ways to reduce rates and given the fact that it's much harder to |
| 2 3 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at | 2 3 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over |
| 2 3 4 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at a level of reliability with which we're | 2 3 4 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over the full 20 years, we wanted to kind of |
| 2 3 4 5 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at a level of reliability with which we're comfortable and I have to do this on | 2 3 4 5 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over the full 20 years, we wanted to kind of inject just what we're talking about, this |
| 2 3 4 5 6 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at a level of reliability with which we're comfortable and I have to do this on assumptions because I'm not, I don't have | 2 3 4 5 6 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over the full 20 years, we wanted to kind of inject just what we're talking about, this whole notion of showing the value to be |
| 2 3 4 5 6 7 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at a level of reliability with which we're comfortable and I have to do this on assumptions because I'm not, I don't have the data you have on it. I would say then | 2 3 4 5 6 7 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over the full 20 years, we wanted to kind of inject just what we're talking about, this whole notion of showing the value to be gained by doing it, the consequences of |
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| 2 3 4 5 6 7 8 9 | not. I think you have to try to look as best you can at the incremental change. So if you're at a level, let's assume we're at a level of reliability with which we're comfortable and I have to do this on assumptions because I'm not, I don't have the data you have on it. I would say then you have to look at what are you spending and tell me what non spending that or the | 2 3 4 5 6 7 8 9 | need to look at ways to reduce rates and given the fact that it's much harder to reduce them in the near term than it is over the full 20 years, we wanted to kind of inject just what we're talking about, this whole notion of showing the value to be gained by doing it, the consequences of delaying it and then assessing whether there are real opportunities to delay things that |
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| | Page 97 | | Page 99 |
| 1 | Q. Should there be an annual cap put on capital | 1 | bringing before the Board. |
| 2 | spending in this situation so that the cap | 2 | (10:45 a.m.) |
| 3 | annually is 40 or 50 million dollars, you | 3 | BROWNE, Q.C.: |
| 4 | prioritize your projects around that cap, | 4 | Q. Did you deal in reference to this comment, |
| 5 | would that be a way of dealing with it? | 5 | the duplications, for instance Newfoundland |
| 6 | MR. ANTONUK: | 6 | Power has 25 million dollars over, I think a |
| 7 | A. I wouldn't do that in a flat way, but what's | 7 | four or five year period has been approved |
| 8 | intriguing about what you raise is the | 8 | for improvement of its information systems. |
| 9 | notion of saying show we what you're going | 9 | Well, I mean, you know, Hydro is looking for |
| 10 | to do if I only give you "X". Tell me | 10 | something similar, is out there now with new |
| 11 | what's going to happen if you only spend | 11 | information systems. Couldn't there be |
| 12 | "X". I think that's a more, that sounds | 12 | mergers there in the interest of rate payers |
| 13 | like a more tender hearted way of doing one. | 13 | so there could be one information system |
| 14 | MR. CELLARS: | 14 | that they share and track according to their |
| 15 | A. I like that. | 15 | usage for the regulated verses the |
| 16 | BROWNE, Q.C.: | 16 | unregulated and so on? |
| 17 | Q. I notice Mr. Cellars is trying to get in | 17 | MR. ANTONUK: |
| 18 | there. Do you have a comment on that? | 18 | A. I think on a steady state basis there might |
| 19 | MR. CELLARS: | 19 | be some very small savings. I don't think |
| 20 | A. No, no, I can agree with everything John | 20 | I'd recommend that as long as they each |
| 21 | said, I mean, what he said is exactly true. | 21 | remain responsible for their own customers |
| 22 | A cap is a good start and then you look at | 22 | because there are ramifications of making |
| 23 | the one off from there and you, it's never | 23 | them use the same system in terms of how |
| 24 | the end, but it does produce a real critical | 24 | they staff, how they train, all of that. I |
| 25 | thought. | 25 | would be concerned that the small gain you |
| | Page 98 | | Page 100 |
| 1 | MR. ANTONUK: | 1 | might get though a common system would be |
| 2 | A. I think the approach you're recommending I | 2 | wiped out by all the changes they would have |
| 3 | wouldn't offer as a kind of a sustaining way | 3 | to make. If there's benefit in commonality |
| 4 | of doing it. | 4 | that kind of gets my attention, it's more, |
| 5 | MR. CELLARS: | 5 | you know, if you're going to start doing |
| 6 | A. Right. | 6 | more with respect to customers' ability to |
| 7 | MR. ANTONUK: | 7 | influence their usage of the kind of |
| 8 | A. I think it will lead to short-sighted | 8 | information customers should have about |
| 9 | decisions, but I think under the | 9 | usage so they can make decisions about |
| 10 | circumstances that kind of a look, it's | 10 | conservation measures, that sort of thing. |
| 11 | interesting. I don't want to say I'm | 11 | I see value there in kind of requiring the |
| 12 | recommending it because, you know, you hit | | companies to do similar things so that their |
| 13 | me with it kind of – | 13 | customers have the same kind of access to |
| 14 | BROWNE, Q.C.: | 14 | choices, to knowledge about what they're |
| 15 | Q. You want to think about it. | 15 | using, so those sort of things, I think. |
| 16 | MR. ANTONUK: | 16 | But for the most part I think a lot of those |
| 17 | A. Yeah, it wasn't exactly a soccer punch, but | 17 | are not that hard to develop within the |
| 18 | I wasn't expecting, so I'd like to think | 18 | context of their own system. It's more a |
| 19 | more before I say that's what the Board | 19 | matter of the Board saying, you know, we |
| 20 | ought to do by getting some sense of what | 20 | want you to make sure customers have this |
| 21 | burdens that would put on the Board, but it | 21 | kind of information, that kind of |
| 22 | is an option. I would say it this way, from | 22 | information. So I don't see a lot of |
| | management's perspective in the interest of | 23 | dollars there. You know, we looked pretty |
| 23 | | | ± • • |
| 23 24 25 | my customers, I think I would certainly be thinking that way now in terms of what I'm | 24 25 | closely at combining the customer service functions and I will say that I think when |

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| | Page 101 | | Page 103 |
| 1 | we started, we saw that as the most likely | 1 | Power said in its filing about that option, |
| 2 | source of gain. It just seemed almost | 2 | but I certainly don't recall them opposing |
| 3 | illogical to have one company serving so | 3 | it. So I would hope that those discussions |
| 4 | many people at retail and then Hydro serving | 4 | would continue and be transparent to the |
| 5 | here or there or the next place. I think it | 5 | Board and the stakeholders. It would be |
| 6 | was surprising when we dug into it that the | 6 | good to see those come to some kind of |
| 7 | savings there weren't as nearly as great as | 7 | resolution in a way that has transparency. |
| 8 | we thought they were going to be. | 8 | BROWNE, Q.C.: |
| 9 | BROWNE, Q.C.: | 9 | Q. In terms of systems and the different |
