

NOVA SCOTIA ENERGY BOARD

IN THE MATTER OF: *THE PUBLIC UTILITIES ACT*

- and -

**IN THE MATTER OF: OF A GENERAL RATE APPLICATION BY NOVA SCOTIA
POWER INCORPORATED (NS Power) for approval
of approximately \$284 million of its **ANNUAL
CAPITAL EXPENDITURE (ACE) PLAN** for 2026
which totals \$702.1 million**

TRANSCRIPT

HEARD BEFORE: Mr. Richard J. Melanson, LL.B., Panel Chair
 Mr. Steven M. Murphy, MBA, P.Eng., Member
 Ms. Jennifer L. Nicholson, CPA, C.A., Member

PLACE HEARD: Offices of the Nova Scotia Energy Board
 1601 Lower Water Street, 3rd Floor
 Halifax, Nova Scotia

DATE HEARD: Wednesday, April 22, 2026

APPEARANCES:

APPLICANT: **Nova Scotia Power Inc. (NSP)**
 Ms. Jennifer Power, Counsel
 Ms. Kathleen Murray, Counsel

INTERVENORS: **Consumer Advocate**
 Mr. David J. Roberts, Counsel
 Mr. Michael Murphy, Counsel

Small Business Advocate

Ms. Rebekah L. Powell, Counsel

Industrial Group

Ms. Brianne Rudderham, Counsel

Ms. Kaitlyn Clarke, Counsel

Port Hawkesbury Paper LP

Ms. Melanie Gillis, Counsel

**Nova Scotia Independent Energy System
Operator (IESO Nova Scotia)**

Mr. David A. Luther, General Counsel

Mr. Mark Peachey, Director of Regulatory

Nova Scotia Department of Energy

Mr. Thomas Kayter, Counsel

Mr. Girish Patel, Engineer

Eastward Energy Inc. (not present)

Ms. Allison Coffin, Director, Regulatory and
Government Relations

Ms. Angela Costello, Analyst, Regulatory Affairs

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Halifax, Nova Scotia

--- Upon commencing on Wednesday, April 22, 2026 at 9:00
a.m.

THE CHAIR: Good morning, everyone.
Welcome back.

We're going to start the proceeding
today with questions from the Board Panel. We'll start
with Mr. Murphy, but before we start, just a reminder to
the panel that you're still under oath.

Also, you will notice we've got one
person attending from home today, and they're -- you can
see her on camera.

So with that, we'll start with Mr.
Murphy.

1 DAVID ARTHUR PICKLES, Resumed:

2 TREVOR ARCHIE BEATON, Resumed:

3 LYNNE ANNE DROVER, Resumed:

4 JONATHAN ROSS CLARK MacINTOSH, Resumed:

5 CHARLENE DEEANNE (Sp?) MacMULLIN, Resumed:

6 ERIN CHRISTINE PEACHEY, Resumed:

7 MEMBER MURPHY: Thank you, Mr. Chair.

8 QUESTIONS FROM MEMBER MURPHY

9 Q. Good morning, panel. I've just
10 got a couple of -- actually, I have a lot of questions,
11 but I have a couple of what I call the short snappers, my
12 Reach for the Top short snappers, so whoever wants to
13 answer these, feel free.

14 In response to Board IR-3(e) -- I
15 won't get Rob to call this up; I'll just read it. Nova
16 Scotia Power said:

17 Energy storage is included in the
18 transmission function for the purposes of
19 capital tracking. However, from a cost-of-
20 service perspective, these assets have been
21 proposed to be refunctionalized to

1 generation.

2

3

And I guess my question is, really,

4

why -- for the purposes of capital tracking, why aren't

5

energy storage assets functionalized -- or classified to

6

generation?

7

A. (Pickles) Yes, good morning.

8

The move to power production really is

9

just to align how, operationally, we're going to manage

10

the site, so there's really good alignment with how we're

11

currently structured with our wind farms. We manage long-

12

term service agreements on the wind properties that are

13

either owned or operated on our -- in the province, so

14

similarly, the battery sites are under a long-term service

15

agreement as well, so they will be managed within the

16

power generation group per se.

17

Q. So the intent -- so they'll still

18

be, for capital purposes, tracking -- I guess they'll be,

19

I guess, functionalized to transmission. You don't intend

20

on moving the generation.

1 A. (Pickles) That's correct.

2 Q. Okay. Thank you.

3 **MEMBER MURPHY:** Another quick one,
4 Rob, if I could get you to call up Exhibit N-1, PDF page
5 15.

6 **BY MEMBER MURPHY:**

7 Q. That graph there, Figure 2, shows
8 total annual capital expenditures by function. And just a
9 real quick question here. In response to Board IR-3(f),
10 Nova Scotia Power provided a spreadsheet with this table.

11 And I can get Rob to call it up for
12 you if you want, but for 2024 the spreadsheet showed a
13 total of 487.2 million. All the other years in the
14 spreadsheet were -- matched this particular figure, but
15 2024 appeared to be off.

16 So I'm curious which is the right
17 number, really.

18 A. (Beaton) Could you bring up the
19 IR?

1 Q. Sure. It's the spreadsheet for
2 the IR.

3 A. (Beaton) Okay.

4 Q. There's an attachment.

5 **MEMBER MURPHY:** Rob, maybe you can
6 bring it up. It's Exhibit 6(i).

7 (SHORT PAUSE)

8 **BY MEMBER MURPHY:**

9 Q. There you go.
10 So you can see 2024, it's 487.2. And
11 like I said, all the other years appear to match Figure 2,
12 so it suggests that maybe one of those has an error in it.

13 A. (Beaton) Correct, yeah. I would
14 want to take it away as an undertaking just to confirm
15 which is which -- which is the proper one.

16 Q. Okay.

17 **THE CHAIR:** Okay. So Undertaking U-17
18 would be to confirm whether the table in -- or -- yeah,
19 the table, I'll call it, in IR-3, that's N-6(i), is the

1 correct one or whether it's the one from the -- from page
2 15 -- PDF page 15, Figure 2 of N-1.

3 UNDERTAKING U-17 - To confirm

4 which table is correct from IR-3

5 MEMBER MURPHY: Thank you.

6 And my last sort of short snapper here
7 is, Rob, if you could call up N-1, PDF page 138.

8 BY MEMBER MURPHY:

9 Q. And this is -- this shows all the
10 depreciation rates that were included within the ACE Plan.
11 It shows the 2026 depreciation rates in the ACE Plan.

12 And to me, these appear to be a little
13 bit different than the depreciation rates that were
14 included in the GRA in the Settlement Agreement.

15 I can call those up if you want, but
16 they are different. So I guess my first question is, the
17 fact that they're different, does it have any impact on
18 the ACE Plan except for changing this particular figure?

19 A. (Beaton) It would have no impact,

1 no. It would have included the approved depreciation
2 rates at the time of the ACE filing, but upon the
3 invocation of the GRA in April it switched to the new
4 rates. So it would have no impact on the actual ACE Plan
5 for any of the numbers included.

6 Q. Okay, perfect.

7 Mr. Chair, maybe just for the record
8 because -- I think the GRA depreciation rates will, in
9 fact, be the 2026 depreciation rates; correct?

10 A. (Beaton) Yeah, we will implement
11 those rates in the initial months after final approval.

12 Q. So maybe, for the record, if --
13 you know, for the purposes of next year's ACE Plan, if
14 folks are comparing plans, maybe for the record we should
15 get the updated ---

16 **THE CHAIR:** The only thing is that it
17 will only be -- I mean, formally finally updated when the
18 final Order is issued, which will depend on when -- I'm
19 not involved in the GRA, but I know there's been a back

1 and forth with respect to certain issues, so the question
2 is timing.

3 MEMBER MURPHY: Okay. I don't think
4 the depreciation rates are going to change.

5 THE CHAIR: No, no, no. It's not that
6 the depreciation rates are going to change, so...

7 MEMBER MURPHY: I'm fine. Let's leave
8 it.

9 THE CHAIR: I mean ---

10 MEMBER MURPHY: We have long memories.
11 We'll remember.

12 MR. BEATON: It is important to note
13 that these depreciation rates will be utilized, and have
14 been utilized, for the first few months of the year as
15 well.

16 MEMBER MURPHY: Right, yeah.

17 THE CHAIR: Until the actual order is
18 issued.

19 MEMBER MURPHY: Okay. Thank you.

1 BY MEMBER MURPHY:

2 Q. Okay. I'll move on to -- I have
3 some specific questions on some of the projects that have
4 been submitted for approval.

5 And I think my first set of questions
6 -- Ms. Drover, you might have thought you got off easy
7 yesterday, but maybe not today.

8 So I think these first questions might
9 be for you, but if not, I'll leave it to the panel to
10 decide.

11 So my first questions are related to
12 the Tufts Cove Shoreline Refurbishment Project. So would
13 those be for you, Ms. Drover?

14 A. (Drover) Yes, they would.

15 Q. Okay. Thank you.

16 MEMBER MURPHY: Rob, can you call up
17 Exhibit N-1, PDF page 155, please?

18 BY MEMBER MURPHY:

19 Q. And this is just -- this is a

1 | minor question, but I was curious why the design of
2 | bathymetry and surveying number was redacted.

3 | A. (Beaton) Mr. Murphy, that number
4 | is simply redacted so as the two totals for the materials
5 | and contract number can't be figured out. So we are
6 | required to redact one other number in the filing so as
7 | nobody can calculate the end costs for the materials and
8 | contracts.

9 | Q. Okay.

10 | A. (Beaton) So when we have a total
11 | that we need to keep redacted, we ---

12 | Q. Understood.

13 | A. (Beaton) --- are forced to redact
14 | one other number ---

15 | Q. Okay.

16 | A. (Beaton) --- just to -- and it
17 | would have just been chosen almost at ---

18 | Q. Sure. That's fine. Thank you.

19 | MEMBER MURPHY: Rob, maybe you could

1 go to PDF page 166, then.

2 And Ms. Drover, in this -- this is
3 Board IR-69 -- I may have the wrong page there, Rob. It's
4 Board IR-69(a).

5 Sorry; it's in Exhibit N-6, Rob. PDF
6 page 166.

7 **BY MEMBER MURPHY:**

8 [9:10:03] Q. So in that Board IR-69(a)(i), the
9 Board asked Nova Scotia Power to provide an EAM and a Net
10 Present Value analysis for the three options that were
11 presented in the -- I'll call it the Options Analysis
12 Report. The three options are, I think, a combi-wall,
13 retaining wall, and the selected option in which was a
14 rock revetment option.

15 So in the IR, the Board asked for the
16 EAM which would outline capital costs for all those
17 options and the operating costs, a typical EAM that Nova
18 Scotia Power would provide for any capital project.

19 **MEMBER MURPHY:** In response -- if you

1 want to scroll down to the next page, Rob.

2 **BY MEMBER MURPHY:**

3 Q. Nova Scotia Power said neither a
4 cost/benefit analysis nor an EAM was required for the
5 project. Instead, an options analysis was completed by a
6 third party, the third party being a consultant. And it
7 was attached to a capital work order in the Application as
8 Attachment 1. And the IR response goes on to say:

9 The options analysis indicated that there
10 were two alternatives that met the design
11 criteria...Of those two options, the [rock]
12 revetment option was considerably more cost-
13 effective and did not have any higher future
14 costs that would require an EAM or NPV
15 analysis.

16
17 **MEMBER MURPHY:** So Rob, you can go
18 back to N-1, PDF page 175.

19 **BY MEMBER MURPHY:**

20 Q. Ms. Drover, I have a few
21 questions on that options analysis and the way each option
22 was scored.

23 So here's the scoring criteria for

1 | each one of those options. The three criteria were --
2 | sorry, four criteria -- were meet design criteria,
3 | weighted 40 percent; impact on existing operations,
4 | weighted at 25 percent; environmental permitting
5 | considerations at 15 percent, and probable cost weighted
6 | at 20 percent.

7 | I guess my first question was, how was
8 | it decided that those were the four, I guess, best
9 | criteria in which to rank each one of those options? The
10 | second part of that question is, how was it decided that
11 | each of those particular weights would be assigned to
12 | those criteria; and, in particular, why was cost assigned,
13 | you know, the second load?

14 | A. (Drover) Thank you, Mr. Murphy.

15 | So to develop the weightings for the
16 | four different criteria, that was done through
17 | conversations with internal subject matter experts, as
18 | well as consultants. And first and foremost, the option
19 | needed to meet the technical or design criteria in order

1 | to meet the requirements for the project, but also it was
2 | very important that we gave a significant weighting to the
3 | cost of the project.

4 | Q. But the weighting for cost was
5 | the second lowest.

6 | A. (Drover) That is correct. So
7 | making sure that the option met the design criteria was
8 | the most important. And one of the options did not meet
9 | the design criteria, as I'm sure you've read in that
10 | document, because it did not meet the structural integrity
11 | that was required. So starting at that point, making sure
12 | that we were meeting the design criteria, and then moving
13 | forward and looking at the cost.

14 | Q. I know you just reiterated what
15 | the IR suggested, that two of the options met the design
16 | criteria, and I understand what you're saying about you're
17 | saying about the retaining wall, but the scoring
18 | methodology, it says option -- a score of one indicates
19 | that the option "Vaguely meets the design criteria," so

1 I'm not sure how that translates into not meeting the
2 design criteria, and there were certainly some
3 recommendations in the study that -- or this analysis --
4 there's a recommendation for potential further study of
5 that retaining wall option to perhaps confirm that that
6 option would, in fact, entirely meet the design criteria.

7 So can you just explain to me how you
8 translate "Vaguely meets the design criteria" with the
9 potential to do a little bit more work to assess whether
10 in fact it does meet the criteria, how that translates
11 into it doesn't meet the design criteria?

12 **A.** (Drover) At the current
13 evaluation, it did not meet the design criteria, as noted
14 -- or as you just noted. With a little more work,
15 potentially, could provide some stability. However, just
16 reviewing that option, I think, might be helpful. Maybe
17 not everybody is as familiar as we are.

18 So the stability of the current
19 shoreline sheet pile is quite deteriorated and does not

1 provide the required stability that's needed, so that
2 retaining wall option was to add a layer or encapsulate
3 that current retaining wall in concrete, and then on top
4 of it build an additional retaining wall structure.

5 So there continued to be concerns
6 because even the encapsulation of the retaining wall
7 meeting the necessary and longevity of what was required
8 for the stability of the shoreline remained a concern for
9 both our internal subject matter experts, as well as our
10 consultants. So that option, with our lack of confidence
11 that it would provide that long-term stability that was
12 needed for decades, was eliminated as an option at the
13 preliminary stage.

14 Q. But wasn't the recommendation to
15 do further study? Would that have not have, I guess,
16 reconfirmed your confidence that that particular option
17 would or would not have met the design criteria?

18 A. (Drover) Further study would
19 absolutely provide more information. I would say that we

1 weren't confident that further study would necessarily
2 provide us the assurances that we would need in order to
3 place that option as a viable option.

4 In addition, that option was priced
5 very similarly to the rock revetment option. So having an
6 option that met the design criteria that was a similar
7 price in the preliminary costing, and not going forward
8 spending the additional funding that would require to do
9 the additional study work, it was decided to proceed with
10 the rock revetment option.

11 **Q.** Okay. I have some more questions
12 about the costing, but the costing that's been presented
13 now, based on the tender price, is a lot more than the
14 costing for that particular option that was presented in
15 the Options Analysis Report.

16 **A.** (Drover) That is correct.

17 **Q.** I'm just curious. If an option
18 doesn't meet design criteria, why would it even be
19 presented as an option?

1 **A.** (Drover) Well, I think it's fair
2 to say that at the time when the different options were
3 identified, it was potentially considered to be an option
4 that may be feasible. And through the preliminary
5 analysis was found that it wasn't feasible. So for
6 completeness it was an option that was initially evaluated
7 in the preliminary engineering work, so it was shown and
8 presented in the report.

9 [9:20:04] **Q.** Okay. I kind of got sidetracked,
10 but I'll get back to my questions about the analysis and
11 the scoring. With the weighting and the way it was
12 scored, you know, a score of 1 -- let me just if I -- if I
13 pick design criteria I have a weighting of 40 percent if
14 you got a score of 1 you were given 40 points, if you got
15 a score of 2 you're given 80 points, if you got a score of
16 3 you're given 120 points. Is that correct?

17 **A.** (Drover) I would have to
18 refamiliarize myself with the scoring, ---

19 **Q.** Well, just look at -- if you just

1 | look ---

2 | A. (Drover) --- but subject to
3 | check.

4 | Q. If you just look at Table 3
5 | that's for the combi-wall, you see it got a score of
6 | three, the weighting's 40 percent, which gives it a
7 | weighted score of 120. Do you see that?

8 | A. (Drover) Yes, I do.

9 | Q. Okay. So my question really is
10 | why not if you're using the weighted system, a scoring
11 | system like that, why not just -- you know, the -- why not
12 | just give it a score out of 40 instead of putting the
13 | weight on it? If you give it a score of 40 and let's say
14 | hypothetically you thought one particular option, you
15 | know, met half the design criteria, if you want to call it
16 | that, it would get a score of 20, so a spread of 20 points
17 | between that option and the preferred option. In this
18 | particular case you're getting a spread of 80 between the
19 | least preferred option and the preferred option. And in

1 fact you could -- and you could argue, well, you know, the
2 means of scoring are one, two, three, that's a bit
3 arbitrary. You get one, two, three, four, five and -- so
4 why not -- why not just give it a score of 40?

5 **A.** (Drover) I think the methodology
6 that you suggested is absolutely an option to do in either
7 way. Whether you take the scoring and use it as a divisor
8 or a multiplier on the weighting, mathematically we would
9 end up with the same order of the rankings in the end. I
10 appreciate your point that the spread would be bigger
11 because the overall totals would be larger by doing a
12 multiplication method versus a division method in the
13 weighting. However, it would not change the resulting
14 order of the options in the end.

15 **Q.** Assuming the -- that's assuming
16 the -- you know, the preferences for -- that would be
17 assuming -- if I use this example of the score of 40 that
18 if you just used 40 as your scoring point that would
19 assume the least option would get a third of those -- in

1 | order to be comparable at this particular scoring your
2 | least favourable option would get a third ---

3 | A. (Drover) Of 40.

4 | Q. --- of 40.

5 | A. (Drover) Yes.

6 | Q. Which -- I don't know -- it may
7 | -- it could happen, I suppose, in reality, but I'm not
8 | sure if it would or not. I understand your point.

9 | A. (Drover) I thank my colleagues
10 | for their contribution that -- I also would like to
11 | acknowledge that this is the CBCL report and their
12 | recommended weighting, and also acknowledge that CBCL are
13 | subject matter experts or experts in this field, and this
14 | was the methodology that they recommended.

15 | Q. I understand that, but it still
16 | can be -- it still can be critiqued by the Board
17 | certainly.

18 | A. (Drover) Absolutely.

19 | Q. And this was the methodology that

1 was used to select the preferred option.

2 A. (Drover) Yes.

3 Q. In terms of the weighting for the
4 cost, again it was weighted 20 percent and ---

5 MEMBER MURPHY: Scroll down a little
6 bit, Jeff -- or Rob, to the next page.

7 BY MEMBER MURPHY:

8 Q. Option 2 was given a score of 2;
9 that's the retaining wall option. And Option 3 was given
10 a score of 60; that was the preferred option.

11 MEMBER MURPHY: When you go to I think
12 it's -- if you scroll up a few pages, Rob. Keep going.
13 Right there.

14 BY MEMBER MURPHY:

15 Q. If you look at the cost -- right
16 there. If you look at the costing percentage-wise -- I
17 guess my question is really why wasn't the cost scoring
18 related to these options done on a pro-rated basis rather
19 than the way it was presented by CBCL? If it was done on

1 a pro-rated basis, you know, the score for the retaining
2 wall option would have been about 15 percent lower than
3 the score for the rock revetment option. Instead it was
4 about 33 percent, or there was a spread of 20 points
5 between the rock revetment option and the retaining wall
6 on cost, whereas if it was done on a pro-rated basis based
7 on the actual cost the spread would have only -- I don't
8 know if it would have made a difference in terms of the --
9 you know, the preferred option, but the spread would have
10 only been three.

11 **A.** (Drover) Thank you. I am
12 following what you're saying. Again, I will go back to
13 this was the recommended approach from CBCL, and in the
14 end it would not have changed the decision. The rock
15 revetment option met the design criteria. The retaining
16 wall option was eliminated because of concerns with
17 meeting the design criteria of providing the necessary
18 structural stability.

19 So if that had have been a weighted

1 option or the option recommended by CBCL it would have
2 ended up in the same decision.

3 Q. Okay. Thank you.

4 I don't think there's any need to call
5 this up, Jeff, but in the contingency statement for the
6 project it talked about the contingency covers additional
7 feedback that might be received from the Department of
8 Fisheries and Transport Canada and whatnot, and then in
9 response to Board IR-72, Nova Scotia Power notes that the
10 project based -- I guess based upon feedback from both
11 those organizations indicates the *Fisheries Act*
12 authorization is going to be required for that particular
13 project and is planned to be submitted for approval in
14 February of 2026. My question is, what's the status of
15 that FFA Application?

16 A. (Drover) That *Fisheries Act*
17 authorization was submitted in the month of March. So
18 that has been submitted.

19 Q. And I know there's been a history

1 with other Nova Scotia Power projects that required a
2 *Fisheries Act* authorization with delays associated with
3 actually obtaining that approval. And in one particular
4 case I can recall the delay was quite significant. Do you
5 expect any delays associated with this approval?

6 A. (Drover) We do not in this case.
7 The submission in this case is very different than the
8 submissions associated, for example, with our hydro
9 projects, and we have had active engagement with DFO, NSE,
10 as well as Transport Canada throughout the preliminary
11 stages of this project. So we are not, at this time,
12 expecting delays.

13 Q. Okay. And notwithstanding what
14 you noted earlier about Option 2, the retaining wall
15 option, and that it was kind of just discarded; I have
16 some more questions about that, but would Option 2 have
17 required at FAA? My understanding about Option 2 is that
18 -- at least in the material I looked at is it didn't
19 require an extension to the cooling water intake line

1 | whereas the other two did. So in that respect would that
2 | option have required an FAA?

3 | **A.** (Drover) I would have to take
4 | that away. And I agree with your thoughts about the work
5 | product being on the shoreline; however, there may be
6 | construction activities that would impact the water. And
7 | if those construction activities in any involved
8 | disturbances within the water, a *Fisheries Act*
9 | authorization would be required.

10 | So I do not have the -- that
11 | information with me on hand. I would have to take that
12 | away to look. But I can say confidently that I would
13 | imagine that doing this work so close to the shoreline
14 | would involve interaction with the water and, in doing so,
15 | would require a *Fisheries Act* authorization.

16 | [9:30:32] **Q.** Okay. Thank you.

17 | I don't need the -- I don't need an
18 | undertaking on that. I hear what you're saying.

19 | In terms of the contingency amount

1 | that's included in the project cost amount right now, does
2 | that incorporate a contingency for the feedback that you
3 | have received from Department of Fisheries and Department
4 | of -- Transport Canada?

5 | A. (Drover) Yes, it does.

6 | Q. The project, when it was
7 | considered in the options analysis, there was no
8 | discussion about work scheduling and whatnot. Now, I
9 | understand that the project is scheduled to occur at the
10 | same time as the planned outage for Tufts Cove 3. Is that
11 | correct?

12 | A. (Drover) That is correct.

13 | Q. Okay. Is there any provisions
14 | in the -- I don't know if you have a contract yet for that
15 | particular contract or maybe in the tender documents, is
16 | there any provisions in that -- in those documents for
17 | liquidated damages or penalties if the project's not
18 | completed by the November 24th end of the planned outage?

19 | A. (Drover) The work that would have

1 the most significant impact on Tufts Cove 3 would be the
2 extension of the cooling water intake, which would be work
3 that would happen at the beginning of this project.

4 As part of the responses to the Board
5 IRs, we did include the responses to the requests for
6 proposals. I do not have the information with me today to
7 speak to whether the resulting contracts incorporate
8 liquidated damages. I can take that away and provide that
9 information back if you'd like.

10 However, what I would say is that work
11 is happening early in the outage and that throughout
12 scheduling and the timing of that work with the associated
13 outage, there would be a lot of mitigation to make sure
14 that the work that would impact the duration of the outage
15 was done early and on time to not impact the return to
16 service of Tufts Cove 3.

17 Q. Are the dates for the outage
18 fixed? Are those fixed at October -- I think it's October
19 2nd for start? Because I suppose there could be potential,

1 I don't know, for delay in this particular project. So if
2 the outage was to start on October 2nd and this project
3 didn't start on October 2nd and perhaps got delayed a
4 little bit, then that could present concern.

5 **A.** (Drover) So we have a thermal
6 maintenance schedule where we work together, and units are
7 scheduled to take their turn to take an annual outage. So
8 we try the best we can to stick to that schedule.
9 However, if there are significant changes in our fleet,
10 whether that's due to a capital project or due to another
11 item, that schedule is not fixed and there is always the
12 ability to look at a fleet-wide basis and make adjustments
13 to that schedule; for example, have another unit start
14 their annual outage and then do the annual outage for
15 Tufts Cove 3 afterwards, or shift schedules by a matter of
16 weeks.

17 **Q.** So if this project were to be --
18 if this particular shoreline refurbish or restabilization
19 project was to be -- if it got delayed for some reason,

1 | would the intent be to delay the start of the outage?

2 | I guess my concern would be, you know,
3 | if there's any issues with this particular project that
4 | extend that outage beyond the -- you know, the proposed
5 | window and that perhaps there could be additional costs
6 | imposed upon ratepayers associated with dispatch costs and
7 | things like that. And if there's no provisions in the
8 | contract for liquidated damages -- I know sometimes those
9 | are a bit hard to enforce, but regardless, if there's a
10 | clause in there for liquidated damages, customers would be
11 | somewhat protected from those additional costs. If
12 | there's no clause for liquidated damages or penalties in
13 | there and the outage extends longer than was first
14 | proposed because of a delay associated with this
15 | particular project, then there'd be additional costs on
16 | ratepayers.

17 | **A.** (Drover) Yeah, I appreciate that
18 | concern. And what I would say with regards to that is it
19 | would be important for the outage and the project to

1 align. And if there were changes to the timeline of the
2 project, that we would take that under advisement and look
3 at what we can do to get that project back on track or
4 what we're going to do to adjust the thermal maintenance
5 schedule.

6 These type of activities aren't
7 unusual for us in the power plants, so no matter what
8 large capital project we are doing, we can experience
9 changes in shipping times for materials or material
10 availability, and we very regularly manage those types of
11 risks to mitigate factors that would cause delays, and
12 also make sure that we maintain an appropriate level of
13 flexibility in case there are unforeseen changes.

14 So I just wanted to take the
15 opportunity to talk about that this is not something that
16 is unusual for us to manage and we do it very successfully
17 on a regular basis. So sitting here, I don't have concern
18 in our ability to manage that and to manage the timeline
19 of the project.

1 Q. Okay. Thank you.

2 MEMBER MURPHY: Rob, are you in N-1?

3 Is that N-1?

4 Can you go to page -- PDF page 165?

5 BY MEMBER MURPHY:

6 Q. And this is from the Options
7 Analysis Report. And right there, it's the Section 3.
8 It's the second paragraph. I'm going to read it. It
9 says:

10 It is important to note that the information
11 on the site, such as existing geotechnical
12 conditions, seabed bathymetry, and
13 environmental conditions, is extremely
14 limited. The options presented are based on
15 assumptions that will have to be validated
16 during detailed design. Within the OPC for
17 each option, probable costs are given for
18 the appropriate investigations to determine
19 this critical information and confirm final
20 configurations.

21 In response to Board IR-74, Nova
22 Scotia Power indicated that, I think, it had completed all
23 of this work for the preferred option, or for the rock
24 revetment option. And it further noted, it said:

1 In general, the bathymetry scanning and the
2 boreholes influenced the overall design of
3 the geometry of the rock revetment [option].
4

5 [9:40:06] The Options Analysis Report also
6 recommended a coastal study be completed to confirm the
7 detailed design of the options. And again, Nova Scotia
8 Power confirmed that that coastal study was done.

9 My question really is, I'd like to
10 know why, you know, the suggestion in this report is the
11 bathymetry, or -- you know, I had a colleague that used to
12 call it "bathmetry," but anyway, it's bathymetry.
13 Provided the bathymetry, the geotech work, and the
14 environmental studies, coastal studies, and whatnot, were
15 not completed as part of the predesign, because certainly
16 the suggestion in this report is that for the combi-wall
17 option, it costs, based on obtaining the bathymetry
18 information and the geotechnical information that the cost
19 for the combi-wall option could certainly come down quite
20 a bit. They said there's very conservative options in the
21 cost for that particular option. And I suppose, again,

1 | notwithstanding what you said about Option 2, which was
2 | the retaining wall, I suppose that information could have
3 | been used to perhaps confirm the cost for that particular
4 | option.

5 | So really, I guess I'm curious why --
6 | you went ahead and did the work associated with Option 3.
7 | I'm curious why it wasn't done in advance to obtain all
8 | that information so it could be assessed against all the
9 | other options to confirm the cost estimates from the
10 | options analysis. And I'm going to put that in the
11 | context as well that the preferred option now is quite a
12 | bit more, in terms of costs, compared to what was included
13 | in this particular. It's almost double; it might even be
14 | a little bit more than double.

15 | **A.** (Drover) Yeah, thank you for that
16 | question.

17 | So the information that we have
18 | received through the subsequent work is very good
19 | information. That information did lead to increased cost

1 | for the rock revetment option. However, the information
2 | would also lead to increased cost for the combi-wall
3 | option as well. And all of that information we received
4 | through those studies would not have impacted the choice.
5 | So the encapsulation retaining wall option still would be
6 | removed because it did not meet the structural
7 | requirements and the combi-wall option would also increase
8 | in cost due to the information that was received on the
9 | condition of the seabed floor. So neither option would
10 | have become the preferred option. So I just wanted to
11 | start there.

12 | At the point in time of the options
13 | analysis, the idea is to start and take the information
14 | that we had -- and we did have quite a bit of information
15 | at the time -- and look at the different options.

16 | So, for example, if the option for the
17 | encapsulation and retaining wall option had have provided
18 | the structural stability that provided confidence that
19 | that was an appropriate option, that could have -- or

1 other options that would involve only work on the
2 shoreline and not into the water, would have potentially
3 changed the need to proceed with the expense of doing the
4 extensive bathymetry and geotechnical work that was done.
5 However, through the preliminary options analysis, when
6 options were identified and evaluated on a preliminary
7 basis, it was determined that the most likely option, and
8 the option that would meet the design criteria, would
9 involve being on the seabed, making the bathymetry and
10 geotechnical work necessary to be done.

11 So taking that first preliminary view,
12 looking at all of the options, and understanding that
13 before making the decision to move ahead and spend the
14 cost to do that detailed study work, I think would be an
15 appropriate way to try to minimize additional costs, but
16 based on that preliminary options analysis, it was then
17 necessary to continue on and do that work on the seafloor
18 and understand the conditions.

19 Q. But this bathymetry work and

1 geotechnical work that was completed for -- to assess the
2 preferred option, that work would have been the same,
3 would it not, regardless of the options? If you had done
4 it at the predesign stage, the work you would have done at
5 predesign to assess all three options, that would have
6 been the same type of work you would have done to assess
7 Option 3; would it not? So the cost wouldn't have been
8 any different.

9 **A.** (Drover) At the time when we were
10 identifying preliminary options, it was uncertain of the
11 requirement or the options that were going to necessarily
12 involve all of the work that was done on the study work
13 subsequently. Would some of that geotechnical or
14 bathymetry work be done in any case? Possibly, or even
15 probably. But understanding what options were possible or
16 probable early on led to the development of a more
17 detailed and exact scope of what we would want to do and
18 investigate in that post-study work.

19 **Q.** For the preferred option?

1 A. (Drover) For the preferred
2 option.

3 Q. Based on the options analysis.

4 A. (Drover) Yes.

5 Q. How do you know -- I think you
6 said a little bit earlier that with the information that
7 was collected, that the cost for the combi-wall option
8 would have gone up. How do you know that? The report
9 certainly suggests that the cost estimates for that option
10 were conservative in this particular report, and had
11 potential to go down, based on that information.

12 A. (Drover) So some of the drivers
13 that led to the cost increase, the geotechnical
14 investigation identified the need for dredging and
15 additional foundation preparation to support the intake
16 extension and also that there was a redesign of the Unit 3
17 intake extension. And those items would also be cost
18 drivers in the combi-wall option.

19 Q. They wouldn't be cost drivers for

1 Option 2 though, right? Notwithstanding what you said
2 about the viability of Option 2, and notwithstanding that
3 the recommended work from this option's analysis wasn't
4 done to see whether that particular option was in fact
5 feasible, the information you just referenced wouldn't
6 apply to Option 2; there was no intake extension?

7 A. (Drover) There was no intake
8 extension to Option 2, that is correct. But I will go
9 back to Option 2 did not provide the structural integrity
10 that was required for this project, so it was eliminated.

11 Q. I understand that, but I don't --
12 correct me if I'm wrong, that was not confirmed through
13 the further study that was recommended in this particular
14 report?

15 A. (Drover) I'm sorry; would you
16 mind repeating the question?

17 Q. Not sure I asked a question. I
18 might have just been giving a comment.

19 A. (Drover) So I guess I will --

1 | maybe it will be helpful to sum it up.

2 | We had three options. We did the
3 | preliminary design that identified three options, then
4 | subsequently, through that preliminary evaluation, one of
5 | those options was eliminated due to structural integrity.

6 | [9:50:05] Q. I'm just going to interrupt you,
7 | if you don't mind.

8 | The report -- this report, the way I
9 | read it, it didn't eliminate that option. It suggested
10 | further study to confirm the viability of that option.
11 | And then when you look at the costs that have come in, you
12 | referenced further dredging would be required for Option 1
13 | and 3, the cooling -- and we know the cost -- we know the
14 | cost difference for the redesign of the cooling water
15 | intake; that's identified in the response to the IR.
16 | There's a pretty significant difference between the number
17 | that was estimated for that extension in this particular
18 | report versus the tendered cost.

19 | And the other issue is the -- this

1 particular report, the Options Analysis Report, didn't
2 look at any work scheduling. And perhaps -- I don't know
3 -- perhaps Option 2, again notwithstanding your contention
4 about its viability, perhaps wouldn't have required being
5 done during an outage if it didn't require cooling water
6 intake extension.

7 And it's noted in the IR responses
8 that the work required to complete Option 2 during that
9 outage is one of the drivers for the significant cost
10 increase. Extra labour -- I forget what the -- we could
11 call up the IR, but it references a bunch of additional
12 costs related to having to work within that window for the
13 outage, and perhaps that wouldn't have been required for
14 Option 2.

15 What it boils down to me is, you know,
16 there was a lot of information available -- or there could
17 have been a lot of information available to reassess the
18 options at the pre-design stage, but even more so after
19 the tender closed and the cost is significantly higher

1 | than what was presented in this particular report, that
2 | all the information that was collected related to the
3 | coastal study, the bathymetry, the geotechnical
4 | information could have been used to go back and re-
5 | evaluate the options to see whether, in fact, the rock
6 | revetment option remained the lowest cost. Do you not
7 | agree?

8 | No, go ahead. Go ahead.

9 | **A.** (Drover) I appreciate the -- what
10 | you're taking from the report. And one of the items that
11 | myself and internally we have the benefit of are the
12 | conversations with subject matter experts both at CBCL and
13 | internally regarding the feasibility of Option 2, and
14 | those subject matter experts do not see that as a feasible
15 | option.

16 | And I appreciate getting or retaining
17 | CBCL to write a report evaluating the options. Where that
18 | option has not been extensively investigated and looked
19 | into, that CBCL would not include in that report a

1 complete elimination of that option without doing
2 additional work.

3 However, I will loop back to the
4 feasibility of that option, based on both internal and
5 external subject matter experts, is that it would not
6 provide that structural stability.

7 Throughout the evaluation of the
8 report, there is a lot of information regarding the
9 degradation of that existing sheet pile -- shoreline sheet
10 pile. It is in advanced stages of degradation and the
11 work to be done to support that with concrete and then
12 build a retaining wall on top of it and leveraging that
13 degraded structure and ensuring that we have stability
14 afterwards is very concerning. So that option was
15 confidently eliminated.

16 I would agree that there is more work
17 that could obviously and always be done to study and
18 understand what we would need to do in order to make that
19 option have the stability that would be necessary, which

1 | would probably lead to increases in the costs associated
2 | with that project. Due to the concerns by all subject
3 | matter experts, that option was eliminated.

4 | And then going back to the combi-wall,
5 | the drivers that increase the rock revetment project would
6 | also increase the combi-wall, but that isn't the only
7 | concern with the combi-wall.

8 | The combi-wall is a complex project
9 | that involves drilling in the seabed, extensive
10 | interaction with the seabed and the sea floor. It is a
11 | complex installation that would be much more extensive and
12 | much more complex in order to execute, and that would also
13 | be very challenging to do in the outage window of Tufts
14 | Cove 3.

15 | So those items, besides the fact that
16 | it was a higher-cost project, led to the elimination of
17 | that option.

18 | So I am very confident that the team
19 | picked the right option, based on meeting that design

1 criteria, it being the lowest cost and it being a simple
2 design that can be executed in the window that it needs to
3 be executed in, having the minimal impact on Tufts 3
4 returning to service.

5 Q. Okay. I appreciate that answer.

6 I guess my concern -- I don't know if
7 it's the other Panel Members' concern -- is that, you
8 know, the option that was selected was based on this
9 report. That's what's been filed. And the tendered cost
10 for that preferred option is now outside of the accuracy
11 range of the estimate that was presented in this report.

12 The accuracy range of the estimate
13 that was presented in this report was like minus 50 to
14 plus 100 percent. The tendered cost is over that now, and
15 Nova Scotia Power relied on that particular estimate as
16 one of the factors it used to select that option. And now
17 the cost is significantly higher.

18 So my concern -- I'm just expressing a
19 concern, is that, you know, you had some new information

1 | or some information you collected, geotechnical
2 | information or bathymetry or whatnot afterwards, and that
3 | it doesn't appear to me to be anything on the record right
4 | now that says, okay, whoa, the cost has come in quite a
5 | bit higher. Let's just go back and take a look at these
6 | options, these other options, with the new information we
7 | have, to make sure that this is still, from the cost
8 | perspective, still a preferred option, particularly when
9 | the cost of the project now is outside the typically
10 | expected accuracy range of the estimate that's presented
11 | in this report.

12 | [10:00:21] I wasn't really asking a question. if
13 | you want to comment on what I just said, that's fine, but
14 | I wasn't really asking a question.

15 | **A.** (Drover) No, I appreciate that.
16 | And what I will assure you and the Board is that when
17 | those costs did come in, that the team did, again, as
18 | always, revisit that there would be similar cost pressures
19 | on the combi-wall and that the other option would still be

1 | eliminated, making this option the preferred option. Do
2 | we see that in a report? No. Our team always takes the
3 | information that we receive and ensures that we have the
4 | right information. And I think, you know, making sure
5 | that we do that detailed design and detailed evaluation in
6 | order to get a better understanding of what the costs of
7 | the project are is very important, and doing that work
8 | prior to filing the project is also very important to make
9 | sure that when we're doing projects that we have the best
10 | information on hand in order to stay within budget on
11 | these projects.

12 | So in the end, the decision would not
13 | change, as I've discussed.

14 | Q. Okay. I appreciate that. Thank
15 | you. The Chair is probably going to get mad at me because
16 | I beat this one for an hour now and I'm a tenth of the way
17 | through my questions.

18 | **THE CHAIR:** I never get mad at
19 | questions from Mr. Murphy.

1 **BY MEMBER MURPHY:**

2 Q. I'm going to move on from this
3 one, but just one real quick question, and it's related to
4 the -- maybe this is a question for you, Mr. Beaton. It's
5 related to the proposed change in scope definition.

6 If this project changed from the rock
7 revetment option to one of the other options, would that
8 -- would Nova Scotia Power consider that a scope change?

9 A. (Beaton) Yes, we would. As we
10 discussed yesterday, where it's one of the alternatives
11 considered under the "Why do the project this way," this
12 would qualify as a scope change if we were to change it
13 post-submission.

14 Q. Okay. Thank you.

15 Okay. I'm going to move on to Project
16 C0068898 TUC1, Last Stage Blade Replacement Project. Is
17 that you again, Ms. Drover?

18 A. (Drover) Yes, it is.

19 Q. Okay.

1 **MEMBER MURPHY:** Rob, can you call up
2 Exhibit N-3? That's Response to CA IRs, PDF page 21. And
3 it's response to 11(a). Right there.

4 **BY MEMBER MURPHY:**

5 **Q.** It says:

6 Manufacturing of the replacement blades is
7 complete and the blades will be shipped in
8 time to arrive [at Tuft's Cove 1 by] April
9 2026. There is a risk of shipping costs
10 increasing beyond the budgeted amount due to
11 the replacement blades being installed at a
12 different shop than originally planned,
13 [that] will be covered [in] the project
14 contingency...

15
16 In the ACE Plan Application itself,
17 Nova Scotia Power noted that procurement of the blades,
18 they were ordered in May of 2025, and they were scheduled
19 to be delivered to the shop in November 2025. So I'm
20 getting a little confused by the dates, but were they in
21 fact delivered to the shop in November 2025, or are they
22 going to arrive in April of this year?

23 **A.** (Drover) I don't have the
24 specific date that the blades arrived. However, I can say

1 | that the blades arrived in time for the work to start.

2 | Q. The work has already started; is
3 | that correct?

4 | A. (Drover) That is correct.

5 | Q. Okay. Why are the blades being
6 | installed at a different shop than originally envisioned?

7 | A. (MacIntosh) Mr. Murphy, it's
8 | likely when we're procuring blades, it's to secure the
9 | forging of materials on the market. So you're going out
10 | to a large number of raw material vendors to find those
11 | forgings. So that's likely the cause of why the change in
12 | the location. But we can take those further details away,
13 | if you'd like. But typically that is the driver.

14 | Q. Yeah, I don't need anything about
15 | that. What I would be interested in, though, is if that
16 | resulted in any increased cost.

17 | A. (MacIntosh) No.

18 | Q. If anything, it sounds like it
19 | would have decreased the cost?

1 A. (MacIntosh) Correct. The
2 procurement process with these blades, we went out to look
3 at which vendor would have the shortest lead time for
4 these blades to meet the outage requirement and we went
5 with Ethos, which is not the OEM, just so you know.

6 Q. Okay. Okay, thank you.

7 **MEMBER MURPHY:** Rob, can you call up
8 N-6, page -- PDF page 411, please? That's NSEB IR-80.
9 And leave it right there.

10 **BY MEMBER MURPHY:**

11 Q. So it says -- in the IR itself,
12 it says Board staff noted that in 2023, under another
13 matter, Nova Scotia Power received Board approval to
14 replace five of the L-0 blades with re-used blades and
15 refurbishment of additional two blades, and the cost for
16 that project was roughly -- it doesn't say it here, I
17 don't think, but the cost of that project, I checked, it
18 was roughly \$2 million. And then in response to this IR,
19 Nova Scotia Power noted that those blades that were

1 | installed as part of that project will be removed from
2 | service and replaced with new blades.

3 | I guess I have a couple of questions
4 | on that. What's the typical service life for those
5 | blades, those five blades that were installed as part of
6 | that project?

7 | And maybe I'll just tack on my other
8 | question here, is do you know what the unappreciated
9 | capital cost of those blades are and would that cost be
10 | expensed over five -- since they're no longer used and
11 | useful, they were only installed two years ago or three
12 | years ago, would the unappreciated capital cost of those
13 | blades be expensed per, I forget the accounting policy,
14 | 65/30?

15 | **A.** (Beaton) I'll take the
16 | depreciation question. So no, where we depreciate all our
17 | assets in a pooled manner. It's expected that certain
18 | assets won't reach their typical expected useful life and
19 | certain assets will greatly exceed their expected useful

1 | life. So we don't complete any write-offs related to
2 | depreciation expense unless directed to through a
3 | different proceeding, but ---

4 | Q. What is the expected typical life
5 | of those blades?

6 | A. (Beaton) So the expected --
7 | turbine blades would be depreciated at the overall plant
8 | level. We don't depreciate different assets based on
9 | their individual lives. So it would depreciate -- these
10 | would get depreciated as part of the broader Tufts Cove 1
11 | depreciation group, which amalgamates all the assets
12 | related to Tufts Cove 1 depreciated pool level. For the
13 | actual expected useful life of the blades, I think I'd
14 | pass that off to Mr. MacIntosh.

15 | Q. That's around 4 percent? Does
16 | that sound right for Tufts Cove?

17 | A. (Beaton) Without having it in
18 | front of me, it would be in that ballpark.

19 | Q. So you'll have three years of

1 depreciation on a \$2 million project at 4 percent a year.
2 I didn't to do the math on it, but it still leaves a
3 significant portion of that cost that we'll raise in rate
4 base on a return and that the blades were only installed
5 for three years; is that correct?

6 A. (Beaton) Correct. I think the
7 nature of the C0055376, where that was done as U&U, it was
8 a found issue. And I might rely on Mr. MacIntosh again
9 here, but we wouldn't have had the ability to do a full
10 replacement at that time, so that was still the minimum
11 work required to return that unit to service to allow the
12 unit to operate up until this time.

13 Q. Okay. Thank you.

14 I also note in response to -- I don't
15 need to call it up, Rob -- in response to Board IR-83 that
16 Nova Scotia Power noted that a total of five cracked
17 blades were found in the LTP2, LP2 and LP3 during
18 inspection in March of 2025, and then it goes on to say
19 that all 318 blades will be replaced as part of the

1 | project. I'm curious why, if only five blades were found
2 | to be cracked, why all 318 blades need to be replaced.

3 | [10:10:33] **A.** (Drover) Mr. Murphy, I will start
4 | with the answer to the question, but my colleague, Mr.
5 | MacIntosh, might add some more context.

6 | So these L0 blades are susceptible to
7 | erosion and fatigue due to their location and normal
8 | operation over time, and it was determined that the
9 | cracking on this blades was symptomatic of a population-
10 | wide accumulated fatigue versus isolated issue with those
11 | particular five blades. So these blades, as a population,
12 | had reached end of life and therefore necessitate the
13 | replacement of the full L0 row of blades times three.

14 | **Q.** Okay. Thank you.

15 | Okay. I just want to talk briefly
16 | about C0080135, which is the CTBGT2, A, B, C, D, E, F,
17 | engine replacement.

18 | **MEMBER MURPHY:** Rob, can you call up
19 | Exhibit N-6, PDF page 438? That's a response to the Board

1 IR-99(b). Right there.

2 **BY MEMBER MURPHY:**

3 Q. And it notes, as it relates to
4 this particular engine, it says:

5 The OEM's original 1971 guidance-developed
6 for utilities operating the engines at high
7 duty cycles-referenced a nominal
8 refurbishment interval of...5,600 operating
9 hours. For [Nova Scotia] Power's peaking-
10 duty units, degradation mechanisms are
11 primarily driven by long periods of
12 inactivity, short [runs]..., and
13 environmental exposure.

14
15 I'm curious how long periods of
16 inactivity lead to unit degradation.

17 A. (MacIntosh) I can take that
18 question, Mr. Murphy.

19 So when a unit's offline and not
20 operating you're still going to have life consumption. So
21 inactivity would mean that the unit's sitting static, it's
22 not moving, so you'll still have light consumption that's
23 happening on the machine. So you have offline corrosion.
24 So when the unit's actually operating hot and it's online

1 | there's actually less corrosion in that environment than
2 | there would be if it's offline and it's colder and it's
3 | damp, you get moisture coming into the machine.

4 | **Q.** Okay. So in that context, would
5 | it make sense to run it more often than leave it just
6 | sitting there doing nothing? I suppose there would be a
7 | cost associated with the fuel, I suppose, but ---

8 | **A.** (MacIntosh) Certainly the cost of
9 | the fuel would outweigh the cost of the corrosion to run
10 | that. These units are one of our highest cost energy
11 | units to operate them out of dispatch to minimize
12 | corrosion would ---

13 | **Q.** Okay, yeah. In response to Board
14 | IR-102 -- I won't get Rob to call it up -- but Nova Scotia
15 | Power mentioned an option about perhaps purchasing a
16 | previously owned or refurbished engine and opted not to do
17 | that, I think based on, you know, cost and some other
18 | concerns. But did Nova Scotia Power obtain a quote for a
19 | refurbished engine?

1 **A.** (Drover) In this case we did not
2 receive a quote on a previously refurbished engine.
3 However, in recent years we have purchased a previous
4 refurbished engine, and we are aware of the cost of those
5 engines on the market and regularly engage with industry.
6 But in this case we do not have a quote.

7 **Q.** So based on your history ---

8 **A.** (Drover) That is correct.

9 **Q.** --- the previous history would
10 have shown that the cost of a previously owned refurbished
11 engine would have been more than the refurbishment cost
12 associated with this project; correct?

13 **A.** (Drover) Mr. Murphy, just adding
14 on to my previous comments, as I've mentioned, we do have
15 experience with purchasing previously refurbished engines,
16 and as noted in IR-102, there is significant variability
17 in price.

18 **Q.** Excuse me. Are you talking about
19 the CT, these types of engines, or are you talking about

1 the LM6000?

2 A. (Drover) These types of engines.

3 And typically there is additional work
4 that needs to be done after market on these engines.

5 And we also have an additional risk of
6 having complete records, and that is a risk we have
7 experienced in the past, knowing how that unit was run,
8 knowing the servicing and the maintenance and the work
9 that was done on that engine previously. And when we take
10 those items into consideration, refurbishing our engine is
11 comparable or a lower-cost option then buying a previously
12 refurbished engine.

13 Q. Okay. Thank you.

14 A. (Drover) A big determining factor
15 is the risk.

16 Q. Okay. Sticking with this
17 project, in response to Board IR-103 there was a reference
18 to the IRP that's underway by the IESO and whether in fact
19 I think that the results of that IRP would indicate that

1 | this particular engine may or may not be required. I
2 | don't know. But did Nova Scotia Power give any thought to
3 | perhaps delaying this project until that IRP is completed
4 | to confirm whether in fact this unit is required?