| 10 | Q. Well I guess savings is in the eye of the | 10 | systems that are out there, in the Muskrat |
| 11 | beholder from a rate payer who is paying for | 11 | era, does this rate base system make any |
| 12 | both, any savings. | 12 | sense at all? Should we be looking at |
| 13 | MR. ANTONUK: | 13 | alternatives? |
| 14 | A. Well I think that's fair and we certainly | 14 | MR. ANTONUK: |
| 15 | went from that premise. We cranked the | 15 | A. Yeah, you're talking about maybe performance |
| 16 | numbers first and we saw some dollars there, | 16 | based rate making, something like that. You |
| 17 | but as we said earlier, I think when we | 17 | know, we—forgive me for saying "me", I'm not |
| 18 | looked at what it would take to accomplish | 18 | being presumptuous, maybe I'm starting to |
| 19 | those changes, there were things that were | 19 | feel comfortable here, you all face a need |
| 20 | going to wipe out a portion of that directly | 20 | to swallow the cost of the LCP. There's not |
| 21 | and there were risks that we think were much | 20 | |
| | | | really any way around that. The financial |
| 22 | more likely than not to wipe out most, if | 22 | consequences of default under those |
| 23 | not all of the remainder, so – | 23 | agreements are just horrific to contemplate. |
| 24 | BROWNE, Q.C.: | 24 | So I don't really see anything, other than |
| 25 | Q. Was there anywhere else when you studied | 25 | saying as bad as it sounds and as harsh as |
| | | | |
| l . | Page 102 | | Page 104 |
| 1 | that area of duplications, just based on | 1 | Page 104 it sounds, customers have to take the |
| 2 | that area of duplications, just based on your comment, where you saw some promise in | 2 | Page 104 it sounds, customers have to take the medicine for what's happened. So no, I |
| 2 3 | that area of duplications, just based on your comment, where you saw some promise in combining services for the benefit of | 2 3 | Page 104 it sounds, customers have to take the medicine for what's happened. So no, I don't with respect to what's happened so |
| 2 3 4 | that area of duplications, just based on your comment, where you saw some promise in combining services for the benefit of reducing costs? | 2 3 4 | Page 104 it sounds, customers have to take the medicine for what's happened. So no, I don't with respect to what's happened so far. I do, as I tried to emphasize |
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| | Page 105 | | Page 107 |
| 1 | comfortable with the standard adopted was a | 1 | I said, I can say, my optimum performance |
| 2 | correct one, and correct more from the | 2 | says to hell with metric one, I'm going to |
| 3 | perspective of customers than the company. | 3 | go for metrics two, three and four and I'm |
| 4 | I've seen a lot of incentive methods that | 4 | going to make a small enough gain in those |
| 5 | say if you do well here you will get | 5 | to make incentives and then I'm going to |
| 6 | rewarded, or if you don't do well there, you | 6 | sort of leave number one with a major drop |
| 7 | will get penalized. My problem is that they | 7 | in performance. And I look at all that and |
| 8 | way I've seen that work is there are usually | 8 | I say, wait a minute, on a net basis nothing |
| 9 | four or five metrics, so if I have my own | 9 | has changed for customers, I've just put all |
| 10 | company I can say I'm not going to get | 10 | my resources in three of the five or four of |
| 11 | anywhere close on metrics one, so I'm not | 11 | the five, or short verses long run and |
| 12 | spending a lot of attention time or money | 12 | that's even more serious, is I can do |
| 13 | there, I'm going to move over to metric two | 13 | something with my expenditures now to make a |
| 14 | where I'm on the cusp of reward or penalty, | 14 | gain and then sort of I'll worry about the |
| 15 | so I'm going to put my resources there. So | 15 | chickens coming home to roost in three |
| 16 | what happens? You get a very small gain in | 16 | years, four years or five years, and if I'm |
| 17 | metric two, company makes profit and then | 17 | a CEO and I've got three years left, do I |
| 18 | performance on metric one goes to you know | 18 | really worry about whether my production of |
| 19 | where. So conceptually I don't have a | 19 | gains under an incentive system is going to |
| | - · · | 20 | |
| 20 | problem with it, but I have not seen, nor | | leave my successor with a problem or not. |
| 21 | have I devised some way to set a standard | 21 | Like I said, I just have never seen a |
| 22 | that I think is going to set a full holistic | 22 | sufficiently holistic approach to make me |
| 23 | set of incentives that's going to be | 23 | comfortable that it's in the long run. |
| 24 | consistent both with keeping service at high | 24 | BROWNE, Q.C.: |
| 25 | levels and promoting effective costs. So if | 25 | Q. And it's fair enough, and you haven't |
| | Page 106 | | Page 108 |
| 1 | you can show me a way that made me think | 1 | studied it in this context, but it's |
| 2 | there was no way to gain in the system, then | | |
| | | 2 | certainly is something we will be |
| 3 | I'd sure be interested because I like it, | 3 | recommending that the Board recommend to |
| 4 | I'd sure be interested because I like it, because I'm a firm believer, as I said | 3 4 | recommending that the Board recommend to government that some form of performance |
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| 1 | lot. | 1 | remaining areas that I have to – |
| 2 | MR. ANTONUK: | 2 | CHAIR: |
| 3 | A. I agree completely with the importance of | 3 | Q. Okay, we will break now and reconvene at |
| 4 | focussing on capital expenditures. | 4 | 1:30. |
| 5 | BROWNE, Q.C.: | 5 | BROWNE, Q.C.: |
| 6 | Q. So you'd see why we would suggest there | 6 | Q. Thank you very much, Chair. |
| 1 7 | might be merit in studying this because | 7 | (BREAK AT 11:00 A.M.) |
| 8 | these huge capital expenditures are | 8 | (RECONVENED AT 11:35 A.M.) |
| 9 | unsustainable in the Muskrat era the way | 9 | CHAIR: |
| 10 | they are currently devised, that the utility | 10 | Q. Thank you. I understand, Ms. Greene, you're |
| 11 | can just come forward and pretty well get | 11 | going to address Mr. Antonuk's two takeaways |
| 12 | what they're looking for and as I said | 12 | that he addressed over the break? |
| 13 | before, I'm not unempathetic to the Board | 13 | GREENE, Q.C.: |
| 14 | because, you know, the implication give us | 14 | Q. Yes, thank you Chair. At this point we were |
| 15 | this or you're responsible when the lights | 15 | going to respond to the two requests to date |
| 16 | go out, and that's hardly a fair | 16 | that Mr. Antonuk said he would take away. |
| 17 | presentation, but it's there, it's implicit | 17 | The first concerns the portion of the HST |
| 18 | in it. | 18 | that is paid by Domestic customers and what |
| 19 | MR. ANTONUK: | 19 | impact that would have it that were rebated |
| 20 | A. I think we've talked a lot about sort of the | 20 | by the province or if the province gave up |
| 21 | difficulties and again, I'm going to tell | 21 | that revenue. So, Mr. Antonuk, could you |
| $\begin{vmatrix} 21\\22\end{vmatrix}$ | you I think the key thing for me in the | 22 | explain about the portion of the HST and |
| 23 | short run is the whole question of would we | 23 | what that would mean for customers? |
| | <u> </u> | 23 24 | MR. ANTONUK: |
| 24 | be taking material reliability risk or not | 25 | |
| 25 | in deferring projects. I sort of see that | 23 | A. Yes, if you go to Chart 17 from my |
| , | Page 110 | | Page 112 |
| | in the short term of much more – | 1 | presentation, I think that's a good starting |