5 | And I note that there was another IR
6 | response, IR-101, from the Board that noted that there's
7 | an option available to Nova Scotia Power to use a leased
8 | engine from Pratt & Whitney, if needed, to replace this
9 | engine.

10 | So, you know, in the interim, until
11 | that IRP is completed and the results are available to
12 | confirm whether in fact that engine is needed, could this
13 | project be delayed until that IRP's completed and if, in
14 | fact, the engine is needed that the leased option could be
15 | used?

16 | [10:20:14] **A.** (Peachey) And Mr. Murphy, I can
17 | take that question.

18 | So in previous IRPs, which is also
19 | pointed to in our 10-year system outlook, we're continuing

1 | to rely on that fast-acting generation that would be
2 | supported by the Burnside units. So that's been
3 | demonstrated in our previous IRPs as well, as I mentioned,
4 | the 10-year system outlook to support the increase in wind
5 | generation. So there's no indication to us at this point
6 | that any outcomes from the IRP are going to point to not
7 | operating those units in the future.

8 | Even when you look back as far as the
9 | 2020 IRP, there was some pre-IRP work as well that pointed
10 | to the value of continuing to invest in those diesel CTs
11 | going forward to support the Path to 2030 and then, of
12 | course, the Plan B on that, so...

13 | **Q.** So are you saying you're
14 | confident that the ISEO's IRP will show that those -- this
15 | particular engine will still be required?

16 | **A.** (Peachey) We are. If you're
17 | considering sort of the plan forward and the role that
18 | those -- the path forward that the wind is going to take
19 | in supporting the long-term plan in meeting those -- the

1 80 percent RES requirements, we're very confident that
2 those CTs will continue to be part of that portfolio that
3 supplies that fast-acting response to be able to integrate
4 those wind resources on the system, yes.

5 Q. And one of the risks, I suppose,
6 if -- I think that IRP is supposed to be done relatively
7 soon.

8 A. (Peachey) Yes.

9 Q. What are the risks of waiting
10 till that's done until that confirmation's actually
11 provided by the IRP? What are the risks in delaying this
12 refurbishment project?

13 A. (Peachey) So one of the key
14 pieces that came out of previous IRPs and is part of,
15 actually, the clean power plan that's going to guide us
16 towards meeting those targets is that we need all the
17 capacity that we can get on the system to really support
18 that wind integration, so as we're sort of phasing out
19 coal and, of course, those new CTs are going to be added,

1 we still really need all of that additional capacity
2 that's still currently on the system, which would include
3 those diesel CTs.

4 Q. How quickly could you get this
5 leased engine? How quickly can you get it, put it in
6 service?

7 A. (MacIntosh) That depends on the
8 market. So there is a lease engine market through Pratt &
9 Whitney, but it depends on the availability of it. It's
10 not a given.

11 Q. Okay, okay. Thank you.

12 I just talked to the Chair. I'm
13 probably going a little longer than I thought I might go,
14 but -- so I think the idea is we might take the break in a
15 few minutes. But there was a couple of questions I missed
16 in my excitement to get to the Tufts Cove Project.

17 I missed a couple of questions, so I'm
18 just going to go back to them. They won't take too long.

19 MEMBER MURPHY: Rob, can you call up

1 Exhibit N-6, PDF page 47?

2 This is response to Board IR-16(a).

3 **BY MEMBER MURPHY:**

4 Q. In this response, Nova Scotia
5 Power provided a table that identifies the carry-over
6 projects from Figure 17 of the ACE Plan. And it
7 identifies projects that have a total estimate now that
8 exceeds the Board's approved amount by the ATO threshold.

9 I just had a question on the Marshall
10 Falls Project. It was approved in 2020 for 5.4 million.
11 You can see it there. And according to the capital of
12 project status update from last year's ACE Plan, spending
13 on the project was about \$582,000.

14 In Exhibit 10 of this year's ACE Plan,
15 which is the Q4 capital reports to December 31st, 2025,
16 spending on the project was about 675,000, suggesting that
17 not a lot has been spent on the project in 2025.

18 So two questions. What's the status
19 of the project and why has it been delayed for five years,

1 and is that delay having any impact on the cost of the
2 project?

3 **A.** (Drover) So that project is --
4 the Marshall Falls Dam Project is on the same hydro system
5 as the Ruth Falls Dam Project. And the Marshall Falls
6 Project will not commence work until the Ruth Falls
7 Project is finished.

8 And we have had numerous
9 communications with the Board on the status of the delays
10 at the Ruth Falls Dam Project with regards to getting the
11 required *Fisheries Act* authorization under the modern
12 *Fisheries Act*, which led to the delays of that project.
13 And given that the both projects are on the same hydro
14 system, the Marshall Falls Project will not commence until
15 after Ruth Falls is completed.

16 **Q.** So does that suggest that that
17 current estimate of 13.8 million will likely go up?

18 **A.** (Drover) The updated project
19 estimate incorporates our learnings from the Ruth Falls

1 Dam Project and all of the requirements under the modern
2 *Fisheries Act*, so as we continue on with the detailed
3 design work for that project and as we finish Ruth Falls,
4 we may have more learnings, but at this point in time, we
5 have incorporated learnings from that Ruth Falls Project
6 which leads to the difference between the current approved
7 amount and the current project estimate.

8 Q. Okay. Thank you.

9 MEMBER MURPHY: Rob, if you can scroll
10 down a little bit, just a quick question on that Wreck
11 Cove Tailrace Rock Bolting Phase 2.

12 BY MEMBER MURPHY:

13 Q. In this update, it shows the
14 estimated project cost at completion of 5.720 million
15 [sic], which is actually -- the project was approved in
16 2024 for 15.722 million, so it's actually very close to
17 the approved amount. But I'd note in -- you can call it
18 up if you want, but in Figure 17 of the actual ACE Plan
19 Application, which was filed in December 2025, the

1 | estimated cost was 13.8 million. And now we're in
2 | February of 2026 and the cost has gone up, let's call it,
3 | two million.

4 | What's the reason for that increase in
5 | less than two months?

6 | **A.** (Drover) The Tailrace Rock
7 | Bolting Project, there was execution of that project
8 | throughout 2025, and that work will resume again in 2026
9 | and result at the end of this year.

10 | So there is a period through 2025
11 | getting to the end of that portion or that phase of the
12 | program, understanding where we currently sit,
13 | understanding what work is remaining for this year, and
14 | reforecasting and understanding the amount that is left
15 | for 2026 and updating those associated forecasts would be
16 | a driver for the change in forecast.

17 | **Q.** But the other cost estimate was
18 | provided as of December. Why wouldn't those costs have
19 | been projected in December?

1 **A.** (Beaton) So generally, project
2 total or project estimates included in carry-over tables
3 like this one are primarily from our Q3 forecast completed
4 in the summer. So while it was filed in December, it
5 would have been taken from forecasts a number of months
6 prior.

7 **Q.** Okay. Thank you.

8 **MEMBER MURPHY:** Okay, Mr. Chair. I
9 think that might be a good place to take our break. I
10 only have probably seven hours of questions left, so...

11 **THE CHAIR:** Okay. Let's take a break
12 for 15 minutes and come back at 10:45.

13 --- Upon recessing at 10:29 a.m.

14 --- Upon resuming at 10:45 a.m.

15 **DAVID ARTHUR PICKLES, Resumed:**

16 **TREVOR ARCHIE BEATON, Resumed:**

17 **LYNNE ANNE DROVER, Resumed:**

18 **JONATHAN ROSS CLARK MacINTOSH, Resumed:**

19 **CHARLENE DEEANE (Sp?) MacMULLIN, Resumed:**

1 ERIN CHRISTINE PEACHEY, Resumed:

2 THE CHAIR: So we're back on the
3 record. I'll turn it back over to Mr. Murphy.

4 MEMBER MURPHY: Thank you, Mr. Chair.

5 QUESTIONS FROM MEMBER MURPHY, (Cont'd)

6 Q. I'm going to move on to some
7 questions about routine D010, Provincial Widening and New
8 Distribution Right-of-Way, Phase 11.

9 So I don't know. Is that you, Mr.
10 Beaton or Ms. MacMullin for ---

11 A. (Beaton) Likely a combination of
12 both.

13 Q. Okay. I may have asked this
14 question in prior ACE Plan proceedings, but as a refresher
15 maybe, because I don't actually recall if I did, in fact,
16 ask it, but can you please explain to me why expenditures
17 under D010 and the New Distribution Right-of-Way, Phase 11
18 and prior phases, why those are considered capital
19 expenditures rather than operating expenditures?

1 A. (Beaton) Certainly. So in the
2 case of both instances, we treat our right-of-ways as an
3 asset. So in both those instances -- well, different --
4 and I'll speak to D010.

5 First, today, there's a defined right-
6 of-way in place, generally 10 feet on the forest edge of
7 the line. So our asset in today's case would be a 10-foot
8 right-of-way. We are then taking the 10-foot right-of-
9 way, increasing it to between 15 and 20 feet, depending on
10 our ability to gain permission from landowners.

11 We then have to maintain that asset on
12 a go-forward, which is done through our Maintenance
13 Program, but there is benefit to trading that asset for a
14 very long period of time. So where there's benefit of the
15 asset greater than one year, and obviously much beyond
16 that, there's a multiyear value to it, so it's treated as
17 a capital asset.

18 And then in a very similar manner on
19 the new right-of-way, there's no right-of-way there today

1 and we are creating a new right-of-way anywhere from 10 to
2 15 to 20 feet on the forest side of the line.

3 And then all future work in that space
4 will be maintained through our Tree Trimming Program which
5 is an operating expense. But, again, the creation of that
6 right-of-way is creating a multiyear benefit that
7 customers, not just in this current year, but all future
8 years, will gain the benefit of.

9 Q. Okay. In the traditional sense
10 of an asset, though, I mean, the right-of-way is not --
11 the land on which the right-of-way runs isn't owned by
12 Nova Scotia Power, right? It's owned by someone else. So
13 in the traditional sense of an asset, right-of-ways aren't
14 assets owned by Nova Scotia Power?

15 A. (Beaton) Correct. They're not
16 typical as a general tangible asset would be in most
17 cases, but they're certainly -- there's an added benefit
18 to them and that multiyear, multigenerational value that
19 you get from that either traded or increased right-of-way

1 | meets the definition for a capital expenditure.

2 | Q. Okay. And I assume this has been
3 | -- I don't know what the word is, approved, or it falls in
4 | line with standard accounting practices?

5 | A. (Beaton) Correct, yeah. This has
6 | been -- it was heavily vetted and heavily discussed with
7 | our finance folks when we first implemented the new right-
8 | of-way program and obviously the D010 routine has been
9 | going on much longer.

10 | Q. Okay. Okay. Thank you.

11 | MEMBER MURPHY: Rob, can you call up
12 | Exhibit N-8? That was a revised response to the CA's IR-
13 | 19.

14 | BY MEMBER MURPHY:

15 | Q. In the IR, the CA ask Nova Scotia
16 | Power to provide the number of outage events by year and
17 | tree contact outage events by year, for each feeder listed
18 | in Attachment 1 of the Application. And I think that
19 | attachment is on PDF page 413 of N-1. We might go there

1 in a second.

2 [10:50:03] MEMBER MURPHY: But if you scroll down
3 to the response, Rob, the next page down?

4 BY MEMBER MURPHY:

5 Q. The feeders that are listed there
6 appear to me to be actual targeted feeders for 2026,
7 rather than the feeders that were listed in Attachment 1
8 of -- or, sorry, in Exhibit N-1.

9 MEMBER MURPHY: Maybe, Rob, you can go
10 to Exhibit N-1. It's PDF page 413.

11 Actually, maybe scroll up a bit, Rob.
12 Keep going. Keep going. Okay. Stop.

13 BY MEMBER MURPHY:

14 Q. So these are the targeted
15 circuits for that particular project for 2026, and I think
16 in the response to the CA's IR, you provided the
17 information related to these particular feeders, but the
18 question asked for the information related to the feeders
19 that were identified in Attachment 1.

1 **MEMBER MURPHY:** If you scroll down,
2 it's a number of different feeders. Keep scrolling. Go
3 to 413, Rob.

4 **BY MEMBER MURPHY:**

5 **Q.** I think there was -- I didn't do
6 a count on it, so maybe there's 50 feeders listed in this
7 one and only 20-some in the targeted.

8 So I just want to confirm whether
9 that's correct. If it is, in fact, correct, as an
10 undertaking, can we get the response to the CA's IR, as it
11 relates to those feeders in Attachment 1?

12 **A.** (Beaton) So one thing to clarify,
13 which may assist here, the feeders listed in the
14 attachment we're looking at now are the feeders that had
15 work completed on them in 2024. So as part of one of --
16 we would have had a directive to show the condition
17 improvement related to all distribution projects over \$1
18 million whenever we file a project. That's what this is
19 showing.

1 So as a part of this capital
2 initiative in the new right-of-way program, we're showing
3 the condition improvement on work completed under this
4 program in 2024. It's the last full year we would have
5 had to refile the ACE Plan.

6 So this list is showing that -- were
7 feeders where we completed capital work in 2024, the
8 change in the feeder condition score. So this list should
9 not match the list a few pages above on the target feeders
10 in 2026.

11 Q. No, I understand that.

12 A. Okay.

13 Q. But I think the CA's question was
14 to provide these -- and I don't want to speak for the CA,
15 but I think the question was to provide the tree contacts
16 and outage events for a year by the feeders listed in
17 Attachment 1, not the targeted circuits.

18 And I think, in my opinion, that would
19 be more useful information, to see if these were, in fact,

1 feeders upon which vegetation management was conducted in
2 2024. It would provide useful information to show the
3 tree contacts and the outages on those feeders as a result
4 to completing that vegetation management.

5 A. Can we just jump back to the IR,
6 just quickly?

7 Q. Yeah.

8 **MEMBER MURPHY:** N-8, yeah. Scroll up
9 to the question, Jeff -- or Rob.

10 **BY MEMBER MURPHY:**

11 Q. You can see there it says:
12 Please provide the number of outage events,
13 by year, for each feeder listed in
14 attachment 1.

15
16 **MEMBER MURPHY:** And if you scroll
17 down, Rob?

18 **BY MEMBER MURPHY:**

19 Q. I think the feeders that are
20 listed there are the feeders that are the targeted feeders
21 for 2026. They're not the feeders in Attachment 1.

1 A. (Beaton) Fair. Yeah, we can
2 certainly undertake to amend that to match the feeders
3 that are included in Attachment 1.

4 Q. And can I also -- I don't know if
5 it's available yet, but as part of that undertaking, can
6 you include the condition rating for those -- the 2025
7 condition rating for those feeders?

8 A. (Beaton) Yes.

9 THE CHAIR: Okay. So this would be U-
10 18. And it's to review the IR response to the CA IR-19?

11 MEMBER MURPHY: The revised IR.

12 THE CHAIR: The revised IR-19, to
13 compare it with the actual request that was made in IR-19
14 to make sure that the response is correct, and then to
15 also add the...?

16 MEMBER MURPHY: Condition rating for
17 those -- the 2025 condition rating for those feeders.

18 THE CHAIR: The 2025 condition rating
19 for the same feeders.

1 UNDERTAKING U-18 - To review the
2 IR response to the revised CA
3 IR-19, compare it to the actual
4 request that was made in IR-19 to
5 make sure that the response is
6 correct, and then to add 2025
7 condition rating for the same
8 feeders

9 MEMBER MURPHY: Okay. Thank you.

10 Rob, can you go to Exhibit N-6, PDF
11 page 67? Five sixty-seven (567).

12 BY MEMBER MURPHY:

13 Q. And this table provides the cost
14 for D001, a new right-of-way spending for each year from
15 2018 to 2025, and it provides the number of kilometres
16 completed associated with each one of those years. And if
17 you trust my math for a second, when I look at those
18 numbers and I do the calculations, it strikes me that from
19 2019 to 2023 inclusive, the cost per kilometre was -- fell

1 | between roughly 33,000 and \$56,000 a kilometre. If you
2 | want to take a second to confirm that math, or...?

3 | **A.** (Beaton) Okay. We just double
4 | checked.

5 | **Q.** Okay. So from 2019 to 2023, the
6 | cost per kilometre for those programs fell between 33,000
7 | and \$56,000 per kilometre. However, for 2024, if my math
8 | is correct, the cost goes to \$97,000 per kilometre, and in
9 | 2025, it goes to \$119,000 per kilometre. So my question
10 | -- assuming my math is correct, my question is, can you
11 | tell me the reasons for that pretty significant increase
12 | in cost per kilometre?

13 | **A.** (Beaton) So we certainly
14 | acknowledge we've experienced significant cost increases
15 | on the capital side of our Vegetation Management Program.
16 | As with many industries, they've battled inflation, the
17 | cost of their machinery and equipment has gone up
18 | substantially, and their ability to maintain resources is
19 | a significant challenge that they struggle with, and we've

1 | had to -- they've been forced to increase their rates
2 | fairly substantially over the last number of years in
3 | order to maintain a full complement of resources, which is
4 | -- remains a struggle every day. I would want to take it
5 | away as an undertaking to speak specifically to the last
6 | two-year increases.

7 | Q. I may ask for that. I understand
8 | what you're saying about inflation and whatnot over that
9 | period of time, but in 2023, the cost per kilometre was
10 | about \$56,000 and then in 2024 it went to \$97,000. That's
11 | a little bit more than the rate of inflation, I would
12 | think. And then from 2025 -- sorry, from -- yes, from
13 | 2024 to 2025, \$97,000 a kilometre to \$119,000 a kilometre
14 | is another 22 percent increase, which again I think is a
15 | little bit higher than, you know, inflation concerns.

16 | [11:00:15] A. (Beaton) So I do want to take it
17 | away. The last two years are causing me a bit of
18 | confusion, to be honest, because the numbers are -- in
19 | this table are showing higher than we showed elsewhere.

1 So I do want to take that away.

2 But just going back, just to answer
3 the question, in a more broad sense, on the other reasons
4 why the program has experienced these costs, we have
5 changed -- which we've put on the record, we've changed
6 the way we do the work as well. We're much more
7 aggressive in the amount of trees we're removing beyond
8 the right-of-way, and once you get into removing those
9 trees on an individual basis, it does get more time
10 consuming for kind of area you're getting.

11 So certainly the increased cost we've
12 seen, and what we've discussed yesterday as part of the
13 right-of-way program, we feel are well justified, but I do
14 think it's best if I take that away in an undertaking to
15 provide more detail.

16 Q. Okay. I think ---

17 THE CHAIR: Okay. So the undertaking
18 will be U-19, and it will be to provide more detail on why
19 the cost per kilometre in -- for 2024 and 2025 on the

1 "D010 and New ROW Spend" for Table 1, why it went up by so
2 much between -- from 2023 to '24 and '25.

3 UNDERTAKING U-19 - To provide
4 more detail on why the cost per
5 kilometre for 2024 and 2025 on
6 the "D010 and New ROW Spend" for
7 Table 1 went up by so much from
8 2023 to 2024 and 2025

9 MEMBER MURPHY: Okay. Thank you.

10 Jeff, can you go to PDF page 571,
11 please? Jeff; I keep saying Jeff.

12 MR. NORWOOD: I'll change my name to
13 Jeff.

14 BY MEMBER MURPHY:

15 Q. Okay. This is a table Nova
16 Scotia Power provided in response to Board IR-29. It
17 provides outage statistics, tree contact -- or event
18 outages caused by tree contacts, customer hours of
19 interruption by tree contacts, and customer interruptions

1 | caused by tree contacts from 2020 to 2024.

2 | Can you confirm for me that these --
3 | this particular table includes outages caused by MEDs and
4 | EEDs? It's all-inclusive numbers?

5 | **A.** (MacMullin) Subject to check, but
6 | certainly the numbers there do look inclusive of MEDs.

7 | **Q.** And EEDs?

8 | **A.** (MacMullin) Correct.

9 | **Q.** Okay. And can you confirm for me
10 | that in 2021 and 2024, there's no MEDs or EEDs in either
11 | one of those years?

12 | **A.** (MacMullin) Correct.

13 | **Q.** Okay. Thank you. So I want to
14 | focus on 2021 and 2024, given that those particular years
15 | in this table had no MEDs or EEDs, so we would -- I
16 | suppose we'll call them, for the moment, sort of normal
17 | weather conditions, or the conditions that, I suppose,
18 | Nova Scotia Power reports, in terms of its performance
19 | standards.

1 So the Chair told me he'd give me a
2 little indulgence. Rather than kind of flipping between
3 IRs, because my questions on this particular topic span a
4 couple of IR responses. I made a little table to
5 summarize those responses.

6 **MEMBER MURPHY:** So Rob, if you could
7 call up my -- the graphic I sent you. It's called
8 "Graphic 1".

9 **THE CHAIR:** Again, like the tables
10 that were prepared by the Industrial Group solicitor,
11 we're going to simply mark these for identification
12 purposes. The evidence -- these numbers, as I understand,
13 come from the IR responses and from this actual
14 Application, so the evidence is not this, the graphic, but
15 the actual evidence. If it turns out that these are
16 incorrect numbers, then it is what it is.

17 So the evidence is what's in the
18 Application and what's going to be said on the stand.
19 This is simply for identification purposes.

3 --- EXHIBIT NO. N-21:

5 1 NSEB

7 Q. So again, it does say in here
8 where the information comes from as it relates to the
9 responses to the IRs, and how some of the other numbers
0 were determined, but, again, I just want to focus on '21
1 and '24 because those are the years where there was no
2 MEDs or EEDs.

18 So that's fine. But if you notice, in
19 terms of customer interruptions and customer hours of

1 | interruptions in those two years where there was -- again,
2 | where there was no MEDs or EEDs, customer interruptions
3 | increased from '21 to '24 and customer hours of
4 | interruptions increased from '21 to '24.

5 | And in addition to that, the average
6 | -- this is my calculation, and you're free to check it if
7 | you want. The average customer outage duration from tree
8 | contacts increased from 2.83 to 2.98.

9 | So in addition, based on my
10 | calculations, the percentage of tree contact outages
11 | resulting -- or on lines that had vegetation management
12 | work represented roughly 72 percent of the total tree
13 | contact outage events in 2021 and 68 percent in 2024. And
14 | again, you're free to check that math.

15 | So in summary, I guess, between 2021
16 | and 2024, the work that was done on the lines on which
17 | vegetation management was completed resulted in roughly a
18 | 3 percent decrease in tree contacts over that three-year
19 | period but, again, the customer interruptions increased

1 and the customer hours of interruptions increased.

2 So -- and over that period of time, I
3 believe \$57 million was spent on D001 and the right-of-way
4 work.

5 So in that context, as it relates to
6 normal weather conditions, can you tell me how ratepayers
7 have received the -- a good bang for their buck for that
8 \$57 million?

9 A. (MacMullin) So a couple of
10 important items for context when evaluating the numbers in
11 this table.

12 So again, subject to check, but your
13 math looks good to me.

14 So first of all, the operating
15 conditions of the system in 2021 versus 2024 were not held
16 constant, so the number of hours of wind gusts above 80
17 was around 100, approximately, versus closer to 70. So
18 you're looking at a -- you know, a substantial ---

19 THE CHAIR: Sorry. I just wanted to

1 make sure I understood that.

2 So which years are you talking about
3 when you're talking 80 and 70?

4 MS. MacMULLIN: Sure. In 2024, we
5 would have had higher number of wind gusts over 80 versus
6 2021. So around 100 hours of wind gusts over 80 in 2024
7 and closer to 70 in 2021. So we're looking -- and again,
8 that is just one datapoint, certainly.

9 We understand how wind gusts are
10 measured. They're measured at the top of the hour at
11 representative stations. We know that the way wind works
12 that within that range some areas can have much higher
13 gusts and some can have lower, so -- but what that is, is
14 a really good indication of the intensity that this -- and
15 the types of conditions the system is exposed to. And
16 it's a good proxy to understand what we're operating
17 under.

18 [11:10:14] So right off the bat, we know that
19 2024, we -- so while we held essentially constant in terms

1 of what we were seeing in terms of tree contacts --
2 outages due to trees, but it was in a much more severe
3 operating condition.

4 And I think, you know, that, again,
5 when you're evaluating this, it's really important to
6 consider that factor.

7 **BY MEMBER MURPHY:**

8 Q. I understand what you're saying,
9 but, you know, I think it was Mr. Dandurand and I had this
10 conversation last year and the expectation, I think, from
11 the Board, and certainly from customers as well, is that,
12 you know, there's improvement expected from Nova Scotia
13 Power in face of the increasing severity of weather.

14 So I understand that there was
15 different operating conditions, but the expectation is,
16 regardless of that, there's an expected -- there's to be
17 an expected improvement under normal weather conditions.
18 And when you look at this table, as it relates to customer
19 interruptions and customer hours of interruption and the

1 average duration, there's not really an improvement from
2 2021 to 2024 and there was \$57 million spent.