| 2 | BROWNE, Q.C.: | 2 | point, those are rates without the tax. So |
| 3 | Q. Sir, while we're waiting or studying the | 3 | the best way to measure that would be to, in |
| 4 | issue, because remember, we have examples in | 4 | effect, drop that line by the province's |
| 5 | Ontario and Alberta of the same company that | 5 | portion of the tax. That starts at 50 |
| 6 | owns Newfoundland Power that seem to be in | 6 | million dollars a year under current rates, |
| 7 | some kind of a performance rate base and I | 7 | which is with revenue requirement, with each |
| 8 | admittedly haven't studied the particular | 8 | 66 million dollars in revenue requirements |
| 9 | yet, but I'm looking forward to the | 9 | equalling about a cent in rates, that means |
| 10 | opportunity. But in the meantime, yes, we | 10 | that the waiver return, elimination of that |
| 11 | do have to deal with these capital budget | 11 | tax would reduce rates initially by about |
| 12 | issues, so maybe the cap is the way to go or | 12 | three quarters of a cent more. That, |
| 13 | something similar. | 13 | because the tax is levied on a percentage |
| 14 | MR. ANTONUK: | 14 | basis, if the tax continues at the same |
| 15 | A. Yes, and subject to the – | 15 | rate, its cents per kilowatt hour |
| 16 | BROWNE, Q.C.: | 16 | contribution to mitigation would increase, |
| 17 | Q. Subject to the discretion of the Board. | 17 | although on a percentage basis it would stay |
| I 10 | MR. ANTONUK: | 18 | the same. So if you drop the line shown on |
| 18 | | 10 | page 17 by 10 percent, you will see the |
| 18 | A subject to everything I have said about it | 19 | page 17 by 10 percent, you will see the |
| | | 20 | effect on a cents per kilowatt hour. We |
| 19 | A subject to everything I have said about it | | |
| 19 20 | A subject to everything I have said about it before without hopefully having to remember | 20 | effect on a cents per kilowatt hour. We |
| 19 20 21 | A subject to everything I have said about it before without hopefully having to remember it and repeat it. | 20 21 | effect on a cents per kilowatt hour. We could draw that line, you know, it's simple |
| 19 20 21 22 | A subject to everything I have said about it before without hopefully having to remember it and repeat it. BROWNE, Q.C.: | 20 21 22 | effect on a cents per kilowatt hour. We could draw that line, you know, it's simple arithmetic, but essentially what didn't |
| 19 20 21 22 23 | A subject to everything I have said about it before without hopefully having to remember it and repeat it. BROWNE, Q.C.: Q. Okay, well it's 11:00 now. I will be about | 20 21 22 23 | effect on a cents per kilowatt hour. We could draw that line, you know, it's simple arithmetic, but essentially what didn't occur to us until we were on the break is |

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| 1 | mitigated by not considering or eliminating | 1 | Q. So it's 19 FTEs is really the calculation. |
| 2 | it, so – | 2 | MR. ANTONUK: |
| 3 | GREENE, Q.C.: | 3 | A. That's correct, that's correct. |
| 4 | Q. Yes, so a savings for the Domestic customer | 4 | GREENE, Q.C.: |
| 5 | for their pocketbook, but it's not actually | 5 | Q. One final question, Mr. Antonuk, just to |
| 6 | in the actual rate because they pay it after | 6 | confirm that when you were talking about the |
| 7 | the rate is applied. | 7 | HST for Domestic customers, the 50 million |
| 8 | MR. ANTONUK: | 8 | dollars is only related to the provincial |
| 9 | A. Correct. | 9 | portion which is approximately 10 percent, |
| 10 | GREENE, Q.C.: | 10 | is that correct? |
| 11 | Q. The second takeaway that you had related to, | 11 | MR. ANTONUK: |
| 12 | as I understood it, potential duplication | 12 | A. That's correct. |
| 13 | related to how you track and account for | 13 | GREENE, Q.C.: |
| 14 | Lower Churchill Project operating and | 14 | Q. Thank you, Chair, that concludes what we |
| 15 | maintenance and whether the reduction in the | 15 | wanted to say on what we will call the |
| 16 | labour component was included in your 113 | 16 | takeaways. |
| 17 | FTEs overall reduction and also included in | 17 | CHAIR: |
| 18 | the LCP O & M, so could you explain that, | 18 | Q. Thank you, Ms. Greene. Does that meet your |
| 19 | please? | 19 | needs, Mr. O'Brien? |
| 20 | MR. ANTONUK: | 20 | MR. O'BRIEN: |
| 21 | A. Yes, I've referenced to two pages in our | 21 | Q. It does, thank you, Madam Chair, thank you |
| 22 | report will help. The first is page 64, | 22 | Mr. Antonuk. |
| 23 | Table 5.1, if we turn there first, that will | 23 | CHAIR: |
| 24 | set us up for, I think, a fairly | 24 | Q. Back to you, Mr. Browne. |
| 25 | straightforward explanation. You will see | 25 | BROWNE, Q.C.: |
| | Page 114 | | Page 116 |
| 1 | the total 94 there, keep that in mind and | 1 | Q. Thank you, thank you Chair and thank you, |
| 2 | also keep in mind Corporate Services, which | 2 | Ms. Greene. It's your evidence that Nalcor |
| 3 | is listed there as 24. Less important, but | 3 | should be void of anything doing with |
| 4 | also note Engineering 21. So we have a | 4 | electricity or power, all these functions |
| 5 | total of 94 in that page, 24 of which is | 5 | should go to Hydro, is that correct? |
| 6 | from Corporate Services. So now if we could | 6 | MR. ANTONUK: |
| 7 | turn to page 89, if you look at conclusion | 7 | A. As they relate to existing assets and |
| 8 | 3, the targeted reduction there is 19. That | 8 | operations, that is correct. |
| 9 | 19 is additive to the 94 which produces the | 9 | BROWNE, Q.C.: |
| 10 | 113 that we've been talking about. Now, if | 10 | Q. You made some comments about Nalcor Energy |
| 11 | you go down, I believe it's the last | 11 | Marketing. Nalcor Energy Marketing, what |
| 12 | conclusion on that page, I believe it was | 12 | exactly are they marketing, that's my |
| 13 | No. 6, I was calling the category | 13 | question. |
| 14 | "Administrative", it's really "Corporate | 14 | MR. ANTONUK: |
| 15 | Support". If you go down to the second half | 15 | A. In broad terms they are marketing all of the |
| 16 | of that paragraph, you will note that we say | 16 | capability of the generation transmission |
| 17 | that while the reduction in allocations for | 17 | portfolio, including Churchill Falls, that |
| 18 | Corporate Support will reduce the O & M | 18 | can be made available to customers off |
| 19 | budget, that reduction has already been— | 19 | system, meaning outside, effectively outside |
| 20 | unlike the other one I just mentioned, has | 20 | of Labrador and Newfoundland. |
| 21 | already been accounted for in the Corporate | 21 | BROWNE, Q.C.: |
| 22 | Services reduction shown on Table 5.1. So | 22 | Q. But you told us previously that there are |
| 23 | that portion is not additive; the remainder, | 23 | only spot markets there currently, people |
| | - | | |
| 24 | however, is. | 24 | are dealing in the spot markets and Hydro |
| 24 25 | however, 1s. MR. O'BRIEN: | 24 25 | are dealing in the spot markets and Hydro Quebec is as well, so if the spot markets |

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| 1 | are there for what purpose, why—how do they | 1 | MR. ANTONUK: |
| 2 | fit into that equation? | 2 | A. Well, you would use the creation if the |
| 3 | MR. ANTONUK: | 3 | value added by the outside source is less |
| 4 | A. Okay, well I certainly made the point | 4 | than the cost it takes to retain the outside |
| 5 | earlier that spot markets are very strong | 5 | source. I think it's that direct. I would |
| 6 | and very common now. There are bilateral | 6 | add this factor, which is I do agree that if |
| 7 | deals, if you will, on longer-term deals | 7 | you have what I'm going to call a tangible, |
| 8 | that are made. I don't know the degree to | 8 | coherent, near to medium term plan for |