3 **A.** (MacMullin) So it is absolutely
4 the intent of the investment program, the \$45 million last
5 year and the \$45 million this year in vegetation
6 management, that we are -- we are prioritizing on that
7 work on the areas that we feel will have the biggest
8 impact on the -- reducing the duration and frequency of
9 outages; moving the trees away from the line.

10 We have absolutely seen that benefit
11 and we have that quantified. So year over year, 2025
12 versus 2024, we have about a 19 percent reduction in
13 outages due to trees. So customers are absolutely reaping
14 the benefit of those investments.

15 And we have seen some of the best
16 performance since 2020 with duration when it comes to tree
17 contact, so we have -- we have evidence that has been
18 presented that the program is reaping benefits.

19 Again, this particular snapshot is

1 looking at -- so we're particularly looking at the feeders
2 and the contribution of outages due to trees from the
3 feeders that we've chosen to prioritize for this work,
4 which means by their nature these are feeders that we
5 identified that were contributing to duration and
6 frequency of outages because of trees.

7 So you're looking at a subset, so --
8 of the system, a small subset of the system, that had
9 already been identified as having issues and these -- that
10 -- which is why we're targeting it. And then again, we're
11 just looking at the analysis in terms of what are the
12 contributions of those feeders to outages.

13 And so it -- you know, when you think
14 of all of those things, and that's important context when
15 evaluating the program. But from our point of view, we
16 know that we are prioritizing the highest risk areas and
17 we are absolutely seeing a decrease in the duration and
18 frequency, as evidenced in our results in 2025.

19 Q. I suppose what would be

1 interesting would be to see the -- would be to see the
2 number of customer interruptions and customer hours of
3 interruption on those lines on which vegetation management
4 work has been done; in particular, you know, from my --
5 from what I'm interested in for '21 and '24.

6 And unfortunately, I don't think that
7 was provided in the response to IR-128. I think what was
8 provided was, you know, the percentages of customer hours
9 of interruptions. There was a percentage of tree
10 contacts, I think, or just -- percentages were provided
11 rather than the actual number of hours of -- customer
12 hours interruptions and CIs.

13 So as an undertaking, I'd like to get
14 that information. So I'd like to get number of customer
15 interruptions, CIs, and the number of customer hours
16 interruption. Let's go for each year from 2020 to 2025 on
17 the lines on which vegetation management work was
18 completed. And I think those are the lines that are
19 provided in response to IR-128.

1 A. (Beaton) Just for a point of
2 clarification, on lines that were completed in each
3 calendar year or in the years preceding?

4 Q. Just with the lines that were
5 identified in 128.

6 THE CHAIR: Is it possible to bring up
7 that IR-128? I know it's a long series of -- it's a
8 number of lines listed there, but I think ---

9 MEMBER MURPHY: Yeah, you can bring it
10 up.

11 THE CHAIR: I think we'll use that as
12 a reference point, because clearly the numbers should be
13 available since to calculate the percentages you have to
14 have real numbers, you have to have the denominator to
15 calculate the percentage.

16 MEMBER MURPHY: Go to N-6, Rob, and
17 maybe ---

18 MS. MacMULLIN: We'll endeavour,
19 absolutely, to undertake that to provide that.

1 And I think again it's important to
2 understand that when work is completed -- so if we have
3 work that's scheduled to be completed in 2021 and you wrap
4 it up in November that you may not immediately see the --
5 you know, the benefits in that year.

6 So certainly we'll looking at
7 providing that, I think, to the intent of what you're
8 looking for, which you're looking for a demonstratable
9 benefit.

10 **BY MEMBER MURPHY:**

11 **Q.** Exactly.

12 **A.** Yes. Understood.

13 **THE CHAIR:** So it will be essentially
14 to provide the information, as Mr. Murphy has described,
15 with respect to the lines that are set out in the
16 attachment to IR-128 -- Board IR-128. That's U-20.

17 **UNDERTAKING U-20 - Re Board IR-**
18 **128, to provide the number of**
19 **customer interruptions and the**

1 number of customer hours
2 interruption for each year from
3 2020 to 2025 on the lines on
4 which vegetation management work
5 was completed

6 THE CHAIR: And obviously if there is
7 any commentary you want to make when you're responding to
8 undertakings, you can put those commentaries as well, but
9 you've already made most of those on the record anyway.

10 MEMBER MURPHY: Okay. Thank you.

11 One last question on this routine.

12 Jeff -- Rob, if you go to 577. Every
13 time I say Jeff from now on you can fine me a quarter. Is
14 that 577? Okay.

15 BY MEMBER MURPHY:

16 Q. In this particular IR -- I'll
17 read it out. It says:

18 Board staff analysis of Attachment 1 reveals
19 that the utility work on 71 feeders,
20 totalling 753 [kilometres]. Out of these 71
21 feeders, 23 feeders, totaling 215

1 [kilometres], maintained, or worsened, their
2 original ranking even after vegetation
3 mitigation [management] work. Please
4 provide the cost of vegetation management
5 work performed in 2024 on the 21 feeders
6 described above.
7

8 **MEMBER MURPHY:** And if you scroll down
9 to the response, Rob. Right there.

10 **BY MEMBER MURPHY:**

11 **Q.** It says:

12 The total kilometres completed in 2024 on
13 the capital program is 940 [kilometres] as a
14 total cost of [\$30.8 million].
15

16 I don't think that response actually
17 answers the IR. I think that \$30.8 million was the total
18 spent on the -- if we went back to that table I referenced
19 in 128, that was the total spending on the ---

20 **A.** (Beaton) That is correct, yes,
21 sir.

22 **Q.** So I'd like to get as an
23 undertaking the response to the IR which asked for the
24 spending, I think, on those -- well, the IR says 21

1 feeders, but I think it's 23 feeders.

2 A. (Beaton) We'll endeavour to.

3 Again, going back I think we need to make sure that we've
4 got that data available in the wake of the cyber event for
5 2024 investment. (Inaudible due to mumbling) to make some
6 assumptions potentially, but we can certainly provide a
7 table.

8 Q. Okay. Thank you.

9 THE CHAIR: Okay. So the Undertaking
10 U-21, which is to provide the table -- just go back to the
11 -- to actually respond to the question that was in IR-132,
12 if the information is available.

13 UNDERTAKING U-21 - To actually
14 respond to the question in IR-132

15 MEMBER MURPHY: Okay. I think the
16 Chair had a question before I move on.

17 THE CHAIR: It had to with -- and I
18 know we've gone through this before with respect to the
19 increasing wind speed and the datapoints that are used

1 | that are from, I think, Environment Canada, but does Nova
2 | Scotia Power have its own wind -- system collecting
3 | information on wind that goes beyond the Environment
4 | Canada information?

5 | [11:19:58] The reason I ask is because many years
6 | ago when the wind farms were first being introduced there
7 | seemed to be a lot of data on wind. I'm not sure if that
8 | came from third parties or how that was accumulated. But
9 | just trying to cite the wind farms there was a lot of data
10 | that seemed to go well beyond what Environment Canada
11 | provides, or those five datapoints, so that's why I ask.

12 | **(SHORT PAUSE)**

13 | **MS. MacMULLIN:** Do you mind repeating
14 | the question, just to make sure I'm on track?

15 | **THE CHAIR:** My question is essentially
16 | whether Nova Scotia Power has its own wind data collection
17 | systems that go beyond what is provided -- what
18 | Environment Canada provides and what you're using as your
19 | five datapoints for a lot of the discussions that take

1 place around wind?

2 MS. MacMULLIN: So we do not. Nova
3 Scotia Power does not have independent or our own wind
4 collection devices. Your reference to wind farms, in
5 cases such as that there are third-party engagements where
6 they would do specialized analysis, which is separate.
7 But we would rely on the established monitoring sites as
8 available from Environment Canada, and then there are
9 several forecasting agencies that would use that data and
10 then make decisions based on what they're seeing.

11 THE CHAIR: Okay. Thank you.

12 MEMBER MURPHY: Thank you, Mr. Chair.

13 BY MEMBER MURPHY:

14 Q. Okay. I'm going to move on. I
15 have a quick question. I wouldn't normally ask a question
16 on an item for subsequent submittal, but -- because we can
17 ask relevant questions when they're submitted for
18 approval. But I did have one question on the Tusket 1
19 Overhaul Project CI49595. And my first question related

1 | to that is would that project be required if Tusket was
2 | decommissioned?

3 | **A.** (Drover) Yes, that project would
4 | be required in order to manage water in either case.

5 | **Q.** In either case. Okay. Thank
6 | you.

7 | All right. I'm going to move on to
8 | the Five-Year Reliability Plan. I have a few questions on
9 | that.

10 | **MEMBER MURPHY:** Rob, can you call up
11 | Figures 4 and 3 from Appendix G? That's N-1, pages 714
12 | and 715. So just stop there for a sec.

13 | **BY MEMBER MURPHY:**

14 | **Q.** That's the -- I think we talked
15 | about this figure yesterday -- annual customer hours of
16 | interruption from tree contacts. And scroll down to
17 | Figure 4, and I that's, I think, annual hours of
18 | interruptions due to failure of equipment.

19 | And I just want to confirm, as it

1 relates to those figures, that the numbers in those
2 figures exclude any impacts from MEDs and the EEDs.

3 A. (MacMullin) That's correct.

4 Q. Thank you.

5 **MEMBER MURPHY:** Rob, can you call up
6 Exhibit N-7, PDF page 30? That's the response to the SBA
7 IR-18.

8 **BY MEMBER MURPHY:**

9 Q. Okay. In this response, Nova
10 Scotia -- I think Ms. Powell talked about this figure
11 yesterday a little bit. Nova Scotia Power provided an
12 update to Figure 68 from the ACE Plan with updated numbers
13 for 2025. And perhaps it's a bit of a minor point, but
14 the figure -- this particular figure for 2022 shows about
15 810,000 hours of customer interruptions in 2022, but the
16 figure in N-1 at 714.

17 **MEMBER MURPHY:** Can you just flip back
18 to that real quick, Rob?

19 **BY MEMBER MURPHY:**

1 Q. It shows for 2022, I don't know,
2 760,000. All the other years look about right, but that
3 year looks to be off a little bit. Is there an
4 explanation there?

5 A. (MacMullin) So the difference
6 between the two, so the figure with major and extreme
7 removed is different from performance standards because
8 performance standards also excludes SEDs when they follow
9 an MED and planned outages. So there would be a small
10 difference between a figure that is just showing major and
11 extreme events and a figure that is reflecting the value
12 for performance standards, which also excludes planned
13 outages and significant events when they follow a major
14 event.

15 Q. Okay. So is it the -- which is
16 the figure that excludes those other ---

17 A. (MacMullin) Fair. So in Appendix
18 G, Figure 3 is excluding planned, major and extreme, and
19 sometimes significant, and the figure in the main body --

1 | or the figure in your -- in the -- I believe the response
2 | to the CA, that is just major and extreme events. So I
3 | would expect the Figure 3 to have a lower value in some
4 | cases due to the planned outages being excluded in that
5 | one versus the other.

6 | Q. Okay. All the other numbers are
7 | the same, though. Was there no planned outages in the
8 | other years? Or they look to be the same.

9 | A. (MacMullin) I would suspect that
10 | it's due to the representation of since we are looking at
11 | a bar graph as opposed to a numerical value.

12 | Q. So there might be a little
13 | difference. Okay.

14 | MEMBER MURPHY: Can you go back to
15 | that Figure 68 -- the revised Figure 68 there.

16 | BY MEMBER MURPHY:

17 | Q. Ms. Powell talked about this
18 | yesterday and I want to talk about it again very briefly.

19 | The trendline, as Ms. Powell noted

1 yesterday, in the Application was going the other way. It
2 was a decreasing trend. Now it shows an increasing trend
3 from 2026 to 2025 as it relates to tree context and
4 customer hours of interruption with MEDs and EEDs removed.

5 And I suppose you explained it a bit
6 yesterday, but I just wanted to put a little more context
7 on it based on the numbers that were presented in response
8 to Board IR-28. Nova Scotia Power spent 126 million on
9 D010 and new right-of-way spending between 2018 and 2025,
10 so quite a bit of money in those years, and the trend is
11 increasing.

12 So I understand the response you gave
13 yesterday to Ms. Powell, but I'm going to ask it again in
14 that context, that there was 126 million spent and the
15 trend is getting worse, at least as is reflective of
16 customer hours of interruption.

17 A. (MacMullin) So again, really
18 important context when we're looking at Figure 68 is to
19 understand what happened in 2022 and then again in 2023

1 | where we experienced two large hurricanes. So when we
2 | have catastrophic events that hit the system like
3 | Hurricane -- like Hurricane Fiona, we have hangover
4 | impacts. So it absolutely -- in the months and even up to
5 | a year afterwards, we see weakened condition on trees that
6 | continue to impact our infrastructure afterwards.

7 | And so again, it's just really
8 | important context when you're looking at it. So we're not
9 | looking, again, at the operating conditions of the system
10 | as being held constant as we're evaluating the impacts of
11 | our investments. So the investments are counteracting the
12 | effects of extreme operating conditions and catastrophic
13 | storm conditions such as the winds that we experienced
14 | during Fiona.

15 | [11:30:08] Q. I understand that. But again,
16 | with respect to the performance standards, I guess, I'm
17 | more concerned about normal weather.

18 | Again, this trend is going the wrong
19 | way, for \$126 million. And I might even -- and I'm only

1 | guessing here, but if I took '22 and '23 out, the trend
2 | still might be going the wrong way.

3 | A. (MacMullin) So again, when we
4 | look at real performance of the system, we have seen about
5 | a 19 percent reduction in outages year over year.

6 | Q. That's inclusive with MEDs and
7 | EEDs, right?

8 | A. (MacMullin) Subject to check, I
9 | believe that's performance standards data, but I need to
10 | double check.

11 | Q. Well, this is performance
12 | standards data, isn't it?

13 | A. (MacMullin) Just one moment.

14 | So I will undertake -- I'll just
15 | double check that momentarily in terms of whether or not
16 | that is inclusive or not of performance standards data or
17 | whether it's inclusive of major/extreme. But what we are
18 | seeing -- just to get to, you know, what we're looking at,
19 | so absolutely we know that the investments that we're

1 | doing are showing benefits. We are seeing -- we
2 | absolutely are seeing a reduction in the duration and
3 | frequency of outages due to trees. It has -- it is
4 | evidenced in the data and in the evidence that we've
5 | presented to the Board.

6 | When we're looking at the parameters
7 | in which the system is operating in, we have seen much
8 | more exposure to higher winds and that does -- that is
9 | something that, again, when my colleague, Mr. Beaton, is
10 | talking about the way that we've changed in how we're
11 | presenting the program, that is in response to that. So
12 | when we have Vegetation Management Program looking at a
13 | kilometre, looking at a span, we are looking at it
14 | differently than we did five years ago where we're saying
15 | can we go a bit further off right-of-way, can we negotiate
16 | with customers to get trees that we know from our skilled
17 | foresters and arborists are at risk due to the nature of
18 | their species and, you know, the way that they are
19 | presenting in nature that they would understand that they

1 | would be at risk of damage due to wind. And so we're
2 | going after those.

3 | And those are the types of things that
4 | we -- that are now starting to reap that benefit.

5 | Q. Perhaps when you're talking about
6 | the dramatic improvement, maybe you're talking about from
7 | '24 to '25, and I'll give you that based on this graph.
8 | But from 2016 to 2025, inclusive, this particular figure
9 | is not showing that in terms of customer hours of
10 | interruption.

11 | Yes, there was an improvement from '24
12 | to '25, and I recognize that. But over the long term, for
13 | \$126 million, this graph doesn't show that. Would you
14 | agree?

15 | A. (MacMullin) What this is -- just
16 | a moment.

17 | So when we are looking at the overall
18 | performance and when we're considering the context, we
19 | absolutely cannot remove the consideration of the

1 | operating conditions of the system.

2 | So we know that the operating
3 | conditions of the overhead system have changed in terms of
4 | the impact of the higher number of winds and gusts above
5 | 80 that we're experiencing. It's gone up. It's a
6 | different climate. It's changing. And they're the
7 | resultant, on an overhead system, of a storm like Fiona
8 | followed up by a storm like Lee is not net zero. It has a
9 | huge impact on the impact of our program and how our
10 | assets are able to operate after being exposed to
11 | conditions such as that.

12 | And so when we're looking at this and
13 | when you're looking at the investments, the substantial
14 | investments in the system over that time, it is not --
15 | when we look at the fact that we have still seen a benefit
16 | year over year in light of the changing conditions, that
17 | is a result. The system is reaping benefit in terms of
18 | just holding its own, which it isn't. It is absolutely
19 | showing benefits. It's showing a reduction.

1 But in light of the intense
2 catastrophic system and winds that we experienced in 2022
3 and 2023, it is definitely showing that it's having
4 benefit and it's causing less impacts to the system.
5 Every time we clear a span, that is a benefit to
6 customers, and we know that we are prioritizing the spans
7 that have the biggest impact.

8 We are -- we've shown evidence with
9 visuals, with photos to show what a span looks like before
10 it's cleared and after just to -- you know, just to make
11 it -- and I think probably, as you've driven, you've
12 probably seen the impact where we've been in communities.
13 And so those things, there is no question that they reduce
14 the number of -- they reduce the overall exposure of that
15 line the next time that works -- we experience snow, ice
16 secretion and those winds.

17 Q. Okay. I don't want to rehash
18 what we talked about previously. I'll move on a little
19 bit.

1 **MEMBER MURPHY:** Rob, can you call up
2 Exhibit N-6, PDF page 89, please? And that's a response
3 to Board IR-35(d).

4 And that's -- yeah, right there.

5 **BY MEMBER MURPHY:**

6 **Q.** I don't want to read the whole
7 thing, but I'm just really interested in the last
8 sentence. It says:

9 However, previously stated assumptions
10 indicate that approximately 80 percent of
11 tree contacts originate from outside the
12 maintained right-of-way.

13 And my question, really, is, does that
14 sentence suggest that Nova Scotia Power's efforts on D010
15 and the new right-of-way widening is only going to address
16 20 percent of the tree contacts?
17

18 **A.** (Beaton) No, I wouldn't
19 characterize it like that.

20 Any time we remove -- or increase the
21 width of our right-of-ways in a situation where there's
22 creating new or widening current, it's lessening the

1 | likelihood of tree fall-ins. In addition to that, the new
2 | approach or assessing potential hazard trees based on
3 | species, condition, current environment will then further
4 | lead to reducing the threat of fall-ins.

5 | But it's certainly important to
6 | understand that the right-of-way widening program or
7 | creation of right-of-way program isn't intended to
8 | eliminate tree outages. We'll never be in a situation on
9 | our distribution system where the right-of-ways are going
10 | to be wide enough to completely mitigate the risk of tree
11 | fall-ins. So they will continue to be a threat that we'll
12 | manage. But certainly one shouldn't assume we're only
13 | removing 20 percent of the threat through this program.

14 | Q. I suppose over time, then, that
15 | that 80 percent number, you would expect that to decline.

16 | A. (Beaton) Likely, yes. It would
17 | also obviously depend on the total number of outages based
18 | on the benefit of the non-widening or capital program.

19 | Q. Okay. Thank you.

1 **MEMBER MURPHY:** Rob, can you to N-1,
2 page -- PDF page 709? Right at the bottom.

3 Maybe scroll up so we can see the top
4 of the next page, too.

5 **BY MEMBER MURPHY:**

6 [11:40:04] Okay. It says -- I'll read it out.
7 It says:

8 The system is already responding positively
9 to this work with an observed improvement to
10 performance standard metrics. As of October
11 31[st], there is a 53 percent reduction in
12 customer [hour] interruptions and a 29
13 percent reduction in customer hours of
14 interruption due to device failure in 2025
15 over 2023 levels.

16
17 **MEMBER MURPHY:** And if you go to PDF
18 page 715, Rob, you can see that the figure basically
19 confirms that statement.

20 But I wanted to go back to the SBA's
21 IRs. If you can go to IR-7 -- Exhibit N-7, PDF page 40,
22 Jeff [sic]?

23 Just scroll down so we can see that
24 figure.

1 **BY MEMBER MURPHY:**

2 Q. So you can see the bar for 2025
3 has changed as it relates to customer hours of
4 interruption from failure of equipment.

5 So in the Application, Nova Scotia
6 Power stated there was a 29 percent reduction in customer
7 hours of interruption due to device failure in 2025
8 compared to 2023. But based on the updated figure, would
9 you agree with me that the reduction is only really 6
10 percent now?

11 A. (MacMullin) It's correct. The
12 numbers that were initially referenced were year-to-date
13 end of October and, at year end, we -- the reduction was
14 lessened.

15 Q. And you would agree with me that
16 the numbers for 2025 are similar to 2021 and actually
17 worse than they were in 2020.

18 A. (MacMullin) That's correct.

19 Again, the difference between 2025 and

1 2021 is the number of hours of gusts above 80 that the
2 system was exposed to.

3 Q. And again, I will reiterate it,
4 the Board expressed this last year, that its expectation
5 is Nova Scotia Power will improve in light of those
6 increasing severity of winds and weather.

7 A. (MacMullin) That is absolutely
8 the goal of the Five-Year Reliability Plan. The goal is
9 to have a sustained demonstrated benefit of reduction in
10 the duration of outages and be consistently meeting
11 performance standards by 2029. So absolutely the goal and
12 the stated benefits of this plan are to meet that.

13 Q. Okay. Thank you.

14 MEMBER MURPHY: Rob, can you go to N-
15 6, PDF page 587? That's response to the Board IR-137(c).
16 Let's just see the question first.

17 BY MEMBER MURPHY:

18 Q. The question was:

19 Please explain how the Board should assess
20 the effectiveness of the 10-year Vegetation

1 Management Plan when addressing the further
2 vegetation management plans proposed by
3 [Nova Scotia] Power.
4

5 And if we scroll down to the response,
6 right there, it says:

7 Measuring the success of the program should
8 be considered from a risk point of view.
9 Creating adequate vegetation separation will
10 reduce the risk of an outage caused by
11 vegetation in conflict with energized
12 conductors. Continuing to target off right-
13 of-way hazard trees will also continue to
14 reduce risks of outages caused by fall ins.
15 All...proposed [future] vegetation plans
16 will continue to focus on reducing risk and
17 providing safe and reliable service for
18 customers.
19

20 Q. My question is, can you describe
21 to me how this reduction in risk can be measured so the
22 Board and customers can determine the effectiveness of the
23 future vegetation management plans, particularly as it
24 relates to costs?

25 A. (Beaton) Certainly. So when we
26 speak about risk in this scenario it's really vegetative
27 condition on the line, and in any situation where we're

1 completing this work we are improving that vegetative
2 condition on that section of the line. You may not see
3 the overall -- depending on how much work is done you
4 might not see an overall impact from a vegetative score
5 and the 1 to 5 scale of change, but in every situation and
6 every span we complete we're improving the vegetative
7 condition and thus reducing the risk of a tree fall-in.

8 We continue to get much better insight
9 on the condition -- vegetative condition on our system.
10 We now have, through our initiative with a satellite
11 imagery company, a very detailed condition of the entirety
12 of our vegetation system, which we've explained in the
13 Application and IRs. So we're very confident that in
14 every situation that we complete this work where we're
15 reducing the risk of a tree contact or a tree fall-in, we
16 are avoiding outages that otherwise would happen in the
17 future. So while we may not, on an individual feeder, see
18 -- in a given year see fewer tree contacts compared to a
19 prior year, or any other year that one compares to, we

1 remain very confident that we will see fewer tree contacts
2 than we otherwise would have.

3 So similar to many of our investments
4 where we endeavour to do them proactively and to eliminate
5 risks before they occur, in many of these cases we may be
6 -- we can be completing work based on the leading
7 indicators, which would be the vegetative condition, as
8 opposed to just lagging indicators, and we're completing
9 this work to avoid future outages that we do think will
10 occur, as opposed to just finding areas that have had
11 outages and only focusing on those areas to reduce the
12 risk in that area.

13 So focusing on the vegetative
14 condition allows us to be very confident that we are
15 reducing the risk of tree contacts. It gives us
16 confidence that we're focusing on the right area, because
17 we know the vegetative condition of our entire system, as
18 opposed to simply relying on lagging indicators such as
19 past outage data.

1 Q. So in terms of measuring the
2 effectiveness, then, are you suggesting that the
3 measurement be changing condition rating?

4 A. (Beaton) Yes, that's correct.
5 That's our primary measure.

6 Q. So there's no cost component
7 related to that measurement of effectiveness; it's just a
8 change in the rating of a particular feeder? A feeder
9 goes from four to three -- I can't remember which way is
10 good and which way is bad, but let's say the four is bad
11 and three is better, it goes from four to three, that's
12 how you're going to measure the effectiveness without any
13 consideration of cost in terms of measuring that?

14 A. (Beaton) Certainly we have
15 consideration of cost. We (inaudible due to mumbling)
16 this program in the best, most cost-effective way
17 possible.

18 We currently don't have a metric on a
19 dollar per condition score change. Generally, we complete

1 -- there'd be a condition score basically on a span-by-
2 span, although we report on it at the feeder level, but we
3 manage our program at the span level, so the area between
4 the two poles, when we complete our vegetation program.
5 Each one of those would have its own score. And any
6 situation where we complete work such as this, that's
7 dropping the vegetative condition score to whatever is
8 today, whether that be a three, four, or five, to a one,
9 which is the best -- which is the most optimal condition.