| 9 | which they're being made in Canada or not, | 9 | growth, it is correct to consider whether |
| 10 | but it is not, it's less common, but it is | 10 | you should design for your ultimate approach |
| 11 | not unknown to find term deals. Also there | 11 | initially, meaning potentially an internal |
| 12 | are several ways to market or to sell. You | 12 | option, or whether you should use an |
| 13 | can sell at different delivery points and | 13 | external source for a period of time while |
| 14 | that's really a matter that requires some | 14 | still allowing you to explore bringing it |
| 15 | flexibility. You can sell at your first off | 15 | in-house or other options, even if it's |
| 16 | system point of delivery and then either the | 16 | another contractor, as that growth occurs. |
| 17 | buyer or the market takes care of the flow | 17 | So, I don't think there's necessarily |
| 18 | from there, or you can make an arrangement | 18 | one way to do it. I do agree there is a |
| 19 | further, deeper into the US, let's say as an | 19 | point at which size does end up not |
| 20 | example. So there needs to be flexibility | 20 | necessarily dictating, but strongly |
| 21 | to determine what's the best delivery point | 21 | favouring development of an in-house |
| 22 | to pick. In the spot market that's usually | 22 | capability. |
| 23 | pretty straightforward, but particularly if | 23 | BROWNE, Q.C.: |
| 24 | you're looking for other kinds of deals, | 24 | Q. And that was probably very well the plan |
| 25 | it's not necessarily the case that you're | 25 | because when Nalcor Energy Marketing was |
| | Page 118 | | Page 120 |
| 1 | going to make the transfer at the first | 1 | conceived and developed first, it was |
| 2 | delivery point. | 2 | pursuant to Nalcor's plan to do Gull Island |
| 3 | BROWNE, Q.C.: | 3 | and when they pivoted from that plan to do |
| 4 | Q. So the only thing they could be marketing | 4 | the lesser project, Muskrat Falls, and they |
| 5 | right now would be the recall power, so | 5 | kept Nalcor Energy Marketing intact. So, |
| 6 | called recall power from the Upper | 6 | I'm wondering if they've gone beyond their |
| 7 | Churchill? | 7 | purpose. |
| 8 | MR. ANTONUK: | 8 | MR. ANTONUK: |
| 9 | A. Yes, Churchill Falls is the only source that | 9 | A. The discussions I had with – and the |
| 10 | _ | 10 | information I shared with the folks from |
| 11 | BROWNE, Q.C.: | 11 | Nalcor did make clear that Gull Island and |
| 12 | Q. And historically we didn't have, we were | 12 | what it would present in terms of |
| 13 | marketing that power, but we didn't have | 13 | tradability, if you will, was a factor and |
| 14 | Nalcor Energy Marketing, in fact, we didn't | 14 | that factor did appear to have materiality |
| 15 | have Nalcor initially recall power. As a | 15 | in deciding on an in-house option. |
| 16 | matter of fact, it was marketed through | 16 | It is also fair to say that the options |
| 17 | Hydro Quebec and by Hydro Quebec until it | 17 | that were on the table for Nalcor to |
| 18 | became politically unpopular to use Hydro | 18 | consider included were it to be a much - |
| 19 | Quebec for that purpose and then we had | 19 | have a much smaller portfolio to trade. The |
| 20 | Emera doing the marketing for us and we were | 20 | options that were considered appropriate and |
| 21 | told at a hearing here that that was | 21 | legitimate, not necessarily conclusively |
| 1 00 | | 22 | preferable, but at least the options to |
| 22 | effectively cost efficient. Why do we need | | preferable, but at least the options to |
| 22 23 | this creation to do what others have done | 23 | consider did include a contracted – what we |
| 1 | | | |
| 23 | this creation to do what others have done | 23 | consider did include a contracted – what we |

Page 121 Page 123 1 move to some form of a solicitation, not 1 common term we use. 2 2 necessarily an open RFP. A lot of times BROWNE, O.C.: 3 3 these things are better done through private Because even with Muskrat Falls when it Q. 4 finally comes on stream, and we all wish for 4 negotiation. But in any event, a formal 5 the best there and expeditiously of course, 5 process of actually trying to get dollars 6 there's an excess agreement with Emera that 6 and cents and commitments on the table. 7 we have to follow anyway in reference to 7 BROWNE, Q.C.: anything over and above what they're 8 8 Q. What risks are inherent in marketing the 9 entitled to under the agreements. So, you 9 power ourselves? The word "risk" seems to 10 just wonder, umph, you know, there's not 10 come up in reference to Nalcor Marketing out going to be much left after that, I wouldn't marketing that power themselves. 11 11 12 think. 12 MR. ANTONUK: 13 MR. ANTONUK: 13 I think the biggest risk is loss of value by not taking maximum advantage of the 14 A. What is left we consider it to be still 14 opportunities. Other folks here have tended 15 comparatively small in the industry and it 15 is conceivable that it is – it is certain to focus on trading risk and those trading 16 16 that it could be managed effectively by an risks certainly exist, but as I was saying 17 17 yesterday, I think they have been 18 outside experienced firm. It is possible 18 successfully mitigated by both the regulated 19 that it could be managed more cost 19 effectively. And again, cost effectiveness and the market or unregulated participants. 20 20 With the proper controls, with the proper 21 means what does it cost me to do it 21 22 22 approach to risk, tolerance identification internally and what value will I produce. and what's an asset manager going to charge and management, I do not consider those 23 23 24 me and is the asset manager going to give me 24 risks significant. They are significant if 25 more value or not. It's really an economic 25 unmitigated, but they are mitigatable and Page 122 Page 124 successfully mitigatable and that's proven 1 trade-off at that point. 1 2 BROWNE, Q.C.: 2 time and time and time again in the US 3 And that's why it's your recommendation that 3 markets where utility entities manage the 4 a look be taken to see what this would cost; 4 trading of utility rate funded assets. 5 5 if there would be anyone interested in BROWNE, Q.C.: 6 marketing the power, first and foremost, and 6 Well, if you have an experienced entity out O. 7 to go out and seek proposals from those who 7 doing it, presumably the risk will be to 8 may be interested to see if there's cost 8 them and wouldn't fall upon Nalcor or Hydro 9 efficiencies there? That's your evidence? 9 or the Province should liabilities ensue 10 MR. ANTONUK: 10 from marketing the power ourselves. 11 Yes, on a phase basis. I think the first 11 MR. ANTONUK: 12 step is what I'll call a solicitation of 12 That risk sharing issue is usually part of Α. the negotiations and there are ways to make interest, if you will. This is a newer 13 13 market. It's a market that probably is -14 14 it extremely simple. There are ways that 15 takes a little more thought for the actors 15 you can basically make the portfolio, 16 to get their arms around. So, I think the 16 meaning the excess portion, available for first question to ask before a solicitation. liquidated amounts, which means that the 17 17 18 which takes time and effort, is to determine 18 trading entity will either – the trading entity will pay you certain liquidated 19 whether there's likely enough interest to 19 20 suggest that you're going to get proposals 20 amounts and then they either will or won't 21 in response to an RFP. 21 do better than that in the market. And as I 22 Using that information then I think you 22 said, it's not a clear conclusion whether 23 make a preliminary analysis of whether it 23 that's better for you or not. I think that looks like there's a potential for producing 24 24 takes economic analysis and serious consideration of the market alternatives and greater value, and if so, then you would 25 25

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| 1 | Page 125 | | Page 127 |
| 1 | then ultimately getting the dollars and | 1 | put them on almost an equal footing." So, I |
| 2 | cents on the table and signed on to. | 2 | won't go on to read it, but I guess there's |
| 3 | BROWNE, Q.C.: | 3 | been a shift in emphasis, in terms of where |
| 4 | Q. Okay. I guess that's one to watch. It's | 4 | Liberty thinks concern needs to be exercised |
| 5 | your evidence that Nalcor Energy Marketing | 5 | about the regulation and the management of |
| 6 | should go into Hydro? | 6 | Hydro and Nalcor. Has there been a shift in |
| 7 | MR. ANTONUK: | 7 | Liberty's thinking? |
| 8 | A. It should be controlled by Hydro. I'm | 8 | MR. ANTONUK: |
| 9 | indifferent as to whether it remains a | 9 | A. I'd say there's been a shift in the balance |
| 10 | separate legal entity, but its operations | 10 | as you just described. |
| 11 | should be directed by the same entity that | 11 | MR. COXWORTHY: |
| 12 | has responsibility for managing and | 12 | Q. And I think this is in another proceeding, |
| 13 | operating utility assets. | 13 | but I understand that Liberty has made |
| 14 | BROWNE, Q.C.: | 13 | recommendations which I understand to be to |
| 15 | , , | 15 | the effect that Hydro should be consulting |
| | Q. If all the power and electricity associated | | |
| 16 | energy goes into Hydro, directly or | 16 | with its stakeholders, I'll put it |
| 17 | indirectly, what is there left in Nalcor at | 17 | colloquially, in how much are they willing |
| 18 | the end of the day? | 18 | to pay for reliability or for more |
| 19 | MR. ANTONUK: | 19 | reliability. Is that a fair |
| 20 | A. Well, as I understand it, and there'll be | 20 | characterization of at least one of the |
| 21 | people here next week who can give you a | 21 | recommendations that Liberty has made? |
| 22 | better answer of what the latest thinking | 22 | MR. ANTONUK: |
| 23 | is, some element of managing investments in | 23 | A. I think that's fair. That's quite fair, |
| 24 | oil and gas and energy development, and | 24 | yes. |
| 25 | again, remember we're assuming that we're | 25 | MR. COXWORTHY: |
| | Page 126 | | Page 128 |
| 1 | | | |
| 1 | past the construction and putting into | 1 | Q. And I guess my question is: are we at a |
| 2 | service of LCP. So that's gone by | 2 | point – you're having examined the system |
| 1 | | | point – you're having examined the system here in this Province for some years now and |
| 2 | service of LCP. So that's gone by | 2 3 4 | point – you're having examined the system |
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| 2 3 4 5 6 | service of LCP. So that's gone by definition as well. BROWNE, Q.C.: Q. Thank you very much. CHAIR: | 2 3 4 5 6 | point – you're having examined the system here in this Province for some years now and from several different aspects – are we at a point where reliability, in terms of the norms that you're aware of across North |
| 2 3 4 5 6 7 | service of LCP. So that's gone by definition as well. BROWNE, Q.C.: Q. Thank you very much. CHAIR: Q. Thank you, Mr. Browne. Industrial | 2 3 4 5 6 7 | point – you're having examined the system here in this Province for some years now and from several different aspects – are we at a point where reliability, in terms of the norms that you're aware of across North America, across Canada, are we at a point |
| 2 3 4 5 6 7 8 | service of LCP. So that's gone by definition as well. BROWNE, Q.C.: Q. Thank you very much. CHAIR: Q. Thank you, Mr. Browne. Industrial Customers, who's taking the lead? | 2 3 4 5 6 7 8 | point – you're having examined the system here in this Province for some years now and from several different aspects – are we at a point where reliability, in terms of the norms that you're aware of across North America, across Canada, are we at a point where we have to sacrifice our reliability |
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| 1 | Page 129 | | Page 131 |
| 1 | look very carefully at what risks we are | 1 | to have to absorb the impact of Muskrat |
| 2 | willing to take that we wouldn't have even | 2 | Falls. |
| 3 | considered taking five years, six years or | 3 | MR. ANTONUK: |
| 4 | seven years ago when rates were much lower. | 4 | A. I see no other way around it, given the |
| 5 | And I think that choices we make need to be | 5 | brilliance of the financial people who made |
| 6 | as conscious and as informed about | 6 | sure that the debt holders would be fully |
| 7 | reliability consequences on the one side and | 7 | protected. |
| 8 | the cost of mitigating them on the other | 8 | MR. COXWORTHY: |
| 9 | side as we can make it. Recognizing that we | 9 | Q. The customer groups you spoke about who are |
| 10 | don't necessarily have forever to make these | 10 | impacted by the issues with nuclear |
| 11 | decisions. | 11 | generation in the United States in the '70s, |
| 12 | MR. COXWORTHY: | 12 | were the full impacts of that visited on |
| 13 | Q. And I guess, I'd suggest, you know, one | 13 | those customer groups or was it a question |
| 14 | difference between the examples you gave | 14 | of companies failing and those customer |
| 15 | from the '70s and what we're facing here in | 15 | groups being served by other sources? |
| 16 | this Province is those were fairly broadly | 16 | MR. ANTONUK: |
| 17 | · · · | 17 | |
| | based concerns that arose – I mean, not | | A. There were – in response to the nuclear |
| 18 | fairly, very broadly based concerns that | 18 | calamity, the issue was largely dealt with |
| 19 | arose across North America, across the | 19 | through disallowances of costs, which |
| 20 | western world in respect of the oil embargo. | 20 | because of the financial agreements here |
| 21 | MR. ANTONUK: | 21 | don't present the same options. There was a |
| 22 | A. For sure that. | 22 | fundamental change in the industry to change |
| 23 | MR. COXWORTHY: | 23 | risk of generation assets. I saw that more |
| 24 | Q. And certainly in the United States with | 24 | driven by the belief that a competitive |
| 25 | respect to nuclear issue or at least perhaps | 25 | market could operate more effectively. So, |
| | Page 130 | | Page 132 |
| 1 | the eastern United States. I'm not sure how | 1 | I saw that as an improvement opportunity, as |
| 2 | widespread the nuclear - | 2 | perceived by some, not everybody agreed with |
| 3 | MR. ANTONUK: | 3 | it, as opposed to a response to a crisis. |
| 4 | A. Yeah, some of the worst were out on the | 4 | (12:00 p.m.) |
| 5 | other end of the country too. | 5 | MR. COXWORTHY: |
| 6 | MR. COXWORTHY: | 6 | Q. Thank you. And again, I'm not sure that we |
| 7 | Q. Where here, of course, this is confined. | 7 | need to refer to it, but you were asked some |
| 8 | This issue is confined to a much smaller | 8 | questions at page seven of your report with |
| 9 | rate payer base. | 9 | respect to Liberty having found it striking |
| 10 | MR. ANTONUK: | 10 | that the five-year capital spending by Hydro |
| | A. Well, it is. I think the – what I was | 11 | |
| 11 | | 1 1 1 | and Newfoundland Power combined over the |
| 11 12 | | | and Newfoundland Power combined over the next five years has been proposed to be half |
| 12 | saying is particularly the nuclear era, the | 12 | next five years has been proposed to be half |
| 12 13 | saying is particularly the nuclear era, the consequences that were faced company by | 12 13 | next five years has been proposed to be half a billion dollars. And in other parts of |