10 Q. Okay. I understand that. But I
11 suppose from the Board's perspective and the customer's
12 perspective, you know, a big thing is cost, and a big
13 thing is outages, and, you know, the condition of a line
14 can change -- the condition already can change, but is it
15 at any cost?

16 In addition, even if the condition
17 rating changes, I think based on some of the numbers I
18 showed earlier it doesn't necessarily translate, at least
19 over the past number of years, into reduced customer

1 | outages and customer hours interruption, at least under
2 | those years without MEDs and EEDs. So, you know, to
3 | measure effectiveness just by changing condition rating,
4 | at least in my opinion, doesn't seem to consider outages
5 | nor costs.

6 | A. (MacIntosh) Mr. Murphy, I can
7 | speak to this. I think if we go back to the conversation
8 | yesterday -- I agree with your point that condition rating
9 | alone would not be adequate, but once we look at
10 | vegetation condition, and then you also have to look at
11 | the consequence of vegetation on that line and that
12 | segment, so that's the consequence. Those two together
13 | identify risk. So condition and consequence together
14 | determine risk. Those are both determinative.

15 | [11:50:19] But as we talked about yesterday, is
16 | after we've identified the vegetation risks on the system,
17 | and then looking at the criticality of where those
18 | vegetation risks are, we get a risk score, or a risk
19 | rating, and then we need to apply -- to your point --

1 | what's the best reliability cost efficiency to deal with
2 | that risk? And that's where we look at mitigation
3 | measures to determine what's most cost-effective for our
4 | customers.

5 | So I agree with your point that
6 | condition alone would not give you the exact monetary
7 | value of that reduction in risk.

8 | **Q.** How do you factor customer
9 | interruptions and customers hours of interruption into
10 | that analysis?

11 | **A.** (MacIntosh) So each feeder would
12 | have a criteria for criticality. So if you had an outage
13 | on this particular feeder here's how many customers would
14 | be impacted. So that's based on the criteria for
15 | criticality of that asset. We do it for all of our
16 | assets, we would have a criticality rating. So that's how
17 | we get at the impact -- potential impact of an outage.

18 | **Q.** Okay. Thank you.

19 | I think Ms. Powell touched on this a

1 | little bit yesterday. Nova Scotia Power's target for
2 | SAIDI for its Five-Year Reliability Plan is 2.05; is that
3 | correct? Or SAIFI -- sorry -- is 2.05?

4 | **A.** (MacMullin) That's correct.

5 | **Q.** And that's a target for 2029;
6 | correct?

7 | **A.** (MacMullin) That's correct.

8 | **Q.** And that standard's been in
9 | place, I think, since 2017; correct?

10 | **A.** (MacMullin) So the goal of the
11 | program, in terms of defining it as a target, so our
12 | target every single year, our goal every single year is to
13 | meet the established performance standards with the safety
14 | of 2.05. The goal of the Five-Year Reliability Plan is to
15 | put the company in a position, again within the context of
16 | the changing climate, that we're able to consistently meet
17 | that. And so the intent of these investments is that by
18 | the end of 2029 that we have completed investments such
19 | that we are able to consistently meet that within the

1 | operating conditions and the climate in which the
2 | company's operating.

3 | Q. Okay. And I think to Nova Scotia
4 | Power's credit in response to IR-186 showing your safety
5 | results for 2024 and 2025 both exceeded the standard. I
6 | think in 2024 it was 1.97 and 2025 it was 1.57. So both
7 | bested the target of 2.05; is that correct?

8 | A. (MacMullin) That's correct.

9 | Q. So in light of that, I guess
10 | there's two ways to look at it I suppose, why not change
11 | -- you've met the target in those two recent years, why
12 | not change your target? I know what the performance
13 | standards say; they may change, but at least for the past
14 | two years you've met that standard. So I suppose there's
15 | two options. You could try to achieve -- change your
16 | target to meet those numbers, or increase your spending,
17 | perhaps, to stay at the 2.05 target. Just can you give me
18 | your comments on that?

19 | A. (MacMullin) So a couple of

1 | things. Again, so as you mentioned, the performance
2 | standards do have an inherent ratcheting baked into them,
3 | so they're -- as the performance of the system improves
4 | the target would move with it. So that is already baked
5 | into the way in which we are measured, held accountable.

6 | Again, it's when we're looking at
7 | SAIDI and SAIFI they are connected; they don't move
8 | independently of each other. And so the investments on
9 | our system that we're recommending are meant to -- again,
10 | to reduce both the duration and the frequency. And so we
11 | have seen -- with the conditions that we experienced in
12 | 2025, we have seen that the system met the SAIFI results.

13 | Absolutely when we look at the
14 | variability that is inherent in the system and with the
15 | weather that we can be exposed to, we do see that there is
16 | some potential there for things to change as the system
17 | responds to those conditions. So we would be -- it would
18 | be our recommendation, as outlined in the plan, that
19 | continued investment, as defined here, is the numbers that

1 | is needed, and these are the programs that should be
2 | targeted so that by 2029 -- and with, I might add,
3 | incremental improvement each year, certainly not -- you
4 | know, there won't be a step change at the end. There will
5 | be a step change every single time one of these projects
6 | is completed, every single time a span is cleared of trees
7 | we need to realize that benefit in real time.

8 | And so to try to separate functionally
9 | that SAIFI has had -- has reached, in 2025, a value where
10 | we may be potentially theoretically comfortable with
11 | sitting and then disconnecting that from SAIDI, would be
12 | incorrect.

13 | Q. Okay. Understood.

14 | Let me ask you a question on SAIDI,
15 | then. And again, Ms. Powell referenced this yesterday.

16 | I think the new target, 20 percent
17 | reduction in -- I forget the number, but 5.1 something --
18 | 20 percent reduction, that takes you down to 4.08. That's
19 | your target for 2029, I believe. You may have said 4.1,

1 | but we won't -- I don't think we'll quibble over the
2 | difference there.

3 | So your target is 4.08 by 2029. The
4 | current standard is 4.29. The performance standard is
5 | 4.29. So when you look at those two numbers in terms of
6 | minutes of improvement in SAIDI, that's -- by my
7 | calculations, it's a 12.6-minute improvement in SAIDI from
8 | the current target by 2029. And from 2021 to 2025, again,
9 | Nova Scotia Power spent 97 million on D010 and new right-
10 | of-way capital spending, and there's certainly lots more
11 | to be spent from '25 to '29.

12 | So how do you justify that amount of
13 | spending for a 12-minute improvement of SAIDI from the
14 | target?

15 | **A.** (MacMullin) So first of all, so
16 | again -- when we look at, again, the commitments of the
17 | plan, it is an hour reduction, right. So the overall goal
18 | of the plan is that, by the end of 2029, that, on average,
19 | customers are experiencing an hour of reduction in SAIDI,

1 | which is significant. It's 20 percent.

2 | The intent here is, again, to be
3 | consistently meeting performance standards. So you know,
4 | the goal that we're going for is slightly under that
5 | because, again, there is variability in terms of the
6 | response of the system. If we aimed to be right at 4.29,
7 | we know that sometimes we would be potentially over that,
8 | which would not be a successful intent and implementation
9 | of the program.

10 | But again, within that context, so
11 | absolutely the plan is being carefully monitored and
12 | evaluated each year. If this is more -- if this
13 | overshoots, so if by the end of year three we find that
14 | the system is performing and meeting these standards at
15 | that point, we will absolutely look at revising what '28
16 | and '29 look like.

17 | So right now, with the information I
18 | have in front of me, with my understanding of the system
19 | and how it responds to these investments, this is the plan

1 | that I feel is going to get us there within that,
2 | absolutely looking at -- in terms of the real actual
3 | result -- response of the system to those investments and
4 | what are we actually getting, in terms of duration.

5 | So we're providing that transparency
6 | in terms of how we're updating this, and within the
7 | performance standards venue as well in terms of looking at
8 | the performance of the system and then committed
9 | absolutely to looking at, you know, in future years if
10 | that should, in fact, be revisited.

11 | [12:00:10] Q. When you say an hour, an hour
12 | SAIDI, that's from Nova Scotia Power's current level of
13 | SAIDI performance; correct?

14 | It's not from the -- the target is
15 | 4.29, I think, right now, and Nova Scotia Power is above
16 | that, right? So when you say an hour improvement, it's
17 | from current SAIDI performance, which doesn't meet that
18 | standard.

19 | A. (MacMullin) It -- yeah, the

1 numbers there would have been based on, I believe, an hour
2 based on the previous five-year average, which was 5.1, to
3 get us down to the 4.29.

4 Q. And I recognize that an hour is a
5 pretty good savings but, you know, Nova Scotia Power, I
6 think, in seven of the past nine years hasn't met its
7 SAIDI target. And like I said, it's spent 97 million from
8 '21 to '25 on D010 and right-of-way widening. That
9 doesn't include operating costs related to vegetation
10 management. There's going to be lots more money spent
11 from now until 2029.

12 Again, recognizing an hour is a good
13 improvement, but how do you know you're getting your bang
14 for that buck?

15 A. (MacMullin) So I would ask that
16 we consider the evidence as has been presented that we are
17 demonstrating that we are targeting those investment
18 dollars, those vegetation dollars where we're widening or
19 establishing a right-of-way on the parts of the system

1 | that have demonstrated that, in terms of the condition
2 | that's being reported -- so we're using satellite imagery
3 | to have even more accurate indications of the -- of where
4 | the trees are in proximity to the line, so we're
5 | considering that.

6 | We are absolutely looking at the
7 | outage performance. We're looking at those lagging
8 | indicators. But we're not stopping there.

9 | And to my colleague, Mr. MacIntosh's,
10 | earlier testimony, we're then further looking at it in
11 | terms of what are the leading indicators, so what is the
12 | impact of this particular line if there's an outage and
13 | looking at the criticality of that line, how does that
14 | factor into it.

15 | So all of those things are a very
16 | sophisticated way and robust way of saying where should we
17 | be this year, what span should we be targeting.

18 | And then again, there has been careful
19 | reflection back in terms of how we're executing that

1 | program in the last couple years to say maybe we should be
2 | doing this a little differently. So is there a way --
3 | we're seeing more impact. We're getting -- when we can
4 | negotiate with customers, we are getting cleared right-of-
5 | ways, but we're seeing impacts from outside the right-of-
6 | way, so can we do something differently, and does that
7 | make sense. And so we've implemented them. We're seeing
8 | -- we're absolutely seeing benefits from that.

9 | And so all of those things together,
10 | those are the things that are driving the lists that
11 | you're getting. When you're seeing those lists of where
12 | are we going this year for D010, for new right-of-ways,
13 | that's where those lists are coming from.

14 | And again, I would suggest to you that
15 | we are absolutely seeing the system is responding
16 | positively. We are seeing a reduction despite the fact
17 | that the winds have almost doubled decade over decade. We
18 | are still seeing an improvement and that will -- year over
19 | year, as we complete more of this vegetation and as we

1 clear more trees away from the line, that is going to
2 build year upon year, and we will see those improvements
3 and ---

4 Q. Okay. Thank you.

5 One last question on this topic. You
6 recognize that there's a new performance standards review
7 under way. If the performance targets for SAIDI and SAIFI
8 change as part of that review, is it your intention to
9 change the targets for the Five-Year Reliability Plan to
10 match those?

11 A. (MacMullin) Absolutely the plan
12 would be updated. So if we're in a situation where as a
13 result of the Five-Year Reliability -- pardon me, the
14 performance standards review that there is a decision to
15 change performance standards, then this would change to
16 reflect that.

17 Q. So if the targets would change --
18 if the targets are lowered, let's say that the target for
19 SAIDI is 2.05, say it goes to 2 and the SAIDI target goes

1 down. So you'll adjust those targets accordingly in your
2 Five-Year Reliability Plan. Does that suggest your
3 spending's going to go up as well?

4 A. (MacMullin) So the core of these
5 programs -- again, let me answer it -- let me answer your
6 question this way.

7 We know that the things that we're
8 investing in when we're looking at storm hardening veg,
9 storm hardening target devices and modernizing the grid,
10 those are core foundational things that are going to get
11 us in the direction that we want to move.

12 So the question is, if the established
13 targets become more stringent for performance standards,
14 and that is the direction of this Board, then we will go
15 back and we will look at those core foundational programs
16 and then we will put forward to the Board what needs to
17 change, which could absolutely include -- if they became
18 more stringent it could include an increased recommended
19 spending in some of these areas.

1 Q. Okay. Thank you.

2 Okay. Just a few more questions. I
3 think we'll be done shortly, at least from my end.

4 I have some questions, probably again
5 for you, Ms. Drover, on hydro and I maybe have a couple on
6 Mersey as well.

7 In last year's ACE Plan proceeding, in
8 response to the Board IR-13(c) -- I could get Rob to call
9 this up, but I'll hold off for a second -- Nova Scotia
10 Power identified the estimated costs for the Wreck Cove T-
11 1 Tunnel Remediation Project would be roughly \$40.7
12 million from '25 to '28. This was in the five-year
13 projections for hydro spending.

14 And in this year's ACE Plan, in
15 response to Board IR-17 -- I can get Rob to call it up, if
16 you want -- but the projected spending for that project
17 has now dropped significantly to \$17.2 million.

18 I'm just wondering if you can identify
19 why that's changed so much.

1 **A.** (MacIntosh) Mr. Murphy, we
2 continue to monitor the condition of that piece of the
3 tunnel at Wreck Cove. A high-level response would just be
4 based on our understanding of the condition and the
5 updated scope of work for that project.

6 **Q.** Do you know when you expect to
7 submit that project for approval?

8 **A.** (MacIntosh) One moment, please.
9 Our latest information, it'll be 2028,
10 probably at the earliest.

11 **Q.** Okay, thank you.

12 There's a project within that five-
13 year-cost projection, a projection for hydro for the
14 Annapolis sluice gates and check refurbishment of about
15 5.6 million, and my question is if that Annapolis Tidal
16 Station is decommissioned, is that project still required?

17 **A.** (Drover) Yes, that project would
18 still be required. The decommissioning is associated with
19 the powerhouse and the generating assets. And that

1 project is for work on the dam and the continued safe,
2 reliable operation of the dam.

3 Q. Okay. If it was not to be
4 decommissioned, it would still be required?

5 A. (Drover) If it was not to be
6 decommissioned it would also still be required.

7 Q. Okay, thank you.

8 Another question on Wreck Cove, in
9 last year's ACE Plan proceeding, in that same five-year
10 projection, there was a project for Wreck Cove Tunnel T-2
11 remediation future phase for about \$28 million, and it
12 doesn't appear to be included in this year's five-year
13 projection. Is there any particular reason why?

14 A. (MacIntosh) A similar response,
15 Mr. Murphy.

16 We have been -- updated our strategy
17 to assess the condition and we're doing more inspections
18 through Remote Operation Vehicles in those tunnels. And
19 that's just reflective of our latest understanding of the

1 condition of T-2 when that major investment refurbishment
2 would be required.

3 [12:10:10] Q. Okay, thank you.

4 Just a couple of short questions on
5 the Mersey Hydro Project.

6 One of the Board IRs asked, I think,
7 Nova Scotia Power to confirm that the partial
8 decommissioning costs were more -- the estimated partial
9 decommissioning costs were more than the full
10 decommissioning costs. And Nova Scotia Power provided an
11 answer, and I think it was basically -- tell me if I'm
12 correct; it was basically because the water retaining
13 structures would still, in a partial decommissioning
14 option, would still require work. Correct?

15 A. (Drover) It is correct that the
16 partial decommissioning would be relative to the
17 powerhouses and the generating structures, and the dams
18 would still require refurbishment.

19 However, to your question regarding

1 partial decommissioning versus full decommissioning, the
2 estimates for those two scenarios are different classes of
3 estimates, and also the full decommissioning does not
4 incorporate costs associated with the socioeconomic
5 considerations, as well as internal costs and AO and AFUDC
6 costs.

7 **Q.** Okay. So I guess if we assume
8 for the moment that partial decommissioning would cost
9 more than full decommissioning, my question was going to
10 be why would it even be presented as an option? But I
11 suppose, based on what you just said, correct me if I'm
12 wrong, that the considerations of those socioeconomic
13 issues; is that correct?

14 **A.** (Drover) Yes, that is correct.

15 **Q.** Okay. And back to your other
16 point about how the costs -- they weren't developed to the
17 same level, partial decommissioning versus full
18 decommissioning, and that it's difficult to compare the
19 two based on those different levels of accuracy, if you

1 | will. When the full -- when the Application comes before
2 | the Board for the Tusket ATL for the dam refurbishment
3 | option, presumably Nova Scotia Power is going to compare
4 | the cost of the refurbishment project to partial
5 | decommissioning and the full decommissioning.

6 | At that particular time, are the costs
7 | of partial decommissioning and full decommissioning going
8 | to be developed to the same level as the refurbishment
9 | option? And, if they're not, based on what you just said,
10 | how will the Board be able to review the options and give
11 | it a fair comparison?

12 | **(SHORT PAUSE)**

13 | **MS. DROVER:** You are correct in your
14 | assumption that when the project for Tusket refurbishment
15 | comes before the Board, it will include an analysis of
16 | costs in all three scenarios: Full decommissioning,
17 | partial decommissioning, as well as refurbishment. And
18 | if, through the analysis, full decommissioning is in the
19 | best value for customers, there would be a significant

1 engagement and stakeholder process to really understand
2 the socioeconomic impacts and costs associated with that
3 decommissioning. There would be a significant impact on
4 the residents and properties along that hydro system, and
5 the evaluation of that would need to be a major engagement
6 process to understand those impacts.

7 **BY THE CHAIR:**

8 Q. I understand that, but I'm not
9 sure I got an answer to my question.

10 I was asking if the costs for the
11 three different options are going to be developed at the
12 same level. I think you recognized in the IR response,
13 and you recognized a little bit earlier that you can't
14 compare the options from a cost perspective if they're not
15 developed at the same level.

16 A. (Drover) In the case of the
17 Mersey, right now full decommissioning is shown to be a
18 lesser cost than partial decommissioning.

19 In the case of Tusket, depending on

1 | how the initial assessment comes out, if full
2 | decommissioning without the socioeconomic costs lands at
3 | the highest cost option, then we would need to determine
4 | whether we would need to go any farther to fully
5 | understand the socioeconomic costs at that time or not.

6 | If in the case that the full
7 | decommissioning costs were less than either partial
8 | decommissioning or refurbishment, then a much more
9 | extensive exercise would need to continue in order to
10 | understand the extent of those costs.

11 | Q. When you do that initial
12 | assessment you're going to compare the -- is your mic on?

13 | A. (Drover) Mine is.

14 | Q. Is my mic on? Does it work?

15 | Okay. When you do that initial
16 | assessment, you're going to compare the refurbishment
17 | costs which have, you know, been developed pretty well. I
18 | don't know what the class level might be. Maybe it's a
19 | two. I'm not sure.

1 The cost estimates for
2 decommissioning, at this point anyway, from the ones I've
3 seen, are at a Class 5. So in terms of accuracy
4 estimates, there's quite a bit of difference in the range
5 -- expected range of accuracy between those two levels of
6 estimate.

7 So if you're telling me that initial
8 assessment is going to be based on that kind of analysis,
9 it suggests that it's still not a fair comparison.

10 **A.** (Drover) I think we would have to
11 look at the sensitivity of the range of that class of
12 estimate and understand how that range is associated or
13 relative to the other two options. There are
14 decommissioning costs that are quite well developed with a
15 low range of uncertainty, and there are other
16 decommissioning costs that have a higher range of
17 uncertainty, for example, archeology, and also the
18 socioeconomic impacts.

19 However, if that Class 5 estimate with

1 the associated range is so significant that the range
2 falls outside of the range of the higher accuracy
3 estimates of partial decommissioning or of redevelopment,
4 then I believe you could compare those options.

5 MEMBER MURPHY: Okay. Thank you.

6 Those are all my questions, Mr. Chair.

7 THE CHAIR: Thank you, Mr. Murphy.

8 And actually just in time because it
9 appears your camera has frozen, but we'll leave that for
10 now.

11 I think the best course of action is
12 to move on at this stage to Ms. Nicholson and see what her
13 questions and then we'll see where we land after that as
14 to where we go from there.

15 [12:20:07] So Ms. Nicholson, do you have any
16 questions for the panel?

17 MEMBER NICHOLSON: I think I was
18 hearing your voice. Most of my questions have been asked

1 by Mr. Murphy so I don't think anyone will mind if I skip
2 at this point.

3 **THE CHAIR:** That's fine, Ms.
4 Nicholson.

5 I have some questions. I can probably
6 be done before 1:00. So would it be preference -- I think
7 we should probably just carry on, and I will proceed with
8 my questions unless somebody actually does need a quick
9 break right now and we can take a quick break.

10 **MS. POWER:** Mr. Chair, could I have a
11 very quick break?

12 **THE CHAIR:** Okay. Let's do 10. Might
13 as well do 10 because it's -- so let's come back at 12:30.

14 Keeping in mind, everyone, that, you
15 know, there's still going to be re-direct and then there's
16 going to be those of Mr. Wilson. We could break now if
17 people wanted to, but it's completely up to the ---

18 **MS. POWER:** Mr. Chair, I think it
19 makes sense to break for lunch now and then come back,

1 finish your questions and move on with Mr. Wilson, if
2 that's okay with everyone.

3 THE CHAIR: So break now and then --
4 yeah, let's do that. Let's do that.

5 So let's come back at 1:30.

6 --- Upon recessing at 12:21 p.m.

7 --- Upon resuming at 1:30 p.m.

8 DAVID ARTHUR PICKLES, Resumed:

9 TREVOR ARCHIE BEATON, Resumed:

10 LYNNE ANNE DROVER, Resumed:

11 JONATHAN ROSS CLARK MacINTOSH, Resumed:

12 CHARLENE DEEANNE (Sp?) MacMULLIN, Resumed:

13 ERIN CHRISTINE PEACHEY, Resumed:

14 THE CHAIR: Good afternoon, everyone.
15 We'll resume, and we'll resume with my questioning.

16

17

18

19

QUESTIONS FROM THE CHAIR

Q. So my first look will be at Exhibit N-6, and PDF 81. And it's about the D055 Planned Replacement of Deteriorated Equipment Routine. And we discussed -- this was discussed to some extent yesterday, with respect to how the routine is reviewed and how the cost is worked up.

But my first question relates, and I know there was a discussion about the 9 million -- \$9.3 million and the actual spend of \$21.9 million, but that you arrive at a \$15 million adjustment for this year. And so my first question is related to this IR-38(a), which indicates that the -- this 15 million is still an increase from forecast -- over the forecast for 20 -- for the previous year of 9.3. And so it says:

The increase in forecast spend for 2026 is primarily driven by incremental investment in system reliability initiatives. Spending within this routine is primarily allocated to targeted equipment replacement, including pole upgrades to larger, stronger poles. This increase in spending is aligned with the Five-Year Reliability Plan and is driven

1 by risk-based [assessment].

2

3

4 And you discussed yesterday the
5 process of risk-based assessment and how that's worked up.
6 My one clarification I was trying to -- wanted to ask was
7 how -- because I'm assuming for the risk-based assessment,
8 there is some field information that is available and that
9 has been used to make the assessments. How does that
10 information get transferred from the field to the people
11 making the investment decisions?

12 **A.** (MacMullin) Can I get you just to
13 clarify the question just briefly for me?

14 **Q.** Sure. My understanding from the
15 discussion yesterday was that when you're doing the risk-
16 based assessment, there is -- I mean, there are various
17 components that go into that, which presumably some would
18 be age and various factors, but is there not also a field-
19 driven observation type of information that would go into
20 that routine?

21 **A.** (MacMullin) Yes, that's correct.

1 So we have a feeder inspection program ---

2 Q. Yes.

3 A. (MacMullin) --- on the
4 distribution feeders and the transmission feeders, and so
5 that is, like, human beings with their eyes and their
6 expertise, and they assess the condition and they record
7 it and then that is directly fed into the assessment ---

8 Q. Right.

9 A. (MacMullin) --- of condition.

10 Q. And when is the plan formed? For
11 2026, when did you develop the plan for 2026?

12 A. (MacMullin) So it would be
13 developed in the preceding months of 2025. So we try to
14 have -- we try to make sure that we're reacting the most
15 recent data.

16 Q. Right.

17 A. (MacMullin) Yes.

18 Q. Okay. The discussion yesterday
19 also talked about the estimate is prepared for the ACE

1 Plan, and it talked about the risk-based assessment, that
2 process that we just described as being part of the
3 component, but there's also a historical component to how
4 you derive that estimate; is that correct?

5 A. (MacMullin) Absolutely.

6 Q. And why would there be a
7 historical component if you're trying to look at the asset
8 condition or what the risk is for the current -- for the
9 assets for the coming year, how does the historical
10 information assist with that?

11 A. (MacMullin) So in a couple of
12 ways. So certainly it would never be the only factor that
13 we would consider, but it is a factor. It does have some
14 information, in terms of how are the assets, those
15 particular assets, performing.