| 12 13 14 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by | 12 13 14 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. |
| 12 13 14 15 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by customer group. But, you're right. The | 12 13 14 15 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. For instance, Table V.6 with respect to |
| 12 13 14 15 16 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by customer group. But, you're right. The causes were broad and people – certainly | 12 13 14 15 16 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. For instance, Table V.6 with respect to comparing operating expenses, employee and |
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| 12 13 14 15 16 17 18 19 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by customer group. But, you're right. The causes were broad and people – certainly different people managed different nuclear projects better and worse, but nobody got off without huge consequences. | 12 13 14 15 16 17 18 19 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. For instance, Table V.6 with respect to comparing operating expenses, employee and officer levels, across different Canadian Crown corporations as a sanity check, as the terminology. And I don't believe you've |
| 12 13 14 15 16 17 18 19 20 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by customer group. But, you're right. The causes were broad and people – certainly different people managed different nuclear projects better and worse, but nobody got off without huge consequences. MR. COXWORTHY: | 12 13 14 15 16 17 18 19 20 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. For instance, Table V.6 with respect to comparing operating expenses, employee and officer levels, across different Canadian Crown corporations as a sanity check, as the terminology. And I don't believe you've done that for this report, and I guess I'd |
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| 12 13 14 15 16 17 18 19 20 21 22 | saying is particularly the nuclear era, the consequences that were faced company by company and by company and customer group by customer group. But, you're right. The causes were broad and people – certainly different people managed different nuclear projects better and worse, but nobody got off without huge consequences. MR. COXWORTHY: Q. Sure, and you mentioned that at one point in response to questions from Mr. Browne, but | 12 13 14 15 16 17 18 19 20 21 22 | next five years has been proposed to be half a billion dollars. And in other parts of your report, you prepared comparator tables. For instance, Table V.6 with respect to comparing operating expenses, employee and officer levels, across different Canadian Crown corporations as a sanity check, as the terminology. And I don't believe you've done that for this report, and I guess I'd ask: was there any process, I guess, that's not evident from the report that Liberty |

Page 133 Page 135 Α. No, there was no – we have no – we've done 1 A. I don't think it forces them to ask 1 2 no investigations that would give us concern 2 different questions or make different 3 about whether any project proposed by either 3 judgments. I think it asks them to make 4 company was inappropriately proposed. We 4 them on a somewhat larger base of capital 5 have no – we've done no comparison of 5 costs and operating costs. 6 capital programs here versus elsewhere. The 6 MR. COXWORTHY: 7 7 only reason it was striking is that when we Q. But you're not concerned that it creates a 8 looked at the amount of dollars on a maximum 8 regulatory overburden on the Board or on 9 9 basis that could be saved through combining Nalcor or on Hydro? 10 Hydro and Nalcor – or Newfoundland Power, it 10 MR. ANTONUK: was obvious that even small changes, if 11 11 I don't have concern about it with respect A. 12 hypothetically achievable, in capital cost 12 to Nalcor or Hydro because I think the key 13 could produce similar savings. So that was 13 thing that they should be doing to justify 14 – what was striking was sort of the ability 14 their work better darn well be done before 15 for relatively moderate changes to produce 15 they come to the Board. I don't think the savings. It was not in any way a criticism 16 16 regulatory burden is particularly greater. of those proposals, nor an expression of With respect to the workload of the Board, 17 17 18 concern about any of the projects or of the 18 again they're already doing these things for Board's ability to address them as part of everything else. They're going to be doing 19 19 its normal processes. them for Muskrat Falls capital additions and 20 20 There's even another factor here too, 21 21 Muskrat Falls O & M cost – LCP's, I should 22 22 which is that, you know, we know the Board sav. sorrv. has a process going on now. There may or 23 23 MR. COXWORTHY: 24 24 may not be time to change its process now, Thank you. Thank you, Mr. Antonuk. If we Q. 25 but you know, these things come each year. 25 could turn to page 23 of the Liberty Report, Page 134 Page 136 1 So, we weren't even looking at it as 1 and this is with respect to the comparative 2 something that said, you know, the Board 2 Crown corporation financial targets, and Mr. 3 better do something different tomorrow. It 3 Antonuk, you've already been asked a number 4 was more, you know, as you look at capital 4 of questions, perhaps questions I might have 5 5 costs like this, if they're going to be asked myself, but I just want to 6 proposed at a sustained level, just making 6 contextualize what you've said in this 7 sure that they're analysed with the new 7 report with what I understood to be your 8 twist we're talking about, which is the 8 evidence here this morning, and, I guess, 9 balance between reliability and price that 9 under that Section 4, the last sentence 10 you kind of started me off with. 10 reads, "If there were a third hand, it would 11 MR. COXWORTHY: 11 be raised in favour of not pressing for a Would it be fair to say that if Government, 12 sustained level materially below 20 12 in its wisdom, restores or extends to the percent", and that's 20 percent of target 13 13 Board jurisdiction, the ability to regulate 14 equity, is that correct? 14 15 costs, capital investment costs on a go-15 MR. ANTONUK: 16 forward basis in relation to the Muskrat 16 Yes. I'm sorry. 17 Falls project and the associated components 17 MR. COXWORTHY: 18 of it, that that's only going to be a more 18 Q. "Given the open questions the province 19 challenging task for the Public Utilities 19 faces", and you, of course, expressed what 20 Board in future capital proceedings to 20 those questions are earlier in the 21 assess the wisdom, the appropriateness of 21 paragraph, "and their implications for its 22 that level of cost? Is that job going to 22 credit standing", and, I guess, my question 23 get easier for the Board or harder if that's 23 is, do you have any empirical evidence or 24 added to their task? 24 have you come across any empirical evidence 25 MR. ANTONUK: 25 that target equity or actual equity below 20

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| credit standing of any province where a Crown Corporation like this, an electric Crown Corporation like this, an electric Crown Corporation is operating? MR. ANTONUK: A. I'm going to let Randy answer, but keep in mind sustained is the issue there, and I think a better choice of words there would have been "steady state". So we didn't mean to say two years of sustained, three years of sustained. MR. COXWORTHY: MR. COXWORTHY: MR. COXWORTHY: MR. COXWORTHY: WR. VICKROY: WR. VICKROY: WR. COXWORTHY: WR. COXWORTHY: WR. COXWORTHY: WR. COXWORTHY: WR. COXWORTHY: WR. VICKROY: WR. COXWORTHY: WR. COXWORTHY: WR. VICKROY: WR. COXWORTHY: WR. VICKROY: WR. V |
| Crown Corporation like this, an electric Crown Corporation is operating? S MR. ANTONUK: S MR. ANTONUK: S MR. COXWORTHY: Q. And they, of course, have a very poor performance at 5 percent actual equity? MR. VICKROY: A. Yes. WR. COXWORTHY: Q. They are an outlier, aren't they, in that regard? The part of the level of frisk to the credit rating in terms of it might be a lesser risk a fair example of the point I was trying to get across. The AntoNUK: The part of the level of the point I was trying to get across. Yes. Delieve that the main audience we're talking about here really is the rating a gencies. The rating agencies work for debt holders. Of course, since debt holders and raising debt capital are very important in this business, getting their attention is important. I think, for instance, the Manitoba Hydro case, they're trying to finish a very large production and transmission project, which is even more expensive than Muskrat Falls is, and they're under severe pressure there as to how much the circustomers too badly, while also allowing generation of enough funds from operations in order to satisfy the debt holders, and it's that balance that S MR. VICKROY: A. Well, again the real important factor is the funds flow from operations, and that would be, of course, a combination of the equity level and the rate of return on equity, and bow much the company actually earns on the return. So all of those factors come into whether they have sufficient funds from operations or not. I mean, a rating agency isn't going to say, hey, last year your earnings were insufficient and the cash flow was insufficient. You know, they're not knee-jerk reactors at all. This takes a move. S MR. VICKROY: A. Yes, eacatly, A. Yes, A. Yes, eacatly, A. Yes, A. Yes, A. Yes, eacatly, A. Yes, A. Yes, A. |
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| 16 as opposed to a steady state of a lower – 17 MR. ANTONUK: 17 level and the rate of return on equity, and how much the company actually earns on the trying to get across. 19 return. So all of those factors come into whether they have sufficient funds from operations or not. I mean, a rating agency isn't going to say, hey, last year your earnings were insufficient and the cash flow was insufficient. You know, they're not knee-jerk reactors at all. This takes a Page 138 agencies. The rating agencies work for debt a depth holders. Of course, since debt holders and raising debt capital are very important in this business, getting their attention is important. I think, for instance, the Manitoba Hydro case, they're trying to finish a very large production and transmission project, which is even more expensive than Muskrat Falls is, and they're under severe pressure there as to how much the company actually earns on the return. So all of those factors come into whether they have sufficient funds from operations or not. I mean, a rating agency isn't going to say, hey, last year your earnings were insufficient and the cash flow was insufficient. You know, they're not knee-jerk reactors at all. This takes a Page 138 long time for something like that to show up, and it's only after its proven that they have insufficient funds flow do they make a move. MR. COXWORTHY: Q. It's not a year or two of being under 20 percent that's a problem. MR. VICKROY: MR. COXWORTHY: MR. COXWORTHY: MR. VICKROY: MR. COXWORTHY: MR. VICKROY: MR. VICKROY: |
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| certainly Manitoba is struggling with, and 16 Q. And I think you said that ultimately it's a |
| it would be the case for all Crown 17 question for government to balance those |
| 18 Corporations. 18 risks, but, I guess, the extent that you're |
| 19 MR. COXWORTHY: 19 making or identifying opportunities, if I |
| 20 Q. Do you have any examples or any empirical 20 can put it that way, or call them |
| 1 = - / January and anti-part of the party and the party a |
| 21 evidence where, in fact, there has been, for 21 recommendations that are then going to feed |
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| 21 evidence where, in fact, there has been, for 21 recommendations that are then going to feed |
| evidence where, in fact, there has been, for 21 recommendations that are then going to feed instance, the Manitoba Hydro example, a 22 into recommendations that the Board may make |

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| | Page 141 | | Page 143 |
| 1 | percent? | 1 | the period we're talking about. |
| 2 | MR. ANTONUK: | 2 | MR. COXWORTHY: |
| 3 | A. No, it was really more an attempt to say if | 3 | Q. Thank you, Ms. Greene. If we could move on |
| 4 | you look at the targets, 25 percent is | 4 | to page 82 of the Liberty Report, and Table |
| 5 | certainly in the range, and it's not fat by | 5 | V.6, you were asked questions by Mr. Eaton |
| 6 | comparison. So we started from that and our | 6 | yesterday about this table, and again I |
| 7 | analysis was more an attempt to say with | 7 | don't know that it's necessary to turn to |
| 8 | reference to the 20 percent is what will it | 8 | the particular passage, but I am just going |
| 9 | buy you in terms of mitigation. Then I | 9 | to – Mr. Eaton, in relation to the table |
| 10 | think the last point is really designed to | 10 | said, "When you take all of that in |
| 11 | say that, look, we're not weighing in on | 11 | consideration, right, every one of these |
| 12 | what you should do in the short run, we're | 12 | numbers could be adjusted for some factor or |
| 1 | · | | · · |
| 13 | not weighing in on whether it should be 25, | 13 | another", and you didn't agree with that |
| 14 | 20, or maybe even 18. What we are saying is | | proposition? |
| 15 | that 20 percent, however, is kind of a long- | 15 | MR. ANTONUK: |
| 16 | term marker that should say to you, if you | 16 | A. Well, maybe I should read it because I don't |
| 17 | want to keep it below 20 percent on a long- | 17 | remember that. |
| 18 | term basis, allow the province the | 18 | MR. COXWORTHY: |
| 19 | discretion to say whether that's comfortable | 19 | Q. Well, I'll direct you to your evidence if |
| 20 | enough or not. | 20 | you wish. |
| 21 | MR. COXWORTHY: | 21 | MR. ANTONUK: |
| 22 | Q. And you have identified, or calculated, or | 22 | A. Thanks. |
| 23 | estimated that dropping from 25 to 20 | 23 | MR. COXWORTHY: |
| 24 | percent would represent about 110 million | 24 | Q. Page 156. You did go on to say why you |
| 25 | dollars in savings per year in terms of | 25 | didn't agree with that. |
| | Page 142 | | Page 144 |
| 1 | revenue requirement? | 1 | MR. ANTONUK: |
| 2 | MR. ANTONUK: | 2 | A. 156? |
| | A. It would represent an advance of 111 million | _ | |
| 1 3 | | 3 | MR. COXWORTHY: |
| 3 4 | | | MR. COXWORTHY: O. Yes, starting at line 10. |
| 4 | dollars, for which you would pay a little | 4 | Q. Yes, starting at line 10. |
| 4 5 | dollars, for which you would pay a little more than 111 later. | 4 5 | Q. Yes, starting at line 10. MR. ANTONUK: |
| 5 6 | dollars, for which you would pay a little more than 111 later. MR. COXWORTHY: | 4 5 6 | Q. Yes, starting at line 10.MR. ANTONUK:A. Okay. I was so emphatic; I should have |
| 4 5 6 7 | dollars, for which you would pay a little more than 111 later. MR. COXWORTHY: Q. Thank you, and if you were to drop from 20 | 4 5 6 7 | Q. Yes, starting at line 10.MR. ANTONUK:A. Okay. I was so emphatic; I should have remembered it. I now do. |