16 You know, as a specific example, if we
17 saw historically that we had some tie wrap issues, then
18 that would -- on a historical basis, then that would give
19 me an indication that perhaps going forward that, you

1 know, perhaps the -- perhaps the coastal nature or what
2 have you, or the winds, you know, maybe that would be an
3 opportunity to move to a clamp-top insulator, that tie
4 wraps aren't the right choice here. Like, so looking
5 historically how has the feeder performed informs the
6 future.

7 It's absolutely, though, in terms of
8 the lived experience of the customer from that feeder. If
9 historically there has been more outages, so if the
10 reliability is not where we want it to be on that feeder,
11 then that would be part of how work is considered and
12 prioritized. So certainly part of it is safety, part of
13 it is condition, part of it is historical on that -- eyes
14 on the ground, what did we actually see last year, all of
15 that.

16 Q. I thought perhaps the historical
17 version was the historical spend on that routine and
18 whether that factored into the estimate. And if it did,
19 what relevance would it have, what the historical spend

1 | would have on the future spend?

2 | (SHORT PAUSE)

3 | BY THE CHAIR:

4 | Q. And I may have misunderstood the
5 | response, so don't take that as how the thing is -- how
6 | it's actually prepared, but that's what I understood from
7 | the response.

8 | A. (Beaton) So in this routine,
9 | there's a planned portion and then a reactive portion,
10 | which we call bin work. And in this routine, we use the
11 | historical average spend for the bin work portion, but
12 | then there's detailed -- I don't have the page number in
13 | front of me -- within the routine backup.

14 | Right, on page 74 in Exhibit N-1,
15 | that's in the confidential version, mind you, so it might
16 | be slightly amended, there's a bin work portion that we
17 | apply the historical rate too. And then there's planned
18 | work that we would include based on all the evidence that
19 | Ms. MacMullin would have just explained that drives those

1 decisions.

2 Q. Okay, okay. Stronger poles.

3 THE CHAIR: Can you just go back to
4 the IR response? Just scroll back up to (a).

5 BY THE CHAIR:

6 Q. It discusses stronger poles, but
7 is stronger poles really a key driver of the increase in
8 costs?

9 A. (MacMullin) So the primary driver
10 of the increase in spend is the net increase in work that
11 includes things like a changing to stronger poles. There
12 definitely is an incremental cost increase to move to the
13 stronger pole class, but to your point, the larger driver
14 of the increase in cost in the routine is the overall
15 increase in the number of units of work that are being
16 completed.

17 Q. Okay. And if I put it to you
18 that this routine is becoming more related to upgrading
19 the system with a more robust infrastructure, rather than

1 | planned replacements of aging or deteriorated assets, what
2 | would you say to that?

3 | **A.** (MacMullin) I would say that this
4 | routine is absolutely about replacement of deteriorated
5 | assets, so certainly it makes sense and it is prudent that
6 | when we're replacing those assets that we are replacing
7 | them with, you know, what's available today.

8 | So the -- you know, so for instance,
9 | if we're replacing a pole, we're replacing it with what we
10 | know to be the right pole for the system today, which is
11 | an upgraded standard. If we're replacing an insulator and
12 | we're -- again, we're reflecting and learning how we're
13 | going to replace that insulator maybe with a clamp-top as
14 | opposed to a tie wrap.

15 | [1:39:47] **Q.** And that would apply to both
16 | planned and -- I guess they're all planned, but both
17 | reactive and historical types of -- or bin work, as it's
18 | described.

19 | **A.** (MacMullin) That's correct.

1 Q. If we can -- is there sort of a
2 reflexivity between D005, which is the planned, and the --
3 D055 which is planned and D005, which is the unplanned?
4 Is there reflexivity between the two? In other words, if
5 we do more planned replacements would you expect the
6 unplanned ones to go down?

7 A. (MacMullin) Yeah. Over the long
8 term, absolutely. So one of the outcomes that we would
9 expect to see longer term of this program is we would
10 expect to see D005 reduce.

11 Q. And would there be actually some
12 -- in D005, I'm thinking more, like, overtime labour and
13 that kind of stuff where the unplanned ones which replace
14 the same assets might generate more costs -- operational
15 costs as well?

16 A. (MacMullin) Yes, you're right.
17 So the reactive nature of the response to much of the work
18 in D005 would drive things like overtime and after-hours
19 responses, so those types of reductions would be inherent

1 | in that. So as we -- as we move away from more reactive
2 | events, over time that would decrease.

3 | Q. Okay. The same exhibit, I'm
4 | going to turn to D005, which I think the place to start,
5 | it's response to Board IR-31(a) and it's the top of PDF
6 | page 77.

7 | THE CHAIR: And here, we're talking
8 | about the -- if you can just go scroll just down a bit
9 | just to go to the -- what precedes that table.

10 | Sorry. The other way. Okay. Hold
11 | there.

12 | So it's talking about the outage
13 | events totaled as failed event by asset category.

14 | So if you can just go down to the
15 | table now again, Rob.

16 | BY THE CHAIR:

17 | Q. Okay. So when I look at these as
18 | broken down here, it looks like just over 82 percent is --
19 | 82 percent of the outages are driven by failures to fuses,

1 | conductors, transformers, connections and service assets.

2 | Does that seem about right to you?

3 | I mean, I just did the math by adding
4 | it all up and dividing it by -- numerator by denominator.

5 | **A.** (MacMullin) I trust your math.

6 | **Q.** Okay. And what asset category
7 | are poles classified? Is that structure?

8 | **A.** (MacMullin) That's correct.

9 | **Q.** Okay. What was striking about
10 | this IR response is that there is a decrease in outages --
11 | total outages from 2022 to 2025 associated with the
12 | routine. And I know there's some storm years in there and
13 | factors into the situation. But the point is the numbers
14 | -- number of events went down but the annual cost in part
15 | -- seems to be going up.

16 | **THE CHAIR:** I'm interested in part (b)
17 | of the response, if you just scroll down a little bit, for
18 | these particular assets.

19 | No. Just previous to that. Keep

1 going. Right there, (b). Went by it again.

2 Keep going. Next one. This one, this
3 table.

4 **BY THE CHAIR:**

5 Q. It just seems like the --
6 especially there seems to be a cost that's going up, the
7 actuals. Like, we started around 8,900. That's person
8 days. The costs are in the next one down from, let's say,
9 1915 in 2022 to 2455 in 2025.

10 And I'm just wondering; is what's
11 happening here is the actual cost per unit is going up as
12 opposed to the number of events you have to respond to?

13 Because you're going from about \$17
14 million to \$21.2 million or 25.1, the actual, but the
15 events have gone down?

16 A. (MacMullin) Yeah, there's several
17 factors in that.

18 So absolutely, you know, the
19 associated materials costs and the inflationary impacts of

1 | that are reflected in this routine. It's also -- there is
2 | also variability in terms of the costs associated with
3 | certain types of work. So not every pole replacement, not
4 | every replacement of a -- of a span of conductor would
5 | cost necessarily the same because of things -- to your
6 | point, whether or not it was done on overtime. You know,
7 | there's all sorts of mitigating factors that can lead to a
8 | particular reactive work to, you know, have a different
9 | variable in terms of the costs. So that would be
10 | reflected in this.

11 | One of the things that we are
12 | targeting in this program is we're really going after the
13 | things that -- you know, that will incrementally move the
14 | needle. You know, we're digging hard. That's a big
15 | challenge of the team and intent and focus of having a
16 | dedicated reliability team.

17 | And so when we're looking at these
18 | things, you know, we are looking at it with a lens in
19 | terms of, you know, if there's one insulator that's

1 failed, we're looking very closely at the ones around,
2 right? So like, you know, is there more to learn there?
3 Is this the right time to get those as well? And you
4 know, that is reflected in here.

5 So again, just a real reliability lens
6 in terms of how is this work being done.

7 Q. And aside -- I mean, aside from
8 the actual cost of the equipment, materials and labour,
9 there -- the location, what locations you're working in
10 might impact on that as well, as far as how long it takes
11 to do these projects?

12 A. (MacMullin) Yes, that's correct.

13 Q. Could we just hold on for one
14 second?

15 (SHORT PAUSE)

16 THE CHAIR: Never mind. My apologies.

17 BY THE CHAIR:

18 Q. Okay. I'm going to turn to
19 another topic, and it has to do with the completed

1 | transmission line replacement and upgrade projects. And
2 | the Board had given a directive that there be a list of
3 | the transmission line replacements and upgrade projects
4 | that have been approved since 2021 ACE Plan, and we
5 | received that. That's Appendix I to N-1. And it shows
6 | the associated costs for each line.

7 | And you also provided the original
8 | commission dates for the various lines, the number of
9 | structures refurbished, the average structures per
10 | kilometre and the estimated length in kilometres for each
11 | replacement project.

12 | So I can do the basic math and it
13 | tells me how much -- how much the cost per km is and how
14 | much the cost per structure is, but that doesn't help,
15 | necessarily, for me to determine the reasonableness of
16 | those costs if there's no benchmark to apply it against.

17 | And so I'm wondering if there is a
18 | benchmark for this type of work that I can apply -- that I
19 | can look at the cost per kilometre and tell whether or not

1 | that's a reasonable cost.

2 | A. (Beaton) So when completing this
3 | work under (inaudible due to mumbling) system, determining
4 | a cost per kilometre or using it as a benchmark, I should
5 | say, is quite difficult. The level of -- or the type of
6 | work varies from structure, obviously. In many cases, as
7 | part of these programs, we're replacing the entire
8 | structure. In many cases, we're not; we're just replacing
9 | components on that structure.

10 | The number of structures, the distance
11 | between each structure would obviously play a big factor
12 | in how much if you were to use a per kilometer rate so
13 | that would be a really difficult benchmark to use when
14 | comparing one project to the other.

15 | I think if we were to pursue a
16 | benchmark, you'd want to look at it from a unit
17 | perspective what the cost of a full structure -- if you're
18 | completing nine full structure replacements versus -- in
19 | one project versus six in the other, does that unit cost

1 | stay similar. It's always going to vary due to a
2 | multitude of variables. But a simple benchmark on a
3 | project like this that is always going to be replacing
4 | different levels and different types of assets or
5 | components in that asset, it does get difficult to compare
6 | from one project to the other.

7 | [1:50:09] **Q.** You know, we do assess appeals --
8 | or I do -- not all Members here do -- and we have -- when
9 | we're looking at replacement costs, we're looking at the
10 | swift standard modeling of -- you know, every station
11 | provides basically a benchmark for almost every component
12 | of a building. That doesn't exist in the transmission
13 | line field?

14 | **A.** (Beaton) It's not one we use
15 | today. Yeah. And sitting here, I would struggle to
16 | determine a really good comparable from one to the other
17 | that would be easily used or easily portrayed that would
18 | show some value in comparison.

19 | I guess it's important to providing

1 | comfort that this work is all done through a unit process
2 | that will be procured through our traditional line service
3 | agreement, so the costs generally scale quite consistently
4 | when you're increasing or decreasing the level or
5 | intensity of the work from a unit structure or asset
6 | component perspective.

7 | But yeah, today I wouldn't have a good
8 | proxy to use for a comparable from one project to the
9 | other.

10 | Q. Yeah. And I come across -- I
11 | just thought I'd ask while we're here.

12 | Okay. As far as the cycle, once this
13 | process has been completed -- because we're going back a
14 | number of years now, what's the cycle for going back to
15 | these lines to look at them again?

16 | A. (Beaton) So it wouldn't be a set
17 | cycle, by any stretch. This is all based on our newer
18 | components, our transmission line inspection program, the
19 | LIDAR data that we get -- that we fly on a certain cycle

1 basis that would tell us the condition of each one of
2 these asset components on -- across these structures. So
3 when we go back would be only determined on the condition
4 as found through these inspection processes.

5 Generally it's certainly a long period
6 of time. I think in most cases you're in probably 25 to
7 40 years that you'd be expecting to get out of these
8 investments. So there wouldn't be a set cycle. It would
9 continue to be based solely on condition.

10 Q. Okay. My next question relates
11 to -- we'll just go to Exhibit N-6, PDF 148. It's the
12 response to Board IR-59.

13 And again, this is a project for
14 subsequent submittal, and I don't go into the details of
15 this project. In fact, I thought I had perhaps missed it
16 when I saw certain submissions about this project, but it
17 is an item.

18 And when I looked at the 2025 ACE Plan
19 filing, it showed this project having a risk rating of 25.

1 And would I be right that 25 is pretty well the highest
2 risk rating you're going to have on some of these
3 projects?

4 A. (Beaton) It is, yes.

5 Q. Okay. And this is -- just for
6 the record, it's IT CI -- customer information system
7 replacement, and it's included as a subsequent submittal
8 item for the 2026 ACE Plan.

9 Is the project still on track for
10 submittal in 2026?

11 A. (Beaton) As of now, yes. Our
12 current intention is that it will get filed in some point
13 in Q4 of this year.

14 Q. Right.

15 **THE CHAIR:** Because there was -- in
16 the answer to the IR -- if you can just scroll down, Rob,
17 to the next page -- it talks about the various risks that
18 might cause a delay.

19 **BY THE CHAIR:**

1 Q. And I was just wondering if those
2 were -- you know, had already been -- are being addressed
3 or will be addressed to bring this product forward. And
4 the reason for the question is completely different than
5 submissions that were made. It has to do with the risk to
6 the system if this is not done.

7 And I'm just wondering what that risk
8 is if it's not done in a relatively short order.

9 A. (Beaton) So we certainly continue
10 to monitor that. Our current expectation is that it will
11 get filed later in the year. But as with all our
12 projects, we -- if there is risk present that needs to be
13 mitigated, such as the case is here, we often will
14 implement a non-capital solution to do it. So whether
15 that's changes in how we use the system or certain
16 controls we put around it, we continue to be very
17 confident we can manage the risks around this system until
18 we complete the replacement.

19 Q. Has the cyber incident impacted

1 on the ability to do the groundwork to get this project
2 filed?

3 **A.** (Beaton) It certainly was one of
4 the causes for us deferring the work in this project, the
5 development work. It was originally planned to be
6 completed in 2025 ahead of a late 2025 filing. We
7 prioritized the resources that were going to work on that
8 towards the cyber project -- or the cyber initiative.

9 So yes, it was certainly a cause of
10 the deferral. But again, going back to my first point,
11 we've been able to manage the risks associated with it to
12 keep the system operational until we complete this
13 replacement.

14 **Q.** Okay. My next question relates
15 to -- it's basically the project -- Exhibit N-6, PDF page
16 605, and it's Board IR-146. But it relates to the
17 intelligent asset data capture and integration platform.

18 I think this may be one of the first
19 projects that's been filed that's over \$1 million but that

1 has significant third-party funding that brings it well
2 below the \$1 million threshold. So it's how this was all
3 developed last year.

4 So the project total estimate cost is
5 \$10.3 million, but when you deduct government funding the
6 ratepayer cost is only \$268 million, roughly. But -- and
7 also in this response to IR-146(a), which I'll just kind
8 of scroll a little bit to the response, it talks about
9 there being -- there is currently no forecasted additional
10 operating or maintenance expense costs.

11 My question was, there was a reference
12 to 100 end user licences. Are end user licences part of
13 the \$10 million or are those purchased separately?

14 **A.** (Beaton) They're part of the
15 project costs we put forward.

16 **Q.** Okay. And do they have a term?
17 In other words, the question is if they're a renewal and
18 therefore a cost associated to renew them?

19 **A.** (Beaton) No, those licences are

1 fixed for the deployment of technology so there's no
2 interim.

3 Q. Okay. Once you have this
4 technology in place and you're using it as anticipated,
5 and you've described the various ways it can be used, do
6 you know the lifecycle? In other words, how long will
7 this technology be current and will it become obsolete so
8 fast that you're going to replace it fairly soon?

9 A. (Beaton) So the currentness of
10 them will likely vary on an asset basis. Certainly after
11 -- if we're looking at a photo that's five years old, we
12 would have to confirm that it's still in the current
13 state. So it will have an -- it won't be accurate for an
14 indefinite period of time. It's going to be recognized
15 that at some point in time if we want to continue having
16 access to this data we would have to look at it again to
17 see if it's worth the investment to update all of that
18 information.

19 But obviously, we're confident with

1 the significant federal funding that we were able to
2 procure for this to get this level of information for what
3 was a relatively low capital cost. We think there's great
4 value in that.

5 Q. Okay. I'm going to turn to the
6 Path to 2030. I know it's already been discussed. I just
7 have a few questions on it.

8 THE CHAIR: So we'll go, Rob, to N-1,
9 Appendix F, Figure 1 that we just had. That's the one.

10 BY THE CHAIR:

11 Q. We've already discussed your ECEI
12 synchronous condensers and you've described various
13 aspects of that.

14 My question is simply, leaving aside
15 the correspondence that we've received, how close to a
16 submission was that project or is that project at this
17 stage?

18 A. (Beaton) Yeah. As I mentioned
19 yesterday, we're in the midst of commercial negotiations

1 with various proponents, so I would expect that the filing
2 would happen in Q3, into Q4 potentially. So our plan was
3 to file in 2026.

4 Q. And I just want to make sure I
5 heard the answer correctly. There was a question about
6 the amount of money that had already been spent on the
7 capital project, and I thought you said it was around \$1
8 million. Is that correct?

9 [2:00:00] A. (Beaton) That's correct.

10 Q. Okay. All my other questions
11 were already asked yesterday on that particular project.

12 So turning to Figure 1, if I look
13 through the various, I'll call them, generation or energy
14 sources that are listed there, it seems to me that the
15 only ones that are -- leaving aside, you know -- but the
16 only ones that are listed on this page are the two
17 conversion -- coal plant conversion plans that are left
18 with Nova Scotia Power. Is that correct?

19 A. (Peachey) That's correct.

1 Q. Okay. And you've provided
2 updates on these two projects in the appendix and in IR
3 responses.

4 My question, and it's the same
5 question I've asked in different forums in a number of ACE
6 Plans, is if -- because -- am I right, am I not, that
7 these other procurements, these other wind programs, these
8 other sources of energy have to be in place before you can
9 actually do the coal conversion safely and reliably so
10 that you meet all the reliability standards, the NERC
11 standards, those types of things? Am I correct about
12 that?

13 A. (Pickles) It's a combined effort,
14 absolutely. Is your question specific to being off coal
15 or being 80 percent?

16 Q. Well, it's both because these are
17 coal conversion projects and, if they're started, they
18 have to be -- under the current legislation, they have to
19 be completed by end of 2030. And so my question is, if

1 all these -- if other projects are delayed, because a lot
2 of these projects have -- when you look at being able to
3 retail wind, when you look at the future procurement, when
4 you look at community solar, commercial net metering, you
5 have future procurement, even the Green Choice Program
6 says that 2028 date, but I have not heard yet about the
7 new procurement and how that's going.

8 A. (Pickles) Right.

9 Q. You're getting close to the 2030
10 period, so if any -- if some of these projects don't reach
11 operation by the 2029 period, can you still do the coal
12 conversions? In other words, safely do the coal
13 conversions and still have what you need for power?

14 A. (Pickles) Yeah. So you know, we
15 certainly want to be ready to be able to be off coal by
16 2030, which at this point we'll see the full conversion of
17 Lingan to oil and Point Tupper to natural gas. My
18 intention would be that we would still have the ability to
19 burn coal if we were so allowed to do so.

1 You know, our primary concern and
2 focus is to ensure there's adequate capacity on the
3 system. As the utility, we want to make sure the lights
4 stay on. So we would certainly not retire a unit or
5 inappropriately transfer to another fuel if we couldn't
6 meet our capacity needs.

7 Q. Sure. But I mean, under the
8 current legislative scheme, can you do that without
9 changing the scheme, the legislation scheme, and still
10 stay on coal after 2030?

11 A. (Pickles) No, we could not
12 without regulation change, but certainly having the
13 ability to fuel switch, we will be ready by 2030.

14 Q. Sure.

15 A. (Pickles) Yes.

16 Q. But if -- yeah. That's not so
17 much on your ability to fuel switch. My focus is on if --
18 well, I suppose if you could fuel switch that would help
19 at that stage, as long as the other projects were not

1 A. (Pickles) Right.

2 Q. --- in place. Okay.

3 A. (Pickles) Yeah.

4 Q. My real question is, there's a
5 considerable cost to doing the two coal conversions, and
6 as you know, I suspect, following the news, there have
7 been a lot of changes in the carbon world since the -- a
8 new Federal Government has been in place. And like, I
9 guess, has there been any discussions about -- or anything
10 that's taken place that would lead you to believe that the
11 2030 coal -- being off coal by 2030 is going to change?

12 A. (Pickles) We haven't been in
13 direct conversations with the Federal Government, but to
14 your point we know provinces like Alberta and Saskatchewan
15 are in active conversations around extending coal use
16 beyond 2030. I believe the Federal Government, their
17 intention is to apply a more global approach, so there
18 could be changes coming, but that's really outside of my
19 scope.

1 Q. Yeah. It's speculative at this
2 point.

3 A. (Pickles) Absolutely.
4 Absolutely.

5 Q. But, I mean, it would be a
6 difficult situation if you did a coal conversion ---

7 A. (Pickles) Right.

8 Q. --- and you didn't need it, is
9 what I'm trying to get at.

10 A. (Pickles) We -- and that's why we
11 slowed down and why we delayed, to some extent. We made
12 sure we will have adequate time to implement the
13 technology needed to make the change in time for 2030, but
14 certainly don't want to spend capital and have it
15 stranded.

16 Q. Right. You discussed yesterday
17 and answered some questions the collaboration is taking
18 place in a team with the IESO Nova Scotia. Have you
19 considered, for a future update to the Path to 2030, since

1 | most of these projects are not Nova Scotia Power projects,
2 | to perhaps having a joint panel, or asking the IESO if
3 | they want to join you on a panel to discuss the Path to
4 | 2030?

5 | I'm looking at the IESO people right
6 | now.

7 | A. (Pickles) That's a novel idea.
8 | Certainly I think, you know, the outcomes from the
9 | Integrated Resource Plan which they're actively working
10 | on, I think will help sort of paint a picture of the
11 | future. Not to say what you're suggesting couldn't
12 | happen, but I think that might help ---

13 | Q. Yeah.

14 | A. (Pickles) --- make that decision.

15 | Q. Okay.

16 | Okay, I'm going to turn to -- again,
17 | it's going to be an exhibit, N-6, which is one we were
18 | just at.

19 | THE CHAIR: And, Rob, I don't think I

1 put the page number on this one. So it's IR-182, Board
2 IR-182. Okay. And it's (a).

3 **BY THE CHAIR:**

4 Q. And the question was:

5 Given that the Plan is projected to cost
6 approximately \$1.3 [billion] over 5 years,
7 has NS Power calculated the impact on rates
8 the Plan will have?

9
10 And if we just go to the answer?

11 And this was explored to some extent,
12 I think, from some questioning from Ms. Rudderham for the
13 Industrial Group, but the answer is:

14 The increased investment [for '25, '26, and
15 '27] related to the... investment plan are
16 [all] included in the General Rate
17 Application currently before the NSEB in
18 matter M12451. The Five-Year Reliability
19 Plan is the investment amount required for
20 Nova Scotia Power to achieve Board-
21 established performance standards by 2029.

22
23 So my read on that answer is that the
24 performance standards are currently in place, they have to
25 be met, and, therefore, you have to do what is required to
26 meet those standards. And the impact on rates, the only

1 way you're considering that is through a GRA by having the
2 lowest -- least cost option to achieve what you're looking
3 for in those performance standards. Would that be the
4 approach that you're taking?

5 **A.** (Beaton) Correct. So it's true
6 that we would have went through an exercise to figure out
7 the least cost option to meet the performance standards in
8 2029.

9 This plan represents the work that is
10 required to do just that. All the work in here is related
11 to being done in the least cost method. So from a
12 granularity perspective, we consider affordability in that
13 respect. And then, from an overall planning perspective,
14 is this a reasonable amount to be investing we feel was
15 discussed at great length through the GRA process and
16 remains the best avenue to determine whether it's an
17 appropriate amount and to proceed as such.

18 **Q.** Right. And I suppose the GRA --
19 what's included in the GRA revenue requirement for '26 and

1 | 27, obviously, if the plan changed, the future GRAs would
2 | have to consider it as well?

3 | **A.** (Beaton) Certainly.

4 | **Q.** If -- well, I'll leave that
5 | aside. I'll ask it later or ask it in a different way. I
6 | had a question on that.

7 | Maybe turning to 182(b). And this
8 | question was about whether Nova Scotia Power had sought
9 | feedback from ratepayers about foregoing some of the
10 | improvements that we're discussing in the performance
11 | metrics in the Five-Year Reliability Plan to alleviate
12 | rate pressure, and we go to the response to (b). And this
13 | talks about what's been discussed previously as well.

14 | It talks about the ongoing review of
15 | the performance standards being in place from '27 to '31
16 | and NS Power expects that the appropriateness of the
17 | standards themselves would be discussed in further detail
18 | during the review. Customer representatives will have an
19 | opportunity to provide feedback about the appropriateness

1 of the standards, and the NSEB will be able to make the
2 final decision on this after this feedback is received.

3 So there is a review that's, I guess
4 -- has it started yet? I'm not involved in the five-year
5 review. I'm involved in the annual review this year.