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October 4, 2019 Muskrat Falls - Rate Mitigation Review Page 147 Page 145 provide the ratios with respect to with or 1 way, I would have made the team do that. So 1 2 without including the output of Churchill 2 this was my way of looking at a way of 3 Falls in the bottom two lines. I guess, I'd 3 saying, you know, is there anything I see in 4 ask you to comment on why is it important 4 these numbers that tells me that we were too 5 for the Board, and anyone who's looking at 5 heavy handed. 6 this, to understand the difference of those 6 MR. COXWORTHY: 7 7 ratios with or without Churchill Falls? And you haven't changed your conclusion in O. that regard that you have not been too heavy 8 MR. ANTONUK: 8 9 9 Oh, a very large unit can produce a very big handed? 10 change in output, and that diminishes the 10 MR. ANTONUK: value of comparing it this way because 11 11 No. A. 12 12 employee needs aren't a function of output MR. COXWORTHY: on large hydro projects. If they were, then 13 If we could turn to, and this is again in 13 Q. your report, page 94, and Figure VII.3, Rate 14 I think you'd say if you use the Churchill 14 Impacts of Financial Mitigation 15 Falls ratio, it would conclusively prove 15 that Muskrat Falls is grossly overstaffed, Opportunities, and I think this is just an 16 16 which is not our conclusion. So I wanted to example. You refer to domestic rate 17 17 18 get another measure and I don't think the 18 mitigation by year, and there's been other references to domestic rates, and I just 19 measure is without value, but I think when 19 vou consider the existence of an out-size wanted to clarify or confirm my 20 20 21 unit like Churchill Falls, you at least need 21 understanding, does that exclude industrial 22 to bound the numbers by saying "with" and 22 rates or does that include industrial rates? "without". When I say "industrial", I mean rates of the 23 23 24 24 industrial customers of Hydro. (12:15 p.m.) 25 MR. COXWORTHY: 25 MR. LETZELTER: Page 146 Page 148 1 Q. Sure. So when we're looking at Table V.7, 1 A. Yes, one of the benchmarks we were looking 2 what comparators are the more valid ones for 2 to impact was the domestic rates, so that 3 the Board to consider? Is it the ones 3 was the target we were trying to adjust for 4 "with" or "without" the Churchill Falls in 4 mitigation. 5 5 terms of the point you're trying to make MR. COXWORTHY: 6 between – the sanity check that you're 6 And I don't mean that question as an implied O. trying to exercise? 7 7 criticism. You may not have had the data or 8 MR. ANTONUK: 8 all of the data to factor in industrial 9 I'd do it a different way. I'd say that the 9 rates. 10 existence of that large out size unit has a 10 DR. LETZELTER: much more dramatic impact on the results 11 11 No, we used a module within our mitigation 12 than any changes that might – or any 12 model that was based on Nalcor's own model differences that might exist with respect to for assessing the impact of revenue 13 13 14 employees, customers, or the other factors. 14 requirement adjustments on rates, but it's 15 So I tend to use that to say I would place 15 not a rate making or a policy decision on 16 less emphasis on the GWh factor as a whole. 16 our part. We just allowed the mitigation MR. COXWORTHY: 17 dollars to flow through that model to 17 18 Q. Okay. 18 understand the general approximate impacts 19 MR. ANTONUK: 19 to that domestic. 20 By the way, again we don't place primary 20 MR. COXWORTHY: 21 evidence on any of them. You know, what we 21 And that model just happened to be a Q. 22 would have done had any of these ratios come 22 domestic rate model? 23 into closer balance with means and average, 23 DR. LETZELTER: 24 we would have gone back and done our direct 24 A. The model also showed industrial class

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analysis again. I'll put it a different

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impacts as well, but we were focused on the

Page 149 Page 151 MR. ANTONUK: impact to the domestic rates. 1 1 2 MR. COXWORTHY: 2 I think once a level of mitigated revenue A. 3 3 requirements are determined, the Commission To the extent you recall or can comment, did Q. 4 the results for industrial rates differ when 4 is going to face on an ongoing basis the 5 you ran – for instance, for this table here, 5 need to how to proportion the recovery of 6 would they differ? 6 them, but our point being that we didn't 7 DR. LETZELTER: 7 really seek to do that. 8 A. Yes. 8 DR. LETZELTER: 9 9 MR. COXWORTHY: By saying we're not showing the impacts to 10 Q. Significantly, materially, if you were 10 the industrial class does not in any way looking at it from the perspective of an mean that we took the full mitigation and 11 11 12 industrial customer? 12 applied it to the domestic. 13 DR. LETZELTER: 13 MR. COXWORTHY: 14 A. I would say they were significant, but I 14 O. I was hoping not, but thank you for that 15 can't point to specific numbers without 15 confirmation. going into the model because we really 16 16 MR. ANTONUK: 17 didn't focus on that. 17 There was no effort to leave you out in the 18 MR. COXWORTHY: 18 cold. MR. COXWORTHY: 19 19 O. And why not? DR. LETZELTER: I think with that, those are all my 20 20 21 Frankly, we did as directed, and the key 21 questions. Thank you very much, gentlemen. 22 point for us to look at was the domestic 22 CHAIR: rate. The model is something that can be 23 23 Thank you, Mr. Coxworthy. Ms. Greene, do Q. 24 used going forward to look at the impact of you have any follow-up that you need to take 24 25 rates on different customer groups. 25 the panel through? Page 150 Page 152 MR. COXWORTHY: 1 1 GREENE, Q.C.: 2 2 Q. That takes me back to a comment that Mr. No, thank you, Madam Chair, I have no re-Q. 3 Antonuk made in his evidence yesterday. 3 direct or no additional questions. 4 It's at page 28, and again I don't know if 4 CHAIR: 5 5 we need to turn to it, but you talk about, I Thank you. Any questions? Q. 6 think, we operate the model in two ways. 6 MS. NEWMAN: 7 One is to show total revenue requirements, 7 No questions. 8 dollars and cents per kilowatt hour, we did 8 CHAIR: 9 9 not do segregation by customer class. We O. And I don't have any questions, so I guess 10 did total revenue requirement, and then you 10 with that, we can bring this day to a close. go on to say that Synapse will say things 11 I thank you, panel. You've been two full 11 about individual classes. You haven't done days at least or the better part of two full 12 12 that. You haven't done any segregation by days, and I wish you safe travels home. I'm 13 13 customer class, is that correct? 14 assuming we'll see at least one of you 14 again, I think, soon. 15 DR. LETZELTER: 15 16 Not in terms of the overall mitigation in MR. ANTONUK: A. 16 17 terms of dollars, no. 17 Possibly. Α. 18 MR. COXWORTHY: 18 CHAIR: 19 Is someone going to need to do that in this 19 O. So with that, I guess, we're adjourned for O. 20 rate mitigation exercise? If it wasn't 20 today. We're reconvening at 9 a.m. on within your scope, if it wasn't what you 21 Monday, and Synapse will be sitting where 21 22 were directed to do, does it need to be done 22 Liberty is today. Have a good weekend, 23 to understand rate mitigation vis-à-vis the 23 everybody. 24 industrial customers and what may be 24 (UPON CONCLUDING AT 12:22 p.m.) 25 possible, necessary? 25

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| CERTIFICATE | |
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| I, Judy Moss, hereby certify that the foregoing is a true and correct transcript in the matter of Reference to the Board, Rate Mitigation Options and Impacts, Muskrat Falls Project, heard on the 4th day of October 2019 before the Newfoundland and Labrador Board of Commissioners of Public Utilities, 120 Torbay Road, St. John's, Newfoundland and Labrador and was transcribed by me to the best of my ability by means of a sound apparatus. | |
| Dated at St. John's, Newfoundland and Labrador this 4th day of October, 2019 | |
| Judy Moss | |
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