6 **A.** (MacMullin) It has started.

7 [2:09:52] **Q.** Okay. And at this stage in the
8 process, has there been any suggestion by anyone that the
9 standards are going to be lessened as opposed to more
10 stringent?

11 **A.** (MacMullin) There has been no
12 indication to that effect at this time.

13 **Q.** And the current spending --
14 because right now, we're also having a review of the Five-
15 Year Reliability Plan being done by Synapse, which is
16 ongoing, and I guess just recently there was a slight
17 extension of time, so it looks like we're going to
18 September before that review will be done.

19 My question is, are we -- if we

1 | approve the 2026 ACE Plan, is that sort of a "No-regrets"
2 | approval? In other words, would that amount be needed, in
3 | any event, no matter what the review of the plan turns up?

4 | And why, if that's the case, because
5 | I'm assuming I know the answer to that, but from your
6 | perspective.

7 | **A.** (MacMullin) Absolutely confident
8 | in the plan that's put before you, that it is
9 | foundational, again, to the operation of the system.

10 | So you know, much of the plan is about
11 | sustaining the safe operation and the effective operation,
12 | the reliable operation of the power system. Those things
13 | are core to this. And then we have that incremental look
14 | ahead that's, again, investing in core elements of the
15 | system.

16 | So the things that we're doing here
17 | with cutting trees, replacing poles, upgrading conductor,
18 | things of that nature, these are not things that would not
19 | stand alone. So while they absolutely have a reliability

1 impact and benefit, they are still required and necessary
2 to sustain the system.

3 Q. So if I ask the -- when I ask the
4 question, given the ongoing review of the performance
5 standards and the review that's taking place by Synapse,
6 why wouldn't we just pause the implementation of this plan
7 until those reviews are done?

8 A. (MacMullin) And to clarify,
9 you're referring to the Five-Year Reliability Plan?

10 Q. Five-Year Reliability Plan.

11 A. (MacMullin) Yeah. So again, I
12 would point out that, you know, there's much of the plan
13 that is, again, addressing things such as load growth and,
14 again, the sustained, safe operation and reliable
15 operation of the power system. So that we are looking at
16 foundational investments, so these are things that are
17 based on and coming forth as a result of our feeder
18 inspection results, as a result of the look into the
19 criticality and the condition of the assets.

1 So while we certainly have, you know,
2 demonstrated the reliability benefit associated with them,
3 they are key foundational sustaining elements of running a
4 power -- an overhead power system.

5 Q. My final questions were on the
6 vegetation management aspect, but those were pretty well
7 covered in detail, so I don't have anything additional
8 there.

9 So those are all my questions for the
10 panel.

11 THE CHAIR: So at this stage that
12 completes the -- I guess the direction examination and
13 cross-examination and Board questioning, so we'll go back
14 around to see if there are any questions arising.

15 So we'll go in reverse order from what
16 we usually do.

17 So Mr. Mahody, anything arising from
18 Board questions?

19 MR. MAHODY: Nothing arising. Thank

1 | you.

2 | **THE CHAIR:** Okay. Just let me get my
3 | list out.

4 | Mr. -- I guess it would be -- Mr.
5 | Kayter would be next on the list if we go in reverse
6 | order.

7 | **MR. KAYTER:** Thank you, Chair.
8 | Nothing from the Minister.

9 | **THE CHAIR:** Okay. And from the -- I
10 | guess so Nova Scotia.

11 | **MR. LUTHER:** Thank you, Mr. Chair.
12 | Nothing from the IESO.

13 | **THE CHAIR:** And Port Hawkesbury Paper.

14 | **MS. GILLIS:** No questions, Mr. Chair.

15 | **THE CHAIR:** The Industrial Group.

16 | **MS. RUDDERHAM:** No additional
17 | questions, Mr. Chair. Thank you.

18 | **THE CHAIR:** Thank you.

19 | The Small Business Advocate.

1 MS. POWELL: No additional questions.

2 Thank you.

3 THE CHAIR: And the Consumer Advocate.

4 MR. MURPHY: Nothing arising.

5 Thank you.

6 THE CHAIR: And any re-direct from

7 Nova Scotia Power?

8 MS. POWER: No, thank you, Mr. Chair.

9 THE CHAIR: Thank you all.

10 So that completes the examination of
11 the panel. I thank you for your patience and your time
12 today and yesterday. I know it's a long haul when you're
13 on there for a day and a half.

14 And for Ms. MacMullin on your first
15 appearance, nobody took it easy on you, so -- but that's
16 to be expected in these type of proceedings.

17 So with that, you're released from the
18 panel and we'll move on to the next witness. So thank you
19 very much.

1 (WITNESS PANEL WITHDRAWS)

2 MR. MAHODY: And so Mr. Chair, I
3 understand up next would be Mr. Wilson. And my
4 understanding, based on discussion with counsel, is that
5 Mr. Kayter is the only counsel with cross-examination
6 questions for Mr. Wilson.

7 THE CHAIR: Okay. So maybe we can
8 take -- should we take five or 10 minutes to allow for
9 setup and then we can come back? So let's say 10 minutes
10 to make sure everybody has a chance and then we'll come
11 back to start with the -- I guess the presentation of the
12 evidence, acceptance of the evidence and then cross-
13 examination. Thank you.

14 --- Upon recessing at 2:15 p.m.

15 --- Upon resuming at 2:24 p.m.

16 THE CHAIR: Mr. Roberts, I'll just
17 start by swearing in Mr. Wilson and then you can go
18 through your presentation or your introduction and so
19 forth.

1 JOHN WILSON, Solemnly Affirmed:

2 THE CHAIR: Thank you.

3 Over to Mr. Roberts.

4 MR. ROBERTS: Thank you.

5 EXAMINATION ON QUALIFICATIONS BY MR. ROBERTS

6 Q. Good afternoon, Mr. Wilson.

7 A. Good afternoon, Mr. Roberts.

8 Nice to see you.

9 Q. You are a consultant with the
10 firm Grid Strategies?

11 A. Yes.

12 Q. And you've prepared evidence on
13 behalf of the Consumer Advocate in this matter which has
14 been received as Exhibit N-9?

15 A. Yes.

16 Q. And you've also assisted the
17 Consumer Advocate in preparing responses to information
18 requests from the Industry Group which are found at
19 Exhibit N-11.

1 A. Yes.

2 Q. I'm just going to ask you a few
3 questions about your background, Mr. Wilson.

4 As part of Exhibit N-9, you've
5 provided your *curriculum vitae* which contains an outline
6 of your professional history and experience, and we find
7 that beginning at page 29 of Exhibit N-9. Can you
8 identify that, Mr. Wilson?

9 A. Yes, that is my *curriculum vitae*.
10 Yes.

11 Q. Thank you.

12 And just briefly reviewing it, you
13 have provided evidence in the form of expert testimony
14 regarding utility regulation before a number of regulatory
15 bodies, including this Board?

16 A. That's correct.

17 Q. And you've given evidence, by my
18 count, in over 25 matters before this Board and its
19 predecessor on behalf of the Consumer Advocate regarding

1 | the regulation of electricity and gas utilities?

2 | **A.** That's correct.

3 | **Q.** And that included testimony
4 | regarding previous six Annual Capital Expenditure Plans
5 | which Nova Scotia Power submitted to the Board or its
6 | predecessor?

7 | **A.** Yes. I'm getting rather used to
8 | these proceedings.

9 | **Q.** Okay. Thank you.

10 | **MR. ROBERTS:** And with that in mind, I
11 | could go into Mr. Wilson's background in more detail, but
12 | I think he's well known to the Board that I'm going to ask
13 | that he be qualified at this time.

14 | **THE CHAIR:** Mr. Wilson has appeared
15 | before this Board many times, been qualified every time
16 | he's appeared. I am going to qualify him without even
17 | asking anybody because if anybody objects, I don't see a
18 | basis for doing so.

19 | So we're going to qualify Mr. Wilson

1 as an expert in this proceeding.

2 MR. ROBERTS: Thank you.

3 DIRECT EXAMINATION BY MR. ROBERTS

4 Q. And Mr. Wilson, then I'll ask you
5 to return to Exhibit N-9. First of all, if you could
6 confirm that you prepared this evidence yourself?

7 A. I did.

8 Q. And are there any corrections
9 that you wish to make to your evidence?

10 A. No.

11 Q. Okay. And are the facts on which
12 your evidence and opinions are based true and accurate to
13 the best of your knowledge and belief?

14 A. Yes, considering additional
15 testimony, of course, that's happened in this proceeding.

16 Q. Fair enough. And are the
17 opinions expressed in Exhibit N-9 your own?

18 A. Yes.

19 Q. And do you adopt Exhibit N-9 as

1 | your testimony in this proceeding?

2 | **A.** Yes.

3 | **Q.** Thank you.

4 | And since you prepared your testimony,
5 | Nova Scotia Power has filed rebuttal evidence, which has
6 | been received by the Board as Exhibit N-12. Have you
7 | reviewed Exhibit N-12?

8 | **A.** Yes.

9 | **Q.** And does the rebuttal evidence of
10 | Nova Scotia Power cause you to change your opinions or
11 | recommendations in any way?

12 | **A.** Generally, no.

13 | **Q.** All right. Thank you.

14 | **MR. ROBERTS:** At this point, I would
15 | propose that Mr. Wilson be available for cross-
16 | examination.

17 | **THE CHAIR:** Thank you, Mr. Roberts.

18 | And as I understand, it's been
19 | discussed prior to the break, or at least at the start of

1 | the session this afternoon, Mr. Kayter, from the
2 | Department of Energy Nova Scotia, is the only person with
3 | cross-examining questions. He'll be coming up to the
4 | cross-examination table.

5 | Please proceed, Mr. Kayter.

6 | MR. KAYTER: Thank you, Mr. Chair.

7 | To whom would I face for the cameras
8 | so that Mr. Wilson can see me straight on?

9 | THE CHAIR: Straight ahead. There's
10 | one right in front of you.

11 | MR. KAYTER: Thank you.
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CROSS-EXAMINATION BY MR. KAYTER

Q. Good afternoon, Mr. Wilson. I'm Thomas Kayter. I represent the Department of Energy. With me is Girish Patel, an engineer with the department.

I have some questions for you, but before I get into the questions I have written out, I want to pick up some answers that you gave to Mr. Roberts.

You were asked about Exhibit N-12 and your response as to whether or not your opinions would change on the basis of that exhibit was "generally, no". What did you mean by "generally, no", and is there any specific opinion that would change on the basis of that exhibit?

[2:29:57] A. Well, the -- so I think I made a total of -- let me check -- I believe 14 recommendations in my -- 13 recommendations plus two additional comments in my evidence, and I still stand behind each of those.

There were some factual comments in the rebuttal evidence and then also in the cross-

1 examination in particular yesterday that would sort of
2 change my opinion about the context in which those -- some
3 of those recommendations would be made, but they wouldn't
4 be material to the recommendations themselves. So that's
5 what I meant by generally.

6 I think, you know, new information
7 always is important and informs one's point of view.

8 Q. Speaking of new information, you
9 made reference indirectly to new information in one of
10 your answers to Mr. Roberts when he asked you if you stood
11 behind your opinions as generally outlined in Exhibit N-9.
12 And you added a caveat to your answer that basically said,
13 "Subject to the testimony in these hearings"; have you
14 been participating or following along?

15 A. In general, yes. I can't say
16 that I've attended every moment of the hearings, but I
17 have attended the vast majority.

18 Q. Okay. So have any of those
19 opinions changed, or do you want to change or provide any

1 additional opinion based on any of the evidence that you
2 heard here from the panel over the last two days?

3 **A.** Well, I guess I'd have to go
4 through the transcript to give you sort of a detailed and
5 probably rather tedious set of answers to that question.
6 But a good example that comes to mind is the forthcoming
7 undertaking -- I believe it was the very first undertaking
8 -- and that was regarding the definition of -- now I'm
9 blanking on the word. I apologize. Transactions and
10 labour hours in the measurements of the Maximus sales
11 force application, the work asset management program.

12 And you know, my understanding from
13 that conversation is that the number of labour hours is
14 something that is recorded for each capital program, and
15 so we'll be seeing more detail on that in the undertaking.
16 So subject to that undertaking and reviewing it, I imagine
17 that some of my thoughts around those topics that relate
18 to that would be provided in greater clarity, I guess
19 might be the best way to put it.

1 Q. You have told us that you heard
2 parts but not all of the panel's testimony over the past
3 two days. In your experience, which has been outlined
4 here today, which appears to be considerable testifying as
5 an expert witness in proceedings such as these, would it
6 be usual or unusual to be asked following these hearings
7 to provide further opinion based on any of the evidence
8 that was not contemplated or foreseen by any members of
9 that panel?

10 A. I believe on a couple of
11 occasions -- I'm not positive if it's occurred in an ACE
12 Plan proceeding or not. I have provided support for
13 filing undertakings. So I guess that would be a normal
14 process for the Board. But otherwise, I'm not really sure
15 what your question is getting at.

16 Q. Well, if there was an answer from
17 the panel that required some clarification as per your 13
18 comments in your report, would it be possible to have
19 further opinion from you based on the evidence of the

1 panel?

2 **A.** That's a procedural question that
3 I don't think I'm qualified to answer. I think I would
4 defer to my counsel as to the appropriate procedure for
5 further responses. I really don't know.

6 **Q.** But nothing that you've heard
7 here today changes any of your opinions that are contained
8 in your report, N-9?

9 **A.** Yeah. Particularly the
10 recommendations, yes. I mean, I think some of the wording
11 might change slightly based on additional facts or
12 clarifications that have come forward from the witnesses,
13 which is routinely the case. I don't consider that to be
14 unusual in this proceeding in any way.

15 **Q.** Thank you.

16 I'd like to refer you to PDF page 12
17 of Exhibit N-9, number 4, Contingency for Projects Without
18 Risk Matrices.

19 Mr. Wilson, in your evidence you

1 recommend reducing the default contingency from 15 percent
2 to 10 percent for projects without a risk matrix. Would
3 allowing a 15 percent blanket contingency across several
4 capital projects without specific risk justification
5 contribute to asset inflation concerns, and what is in
6 place to mitigate this?

7 **A.** Contribute to asset inflation?
8 I'm sorry; I lost the wording there.

9 **Q.** My question again is, would
10 allowing a 15 percent blanket contingency across several
11 capital projects without specific risk justification
12 contribute to asset inflation concerns, and what is in
13 place to mitigate this?

14 **A.** If by "asset inflation concerns"
15 you mean that increasing the contingency directly leads to
16 additional assets being placed in rate base, that's not a
17 direct result of that. If I can, maybe I can explain what
18 I think the advantages of setting the contingency level at
19 an appropriate level are, and then maybe there's a follow-

1 up question on that.

2 So setting the contingency level at 10
3 percent rather than 15 percent creates a couple of
4 benefits. First is that it creates a more appropriate
5 signal to the staff of Nova Scotia Power to control costs
6 and to keep the ultimate cost of the project down, which
7 would be placed in the rate base. So it's an indirect
8 effect on the, as you call it, asset inflation, but I
9 would just call it the amount that's put into rate base.

10 You know, as was discussed yesterday,
11 and I agree with the Nova Scotia Power witnesses, the cost
12 of the project is ultimately the cost, and if it's deemed
13 prudent, it goes into rate base. So whether the
14 contingency is 10 percent or 15 percent, the cost goes
15 into rate base.

16 The second effect is on the triggering
17 mechanism for the authorization to overspend proceedings.
18 And if the contingency is set too high, that creates, in a
19 sense, an artificially increased trigger for the ATO

1 proceeding. And in that case, the Board doesn't have, you
2 know, an automatic situation where the project would be
3 reviewed and the -- an understanding of why the project
4 went over budget developed and canvassed. And then there
5 would not be also, you know, as clear an opportunity to
6 determine whether those reasons were prudent or otherwise.

7 So to me, it is important that the
8 contingency level be set appropriately, again in summary,
9 just to sort of incentivize sort of in an informational or
10 kind of providing a target for the staff to keep the costs
11 low and then, secondly, to make sure that the appropriate
12 regulatory follow-up occurs given the facts of the case --
13 or excuse me, of the project as it was originally
14 proposed.

15 So I don't think it leads directly to
16 asset inflation, but it's certainly a factor in helping to
17 minimize costs, which then keeps the assets in rate base
18 to the minimal level possible.

19 Q. Thank you. You've answered our

1 | question.

2 | If I could move to the next question
3 | by referring you to PDF page 15 of Exhibit N-9. Number 5,
4 | Reliability Related Projects.

5 | The question is this. You've noted
6 | Nova Scotia Power's attribution of tree contacts during
7 | adverse weather is based on an imprecise 40 percent
8 | estimate. If the utility cannot accurately measure the
9 | cause of outages, how can the Board, the Department or
10 | consumers have confidence that the millions spent on
11 | reliability projects are targeting the right problems?

12 | And let me know if you need me to
13 | repeat that question.

14 | **A.** No, I follow it, I think.

15 | So yesterday I think we had a good
16 | discussion about where that 40 percent comes from, and
17 | there was the description of the snow-covered trees
18 | leaning down and touching the wire and then coming back up
19 | and -- so the staff were not able to identify -- Nova

1 Scotia Power's field staff were not able to sort of state
2 with certainty that it was a tree contact that caused the
3 outage versus, you know, some other cause. And so they
4 use this "approximate 40 percent". And I have a couple of
5 concerns with that.

6 One is that that estimate, you know,
7 which is up to 40 percent was the way it was phrased, and
8 was set back in 2019, I believe, hasn't changed over the
9 past seven years. And so we're having a lot of
10 investments to -- you know, to drive -- in vegetation
11 management to drive these kinds of tree contacts down, but
12 there's no way to sort of track whether that is having an
13 effect on these adverse weather-related tree contacts,
14 which is where this 40 percent number comes from.

15 [2:40:20] So it does raise concern for me that a
16 significant component of the benefit of the vegetation
17 management is very difficult for Nova Scotia Power to
18 track and for the Board then to understand that the
19 investment that it is supporting in this work is actually

1 to the benefit of Nova Scotia Power customers through
2 increased reliability during storm events.

3 So I think that's kind of a big
4 challenge for this program and I'd like to see Nova Scotia
5 Power look a little bit more deeply at a way to maybe come
6 up with an indicator, even if it's not a complete measure
7 of these tree contact outages during adverse weather and
8 add that to its Reliability Plan. That would be something
9 that I think would be really helpful.

10 But I don't -- you know, I don't think
11 everything is knowable about outage events. I think
12 that's an unfortunate reality of these programs. So I
13 want to both challenge Nova Scotia Power to do a little
14 bit better in this area, but also give them a little bit
15 of grace that it is not a situation where these facts are
16 knowable. And what's important in the moment, of course,
17 when those field staff are out there, is getting the power
18 back on, not in sort of stopping and conducting a forensic
19 investigation of the site.

1 Q. Mr. Wilson, is there anything
2 across industry that is happening that Nova Scotia Power
3 may not be doing? With particular reference to new
4 emerging technologies such as AI, for example, where,
5 across industry, they are using technologies to more -- I
6 mean, there's no crystal ball, obviously, but more
7 accurately attempt to map and predict weather-related
8 outages?

9 A. To map and predict.

10 If you're going to narrow your
11 question to that, I'm not aware of any technologies that
12 are being used in the industry to map and predict weather-
13 related ---

14 Q. Maybe I'll ask it more broadly,
15 then.

16 Is there anything across industry that
17 other related power companies are doing that Nova Scotia
18 Power is not doing in relation ---

19 A. I think there are things that

1 Nova Scotia Power is beginning to do. I think we've seen
2 a lot of improvement in their efforts over the past few
3 years.

4 You know, as we discussed, I've been
5 handling these proceedings for six or seven years now for
6 the Consumer Advocate and, at the beginning of my work on
7 these proceedings, cost minimization was a real important
8 focus of the Board, as it remains today. And a lot of the
9 initial recommendations and critiques took a couple of
10 years for Nova Scotia Power to embrace, and then gradually
11 we've seen improvements there. And so certainly in
12 certain aspects of Nova Scotia Power's overall operations,
13 I have testified that I've seen improvement. And in fact,
14 the Board has acknowledged that and has removed some of
15 the reporting requirements related to cost-minimization,
16 having been satisfied that improved practices were in
17 place.

18 There's aspects of Nova Scotia Power's
19 operations that I do not think have been fully

1 demonstrated to have achieved cost minimization. That's
2 why, in the last couple of years, we've been really
3 focused on these distribution routines and transmission
4 routines and the Reliability Plan.

5 And I'm really glad to see that the
6 third-party Reliability Plan review is under way. That's
7 a major reason why I focused a little bit less on that
8 topic in this year's evidence, although I did focus on
9 cost effectiveness measures, and that's an area where I
10 think Nova Scotia Power could improve.

11 I think that, you know, there's some
12 other aspects of the -- you know, I mean, there's a number
13 of areas where I think cost minimization could still be
14 pursued effectively with Nova Scotia Power, but I do want
15 to acknowledge that they've made significant improvements.

16 I'll give one other example, and then
17 I'll pause and see where I might not have fully answered
18 your question.

19 The Vegetation Management Program, you

1 know, we heard a lot about how much has been invested over
2 the past five to seven years, say, in that. And I share
3 the Board's concern that a lot of that has not proven to
4 be as effective as we hoped it would be.

5 I do think it's important to note that
6 the recommendations that were brought forward back in as
7 early as 2024 have been adopted by Nova Scotia Power to
8 look at trees outside of the right-of-way and otherwise
9 really kind of look more broadly at tree contacts. And I
10 think that, you know, we have yet to see evidence that
11 that practice, which really has only been underway a
12 little over a year, is having benefits yet, but I would
13 hope to see those benefits within the next year or two and
14 I look forward also to the third-party review of the
15 Reliability Plan to see what those experts' opinions are
16 of the new practices.

17 Q. Mr. Wilson, you've named two
18 aspects of Nova Scotia Power's operations that you said
19 you felt did not necessarily achieve cost minimization.

1 | Could you name any other areas where aspects of Nova
2 | Scotia Power's operations that you don't feel achieve
3 | this?

4 | **A.** Another area that I continue to
5 | have concerns with is the civil aspects of hydroelectric
6 | projects. We've had some discussion today, I think, about
7 | Tusket and Mitchell Falls -- or excuse me, Marshall Falls.
8 | So those are examples of projects that have gone over
9 | budget. Gaspereau is another one that has got some
10 | concerns.

11 | So I think kind of across the board,
12 | the civil-related hydroelectric work is one where I still
13 | put a lot of attention whenever I have the opportunity to
14 | review those projects because of the substantial cost
15 | overruns in those projects.

16 | **Q.** Thank you.

17 | **A.** That'd be another example.

18 | **Q.** Are there any other aspects that
19 | you can note?

1 A. Yeah. This is going a little bit
2 -- I don't believe I collected a list of those things for
3 this testimony so I'm doing this a bit from memory here.

4 I think there have been some
5 operational issues that have been canvassed in the FAM
6 proceeding that I've had concerns about. I wouldn't say
7 they are systemic. They're more evidence that a -- you
8 know, quality assurance and cost minimization practices
9 that are in place in a lot of those operations sort of
10 need to be ---

11 MS. POWER: Mr. Chair, I don't want to
12 interrupt Mr. Wilson's flow, but if we're talking about
13 matters that are in the realm of the FAM Audit, I don't
14 think it's relevant to the ACE proceeding.

15 THE CHAIR: Mr. Kayter.

16 MR. KAYTER: Yes, Mr. Chair. It's
17 relevant when the witness puts those issues into play as a
18 result of his previous answers to my questions.

19 He has raised the aspect of these --

1 | or the issue of these other aspects.

2 | **THE CHAIR:** The purpose of these
3 | cross-examinations, of pre-filing evidence and of dealing
4 | with evidence that's been pre-filed is that the expert
5 | opinions that are expressed are generally the ones that
6 | are presented before the Board in the written testimony.
7 | And the purpose of cross-examination is to either clarify
8 | or challenge the written evidence.

9 | Now we're straying into areas that
10 | were not addressed in the report, that I can recall. And
11 | so I realize that sometimes the answers go beyond perhaps
12 | what you were intending to ask, but there is a role --
13 | there is a fairness issue when it goes a little bit beyond
14 | what was the focus of Mr. Wilson's evidence.

15 | And this, Mr. Wilson, is in no way to
16 | discuss your evidence. You're answering the questions
17 | that were asked of you. But I think it's going a little
18 | further than what actually is in your report for the
19 | purposes of this hearing, so I think that we're probably

1 at the end of the line for that line of questioning.

2 MR. KAYTER: Yes, Mr. Chair. Thank
3 you. I'll move on.

4 BY MR. KAYTER:

5 Q. Mr. Wilson, as a follow-up
6 question to my initial question around adverse weather
7 estimates, without precise data is there a risk that the
8 utility's over-investing in certain areas, such as capital
9 -- like capital replacements while neglecting more cost-
10 effective solutions like targeted vegetation management?

11 A. Well, I think they're investing
12 quite a bit in targeted vegetation management. Let me
13 reflect on your question just...

14 I mean, I think there is -- I think
15 the concern that I have with the Reliability Plan and
16 which prompted our recommendation for a third-party review
17 was that a lot of the decisions that were made were sort
18 of reasonable up to a point.

19 Like for example, the right-of-way

1 widening and so forth, but -- were reasonable programs to
2 pursue, but whether these programs were balanced
3 correctly, whether the -- whether the investment
4 priorities were set correctly, whether the methods that
5 were being implemented were exactly the right methods or
6 whether there were other, better practices out there in
7 industry was something that, you know, we were not able to
8 develop in evidence and present to the Board. And so we
9 recommended, you know, a more thorough review and I think,
10 eventually, Nova Scotia Power concurred that such a review
11 would be helpful to it.

12 [2:50:28] And so that, I think, is where we're
13 at, is that there is a risk that we have not got the right
14 plan in place and that the plan is either unbalanced or
15 doesn't have the best practices in it. And I'm really
16 looking for the third-party review to help open up that
17 conversation.

18 It may not be the last word on that
19 conversation, but it -- I'm hoping that it at least opens

1 up the right discussion points.

2 **Q.** Thank you.

3 For my next question, I refer you to
4 PDF page 21 to 22 of Exhibit N-9, CEJC Updates, Scope
5 Change Definition.

6 Question: Your proposal for more
7 rigorous scope change definition aims to prevent projects
8 from evolving into more expansive -- expensive versions of
9 themselves post-approval. In your experience, does the
10 current lack of a strict scope change trigger allow the
11 utility to normalize cost overruns?

12 **A.** You know, it's interesting the
13 conversation today that I believe Member -- Board Member
14 Murphy brought up around IR-16 -- I'm checking my notes
15 here -- from the Board's IR set; I believe that's Exhibit
16 N-6 -- discussed the Tuskett Falls and Marshall Falls
17 Projects and pointed out, you know, the large cost
18 overruns in those projects.

19 I think that -- I think that, you

1 know, there are ATO proceedings, at least, I'm certain,
2 for Tuskett Falls. The challenge there is that that ATO
3 proceeding, a lot of evidence was developed in that
4 proceeding and then they withdrew that or suspended that
5 application in order to conduct further planning.

6 And the reason that I suggested a cost
7 threshold, in addition to the language that Nova Scotia
8 Power puts forward, is I feel like for projects like
9 Tuskett Falls and perhaps Marshall Falls that there needs
10 to be process where, when there's such a large change,
11 that the Board has an immediate and clear opportunity to
12 reconsider whether the project was appropriately scoped in
13 the first place.

14 And so in that case, Nova Scotia Power
15 is not proposing a change that -- in the project and I
16 think, you know, they've testified that the Tuskett Falls
17 case would not meet their scope change threshold, but I
18 feel like -- you know, looking back at that project and
19 the testimony in that case, I feel like a scope change

1 proceeding would have been appropriate at that point as a
2 good example of one where the magnitude of the change in
3 the project was so large that, you know, decommissioning
4 or partial decommissioning should have been fully
5 reconsidered and put before the Board in a full case.

6 So I do think there are cases where
7 scope change can be just the magnitude and challenge of
8 the project and not simply a change in what the type of
9 project is that Nova Scotia Power now wishes to pursue
10 might be.

11 So that's kind of what I'm getting at
12 there.

13 And I think there's other examples. I
14 think there's several IRs in the Board's IR set in Exhibit
15 N-6 that go through sort of what are the projects that are
16 currently before the Board that would trigger ATOs, and so
17 I think the Board might look at those projects and think
18 about which of those kind of represents scope changes and
19 which of those represent more just incremental cost

1 | overruns and see if there's sort of a dividing line that
2 | would be helpful in identifying projects that should be
3 | brought forward for reconsideration in order to ensure
4 | that excessive spending doesn't move forward without Board
5 | oversight.

6 | **Q.** Thank you.

7 | My next question, I'll refer you to N-
8 | 9, page 6. You note that Nova Scotia Power does not track
9 | regular and overtime person hours for several capital
10 | routines. In your opinion, does this lack of visibility
11 | contribute to an unchecked increase in the cost per new
12 | customer for distribution work?

13 | **A.** Yeah. So the premise of your
14 | question, I think, is one of the things I referred to
15 | earlier, which is that the Nova Scotia Power panel
16 | identified that they do track hours for -- to the capital
17 | routines. So that was different than what they stated in
18 | the IR response that I relied on in my testimony.

19 | The second part of your question,

1 | though, was sort of does the lack of visibility -- and
2 | I've forgotten about exactly how you phrased it, but
3 | basically does this lead to higher costs, I think, was
4 | kind of the gist of your question. Is that right?

5 | **Q.** Yes. In your expert opinion,
6 | does this lack of visibility contribute to an unchecked
7 | increase in the cost per new customer for distribution
8 | work?

9 | **A.** Yeah. So the cost per new
10 | customer would refer specifically to the new customer
11 | distribution routine. And I think the concern I have is
12 | the work asset management program, the Maximo/Salesforce
13 | software, is not being used to its full capability to
14 | manage those costs and to see if costs for new customer
15 | routines or, really, for a number of the distribution
16 | routines are minimized.

17 | So for example, assuming that this
18 | transactions per hour metric is kind of what I think it
19 | is, one could look at that year over year for the new

1 | distribution -- excuse me, for the new customer
2 | distribution routine and see if that number is trending
3 | downwards. And one would hope that sort of work would
4 | become more efficient as scheduling practices are
5 | improved.

6 | And I know that the panel explained
7 | why they were opposed to simply using the basis of
8 | schedule method from the PDM in distribution routines, but
9 | some kind of scheduling practice that sort of looks at,
10 | geographically, where do we need to position crews, where
11 | can we move them around more efficiently, et cetera, would
12 | be helpful to reducing costs.

13 | And I'll give an example from the
14 | industry, which is distributed solar. And I've seen some
15 | papers and heard some interviews with experts that talk
16 | about how inexpensive distributed solar installation is in
17 | Australia compared to other markets in the world. And one
18 | of the reasons is, is they have a very simplified
19 | permitting process, but also the installers use very

1 aggressive scheduling methods in order to make sure that
2 their crews go out only to a single neighbourhood and
3 complete all of the available work in that neighbourhood
4 before moving on to the next.

5 So you know, if one of us lived in
6 Australia and wanted to put solar on our house, we might
7 have to wait several weeks for our neighbourhood to come
8 up in the queue and get the installation done, but then
9 it's done very quickly and efficiently, and then the crew
10 moves on to the next installation.

11 And I think the same thing could be
12 true for a number of the distribution routines, is that
13 this work asset management software could be used not only
14 to make sure that all of the projects are handled, but
15 rather than sort of using what I imagine may be a first-
16 in/first-out system of handling those assignments, using
17 more geographic or assigning particular crews to
18 particular projects based on their special expertise, et
19 cetera.

1 So those would be the kind of things
2 that some kind of a transactions per hour metric at the
3 capital program level might be able to help track and see
4 that cost improvements are being achieved.

5 **Q.** Mr. Wilson, based on your
6 experience in different jurisdictions, how does the
7 average cost per customer in Nova Scotia compare with
8 other Canadian jurisdictions?

9 **A.** I don't have that information.

10 **Q.** You've made several suggestions
11 regarding efficiency improvement. What impact does the
12 lack of efficiency on the utility and tracking actual
13 labour hours required for a project have on determining
14 how just and reasonable the ACE Plan is?

15 **MS. POWER:** Excuse me, Mr. Chair. I'm
16 just -- I'm not sure these questions are entirely fair to
17 Mr. Wilson or that Mr. Wilson is qualified to give a
18 position on questions like this.

19 He's not here to speak to his

1 | experience in all these different jurisdictions. We're
2 | here to speak about the ACE Plan in his evidence. Could
3 | we please keep it squarely within that?

4 | THE CHAIR: Mr. Kayter?

5 | MR. KAYTER: Mr. Chair, I thank my
6 | friend for her objection, but I believe the witness is
7 | that of Mr. Roberts. And I hear her objection, but Mr.
8 | Roberts has brought Mr. Wilson as the expert witness for
9 | the proceedings and, you know, I have obviously spoken
10 | with Mr. Roberts about what my intended questions would be
11 | and given him a sense of where we were going here. So
12 | perhaps we'd hear from Mr. Roberts if he has an objection
13 | and we can take it from Mr. Roberts.

14 | [3:00:23] THE CHAIR: I will hear from Mr.
15 | Roberts, but then I'll hear reply from Ms. Power.

16 | So Mr. Roberts, do you have any
17 | comments on this?

18 | MR. ROBERTS: I really don't. I mean,
19 | if it's -- obviously, Mr. Wilson was not comfortable

1 | answering the last question that was put to him and said
2 | so squarely. Within the confines of relevance, if he
3 | wants to answer, I don't know why he can't, but I also
4 | hear my friend in terms of the scope of his testimony as
5 | it's presented in his report.

6 | **THE CHAIR:** Ms. Power?

7 | **MS. POWER:** Yes. And I respect and
8 | accept that these questions were put to Mr. Wilson or the
9 | CA in advance, but Mr. Wilson was retained for a specific
10 | purpose with a specific subset of questions to provide
11 | evidence in this proceeding, and his testimony should
12 | stick to the evidence that he's provided.

13 | **THE CHAIR:** Mr. Kayter, could you just
14 | repeat the question again? Now that I've heard the
15 | objection, I'll see what the ---

16 | **MR. KAYTER:** If I could just have a
17 | moment?

18 | Mr. Chair, Mr. Wilson has referred to
19 | efficiency improvement measures in his report, and it is

1 | our position that this question pertains to efficiency
2 | improvement. Again, my question is this: You've made
3 | several suggestions regarding efficiency improvement.
4 | What impact does the lack of efficiency of the utility in
5 | tracking actual labour hours -- this is in his report --
6 | required for a project have on determining what is
7 | effectively the ultimate question for the Board?

8 | I mean, I don't know how that is
9 | objectionable. It is based on his report and the ultimate
10 | question before the Board, which is the justness and
11 | reasonableness of this entire ACE Plan.

12 | **THE CHAIR:** I -- well, I'll hear Mr.
13 | Wilson's response to that. That is something that's tied
14 | to the report and that he may or may not be able to
15 | address.

16 | So Mr. Wilson.

17 | **MR. WILSON:** Yes. So again, the
18 | premise of the question is the utility doesn't track
19 | actual labour hours to the project, I believe. And I

1 think on an earlier question I pointed out that that was a
2 Nova Scotia Power staff during -- I think the usefulness
3 of that information is in identifying whether Nova Scotia
4 Power's work on these distribution routines in particular
5 is efficient in achieving full cost minimization.

6 And I don't think that, you know, I
7 would argue for any kind of finding of imprudence in the
8 current proposal. Based on that information, I think this
9 is very similar to the work that the Board has done over
10 the past few years in encouraging Nova Scotia Power to
11 develop new cost minimization strategies across its
12 capital program. And this is simply one of the areas
13 where the cost minimization practices that the Board has
14 developed don't really apply.

15 The PDM, the project development or
16 delivery model, doesn't really apply very well or much at
17 all to most of the distribution and transmission routines
18 and so, because of that, we need to find other ways to
19 track and verify that the utility is looking at risks,

1 | looking at scheduling, looking at overall optimization of
2 | costs, and finding metrics that help indicate where it's
3 | being successful or where it may need to work harder to
4 | achieve the best cost for customers.

5 | So I think it's really more of a
6 | forward-looking, rather than a backward-looking, critique.

7 | **BY MR. KAYTER:**

8 | Q. Mr. Wilson, in response to two of
9 | my questions now you have referred to a change in your
10 | opinion from your report because of evidence that you've
11 | heard from the panel.

12 | Now, I began asking questions about
13 | how, if at all, any of your opinions would have changed as
14 | a consequence of having heard from the panel. I noted,
15 | and forgive me if I didn't capture everything, that as a
16 | result of some of the -- I think it was the Industrial
17 | Group's IRs, your opinion about the steps taken to avoid
18 | duplication in cost had changed.

19 | Are there any other areas that I may

1 not have -- and forgive me; it may just have been my
2 inability to note quickly enough your response, but if I
3 could just go back again, having heard from the panel,
4 how, if at all, have any of your opinions changed from
5 that -- those contained in N-9?

6 **A.** If I can have just a moment, I'll
7 look through the recommendations and see if there's
8 anything else that comes to mind.

9 **Q.** Thank you.

10 **(SHORT PAUSE)**

11 **MR. WILSON:** I can confirm that I
12 think the recommendations as summarized on pages 3 and 4
13 of my testimony is enumerated on the page themselves, are
14 still my recommendations exactly as written.

15 The conversation we had throughout
16 this testimony about the labour hours directly relates to
17 my reasoning for making recommendations 1 through 3. And
18 in my opinion, the evidence that has come forward
19 strengthens the rationale that those recommendations are

1 both practical and could be of benefit to Nova Scotia
2 Power in minimizing costs.

3 I think the other area where I've
4 heard testimony that helps sort of fill in some of the
5 dots has been on my recommendations 8 -- yeah,
6 recommendation 8 relating to the tree contacts issue. And
7 again, I would say there it just strengthens my view that
8 the Board, you know, and I think has appropriately
9 highlighted during this proceeding its concerns about the
10 effectiveness of the Vegetation Management Program and
11 other related Reliability Plan programs and I would assume
12 that the -- you know, some representatives of the team
13 responsible for conducting the third-party review of the
14 Five-Year Reliability Plan are monitoring this proceeding
15 and are taking note of points being made by Commissioner
16 -- by Board Members and other parties in this proceeding.

17 So, you know, I think I'm satisfied
18 that my recommendations, you know, stand and should be
19 adopted by the Board, given its consideration and sort of,

1 in some cases, I left some points, you know, sort of to
2 the Board's discretion and others that I made more
3 concretely.

4 **BY MR. KAYTER:**

5 Q. Thank you, Mr. Wilson.

6 Two questions anticipated to
7 conclusion.

8 How do escalations observed in the
9 2026 ACE Plan compare to...

10 [3:10:04] **MR. KAYTER:** Mr. Chair, I'm just going
11 to -- I'm going to retract that question, and I have to
12 rephrase that.

13 **THE CHAIR:** Sure.

14 **BY MR. KAYTER:**

15 Q. Mr. Wilson, can you say what
16 level of escalations are generally acceptable? Are there
17 benchmarks or standards?

18 A. Can you explain what you mean by
19 the word "escalations"?

1 **Q.** In particular in relation to
2 project costs.

3 **A.** You mean -- so for example,
4 whether a project cost goes over budget, a specific
5 project?

6 **Q.** Yes.

7 **A.** So for a specific project, the --
8 you know, I'm generally supportive of the Board's overall
9 policies on cost overruns. There is a -- there are non-
10 binding contingency guidelines. You know, as noted in my
11 testimony, I've got a recommendation related to
12 transmission projects that don't have risk matrices and
13 recommending that the Board sort of set a default or cap
14 or however the Board wishes to phrase it, 10 percent
15 contingency amount, on those projects.

16 But in general, I think the non-
17 binding contingency guidelines have been worked out
18 effectively and Nova Scotia Power's generally following
19 those. So that's one mechanism for determining what level

1 is reasonable for a project, is simply that it should
2 ideally stay within the cost escalation boundaries that
3 are set by the contingency approved by the Board when the
4 project is approved.

5 Then I think the second aspect of that
6 is when it goes over that contingency, there's the
7 potential for an ATO proceeding to review that and
8 determine whether that cost is reasonable.

9 And then, of course, the third
10 opportunity is during a general rate case if there has not
11 been an ATO proceeding but there is a concern that the
12 rate base is too high because of cost overruns that were
13 not just and reasonable or justified, or whatever phrasing
14 we might want to apply in that circumstance, then that
15 would be sort of a third avenue for it.

16 So I don't think you can sort of say
17 that there's a single percent that one can say is the
18 amount of cost escalation for a specific approved capital
19 project that can be expected to be reasonable and then,

1 | above that, it's unreasonable. It's really on a project-
2 | by-project basis and also one of the reasons for that cost
3 | overrun.

4 | Does that help?

5 | **Q.** Yes, it does, Mr. Wilson.

6 | Further to that, though, are there any
7 | undeployed cost containment measures that the Board could
8 | use to mandate -- the Board could mandate to mitigate
9 | overruns?

10 | **A.** Well, I think there's the
11 | recommendations that I've put forward in my testimony.
12 | I'm happy to go through those, but those are written out.
13 | So that would be the main area.

14 | And then as I discussed, you know,
15 | really looking forward to the third-party review of the
16 | Five-Year Reliability Plan to develop additional
17 | recommendations.

18 | And I think there's a number of
19 | capital projects that are underway that I think will lead

1 | to cost minimization opportunities. These are mainly in
2 | the IT space, so there's the -- you know, and some of
3 | these go beyond the scope of the ACE Plan in their
4 | implementation, but they are approved in the ACE Plan
5 | proceeding.

6 | So for example, the Work Asset
7 | Management Program, I think there's more potential for it
8 | to have success. There are some grid-enhancing technology
9 | initial steps that are being put in place. I think those
10 | are going to be important opportunities to minimize costs
11 | in transmission expansion and overall reduce congestion
12 | loads on the system.

13 | I think the -- you know, some of the
14 | projects that have been identified through the IRP and
15 | subsequent planning processes are really important to
16 | making sure that we get the most and highest use out of
17 | generation assets, so that would be the synchronous
18 | condensers or, you know, whatever solution is approved in
19 | the forthcoming proceeding on that topic. So you've got a

1 | lot of technology up there that Nova Scotia Power is in
2 | the process of implementing that I think may help mitigate
3 | ongoing costs and also may help avoid unnecessary projects
4 | or unnecessarily expensive projects. But, you know, I
5 | think we've already discussed areas where I continue to
6 | have concerns such as the hydro -- civil hydroelectric
7 | projects and the way that those are being managed and the
8 | cost implications of those on customers. And I did have a
9 | discussion of the Mersey Hydro Project in my testimony as
10 | well.

11 | **Q.** Mr. Wilson, are any of those,
12 | either that you referenced or that you haven't referenced,
13 | directly related to increasing costs due to third-party
14 | vendors or supply chain issues?

15 | **A.** I mean, third-party vendor and
16 | supply chain issues are an issue in every jurisdiction
17 | that I'm working in right now. So, yes, I think costs are
18 | going up as a result of those issues. I do have a
19 | recommendation in my testimony or my evidence regarding

1 the use of pooling practices for advanced procurement of
2 key infrastructure and potentially with some cost-
3 effectiveness opportunities. You know, that would be an
4 example of a supply chain -- not a complete solution but
5 at least a mitigation to those issues. But in the end, a
6 lot of the supply chain cost increases are being driven by
7 underlying raw material cost increases and so it's really
8 challenging to sort of solve that problem from a single
9 utility's point of view. It kind of requires more of an
10 industry-wide approach.

11 Q. In this case, would that be like
12 New Brunswick, PEI, Newfoundland, their utilities pooling
13 ---

14 A. Yes.

15 Q. Yeah. Okay.

16 A. Yeah, pooling -- very specific
17 Proponents, you know, that they all use in common. And I
18 know that there is a degree of common procurement
19 practices. I have some of that discussed in my testimony,

1 | but I can't recall the details of that to mind
2 | immediately. But, you know, the idea being that, you
3 | know, there's an expectation that each utility, say, is
4 | going to need a certain kind of circuit breaker, maybe two
5 | or three per year, but sometimes it's zero, and sometimes
6 | it's more like five or six, and the idea being that rather
7 | than sort of waiting until you need them to procure them,
8 | you procure them in advance, you get more advantageous
9 | pricing in that way, but then they're sort of stored by
10 | one of the member utilities in the pool, and then they
11 | draw from that pool as they need them.

12 | So it's a cost-minimization strategy
13 | but it requires collaboration, and it really requires a
14 | lot of expertise also in terms of planning that, because
15 | what you don't want to do is have an excessively large
16 | inventory sitting around that's not drawn on efficiently.
17 | So that's a challenge there is that you have to have that
18 | kind of planning expertise that spans multiple utilities,
19 | and that, you know, takes some time to develop.

1 Q. Mr. Wilson, thank you for
2 answering our questions today.

3 MR. KAYTER: Mr. Chair and Members of
4 the Board, those are the questions from the Department of
5 Energy, may it please the Board.

6 THE CHAIR: Thank you, Mr. Kayter.

7 MR. KAYTER: If we could be excused?

8 THE CHAIR: Yes.

9 MR. KAYTER: Thank you.

10 THE CHAIR: At this stage I will ask
11 Board Members if there's any questions arising from -- or
12 questions for Mr. Wilson.

13 So Ms. Nicholson?

14 MEMBER NICHOLSON: Nothing from me.

15 Thank you.

16 THE CHAIR: And Mr. Murphy?

17 MEMBER MURPHY: None from me, Mr.

18 Chair.

19 THE CHAIR: And I do not either.

1 So I'll go back around in reverse
2 order to come to Mr. Roberts.

3 So, Mr. Mahody, any questions arise
4 from his cross-examination?

5 MR. MAHODY: No, Mr. Chair.

6 Thank you.

7 [3:20:01] THE CHAIR: Well, I guess Mr. Peachey
8 for the IESO?

9 MR. PEACHEY: No questions, Mr. Chair.

10 THE CHAIR: Okay. Port Hawkesbury
11 Paper?

12 MS. GILLIS: No questions.

13 Thank you.

14 THE CHAIR: For the Industrial Group?

15 MS. RUDDERHAM: No additional
16 questions. But I did want to flag that I don't believe
17 Mr. Wilson adopted N-11, which would have been responses
18 to the IG IRs. I don't know if that was something that we
19 wanted to do or not.

1 **THE CHAIR:** We can do it at the end,
2 if that's the case. I just can't remember. But Mr.
3 Roberts perhaps you can do that when we come back. It
4 might be the easiest way to do it.

5 So the Small Business Advocate?

6 **MS. POWELL:** No questions arising.

7 Thank you, Mr. Chair.

8 **THE CHAIR:** And Nova Scotia Power?

9 **MS. POWER:** No, thank you, Mr. Chair.

10 **THE CHAIR:** So, Mr. Roberts, any re-
11 direct?

12 And perhaps -- I just can't remember
13 if N-11 is adopted.

14 **MR. ROBERTS:** No re-direct.

15 And I would just say that N-11 is
16 actually the responses of the Consumer Advocate. The
17 question which Mr. Wilson confirmed was that he assisted
18 us in doing that. But they're actually evidence presented
19 by the Consumer Advocate.

1 **THE CHAIR:** Okay. Okay, thanks.

2 So I believe that completes the
3 testimony. Mr. Wilson, the Board thanks you for
4 attendance today and you're excused from the witness stand
5 or your witness chair where you are now.

6 Thank you.

7 **(WITNESS WITHDRAWS)**

8 **THE CHAIR:** Okay. So that --
9 actually, well, I'll just confirm to make sure if there's
10 any rebuttal evidence from Nova Scotia Power.

11 **MS. POWER:** No, thank you, Mr. Chair.

12 **THE CHAIR:** Okay. So that completes
13 the evidence.

14 So we have to discuss the undertakings
15 and then submissions. So for undertakings how long would
16 you expect Nova Scotia Power to have the undertakings
17 ready?

18 **MS. POWER:** I would like two weeks,
19 Mr. Chair, which brings us to May the 6th.

1 **THE CHAIR:** May the 6th. Okay.

2 **MS. POWER:** But I might take a minute
3 to speak to my friends about the rest of the schedule if
4 that's okay.

5 **THE CHAIR:** Sure. Let's just -- we're
6 going to stay here but maybe break and discuss it.

7 --- Upon recessing at 3:24 p.m.

8 --- Upon resuming at 3:25 p.m.

9 **THE CHAIR:** Go ahead, Ms. Power.

10 **MS. POWER:** Thank you, Mr. Chair.

11 So we've confirmed a May 6th date for
12 answers to undertakings, a Friday, May 29th date for all to
13 close, and a reply to closing date of June 5th.

14 **THE CHAIR:** Okay. So I've got May 6th
15 for undertakings, Friday, May 29th for all closing
16 submissions to be filed at the same time, and then all
17 parties can file rebuttals by June 5th. That sounds
18 reasonable to me.

19 Hearing no other comments on that, we

1 will set those down and we'll send out a letter to that
2 effect for the closing submissions. And then as usual,
3 we'll try and get our decision out as soon as possible.

4 What we have done in the past two
5 years, because we are dealing with an annual ACE Plan and
6 we have submissions on June 5th, which makes it -- you
7 know, half the year is already gone, so we -- those
8 projects that the Panel can agree upon, if they have
9 approvals, would be listed in an Order, and if not, then
10 they'll have to wait for the decision to get that out.

11 So we'll do as best we can to get a
12 decision as quickly as possible.

13 So with that, we will adjourn the
14 hearing. I thank all the parties for their participation
15 and for their assistance, and we'll adjourn.

16 Thank you.

17

18 --- Upon adjourning at 3:27 p.m.

19

CERTIFICATE OF COURT TRANSCRIBER

I, Patricia Cantle, hereby certify
that I have transcribed the foregoing, and it is a true
and accurate transcript of the evidence given in this
matter, M12619.



Patricia Cantle
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Halifax, Nova Scotia
Wednesday, April 22, 2026