



“When You Talk - We Listen!”



MANITOBA PUBLIC UTILITIES BOARD

re:

MANITOBA HYDRO

2023/24 and 2024/25

GENERAL RATE APPLICATION

Hearing

Before Board Panel:

Robert Gabor, KC - Board Chairperson

Marilyn Kapitany - Board Vice Chair

Carol Bellringer - Board Member

Hamath Sy - Board Member

George Bass, KC - Board Member

HELD AT:

Public Utilities Board

400, 330 Portage Avenue

Winnipeg, Manitoba

June 5th, 2023

Pages 2999 to 3273

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1 --- Upon commencing at 9:03 a.m.

2

3 THE CHAIRPERSON: Good morning,
4 everyone. I hope you all had a lovely weekend. We
5 are here for an exciting day of depreciation, and I'm
6 going to turn it over to Mr. Hombach.

7 MR. SVEN HOMBACH: Thank you, Mr.
8 Chair, and thank you for building up the excitement
9 early on in the process.

10 Today is the beginning of week 3 of the
11 hearing, and it might be the last week of oral
12 evidence. And the process to be followed today is a
13 bit different from what we've encountered so far.

14 The subject today is depreciation, and
15 the evidence is being presented by way of concurrent
16 evidence, which means a joint witness panel of several
17 independent experts.

18 That process was established by the
19 Board in its fourth procedural Order which is Order
20 42/'23, where it held that depreciation-related
21 evidence is to be delivered by way of concurrent
22 evidence, meaning a witness panel that includes the
23 depreciation experts of each party.

24 The parties are requested to arrange
25 for a discussion between the respective depreciation

1 experts ahead of the hearing in an attempt to find
2 common ground and narrow the areas of disagreement.

3 To that extent, the Board has made
4 available a facilitator for the province -- for the
5 process, and I would like to welcome to the hearing
6 room Mr. Ian Innis of Elenchus Research Associates who
7 has been working diligently with Manitoba Hydro and
8 with several Interveners to narrow down the areas of
9 disagreement, find areas of mutual agreement, and put
10 together an issues document which has been filed on
11 the Board record as PUB Exhibit 20.

12 As a procedural matter, the -- the
13 issues document refers to the views of certain
14 parties. I wanted to make it clear for the record
15 that those are the views of the independent experts
16 working for or retained by the parties. The parties
17 are, of course, at liberty in their closing
18 submissions to adopt or not adopt those views.

19 There are a number of witnesses that
20 will be speaking today, and some of them have been
21 sworn before; others have not been. I am advised that
22 Manitoba Hydro will have on the panel Michelle Hooper
23 who has not previously been sworn.

24 And Manitoba Hydro also has made
25 available Mr. Dane Watson of Alliance. He is a

1 depreciation consultant that authored a depreciation
2 study for Manitoba Hydro.

3 On behalf of MIPUG, we have Mr. Bowman
4 on the witness panel, and of course we have Mr. Ian
5 Innis as the facilitator.

6 Four (4) people have not previously
7 been sworn in. Those are Ms. Hooper, Mr. Bowman, Mr.
8 Innis, and Mr. Watson. So before we turn it over to
9 Mr. Innis, I would like to ask Ms. McMillin to swear
10 those witnesses in.

11 THE CHAIRPERSON: Sorry. Can I just
12 ask you, Mr. Hombach, the document that was on the
13 screen, was that intended to be the PowerPoint
14 presentation or the written? Because it's a different
15 -- that's a different document than the PowerPoint
16 presentation, and I don't know if you wanted the
17 PowerPoint presentation on the screen as Exhibit 20,
18 or if you want this document as Exhibit 20.

19 MR. SVEN HOMBACH: So -- so that is a
20 fair point, Mr. Chair. The -- the issues document
21 that sets out the positions and views of the experts
22 in detail in PUB Exhibit 20.

23 THE CHAIRPERSON: Okay.

24 MR. SVEN HOMBACH: However, Mr. Ian
25 (sic) this morning is also going to provide a high-

1 level overview of that document by way of the
2 PowerPoint presentation which I believe has been
3 entered into the record as PUB Exhibit 25.

4

5 --- EXHIBIT NO. PUB-25: Depreciation Presentation
6 - June 5, 2023.

7

8 THE CHAIRPERSON: Okay. Thank you.

9

MR. SVEN HOMBACH: Perhaps on that
10 note, if I could briefly take the parties to the
11 agenda for this morning which was on screen
12 previously, the -- the process today is as follows:

13 Mr. Innis is going to present the
14 issues document at a high level using the PowerPoint
15 presentation. The various parties who participated
16 will then have fifteen (15) minutes to explain their
17 own positions, and they have provided PowerPoint
18 presentations as well. Once that is completed, we
19 will launch into cross-examination.

20 Ms. McMillin...?

21

22 MANITOBA HYDRO DEPRECIATION PANEL:

23

IAN INNIS, Sworn

24

25 POSITION OVERVIEWS:

1 DUSTIN MADSEN, Resumed

2 PATRICK BOWMAN, Sworn

3 ALASTAIR FOGG, Resumed

4 MICHELLE HOOPER, Sworn

5 DANE WATSON, Sworn

6

7 THE CHAIRPERSON: Mr. Hombach...?

8 MR. SVEN HOMBACH: Thank you, Mr.

9 Chair. The witnesses for this morning have been sworn
10 in. Procedurally, I will ask you to turn the
11 microphone over to Mr. Innis shortly.

12 I just wanted to indicate two (2) brief
13 housekeeping matters. We've agreed with counsel for
14 MIPUG that we will wait with running through Mr.
15 Bowman's qualifications until he is expected to
16 testify on Friday rather than doing it today with a
17 joint panel.

18 I've also been advised by Mr. Czarnecki
19 that Manitoba Hydro would like to qualify Mr. Watson
20 as a witness, but I would suggest we do that once the
21 microphone gets turned over to Manitoba Hydro after
22 Mr. Innis has completed his presentation.

23 With that, I would ask that we turn it
24 over to Mr. Innis.

25

1 --- EXHIBIT NO. PUB-26 CV of Ian Innis - June 5,
2 2023

3

4 MANITOBA HYDRO - PRESENTATION BY MR. IAN INNIS

5 MR. IAN INNIS: Thank you, Mr.

6 Hombach. Good morning, Panel. My name is Ian Innis

7 and I'm a consultant with Elenchus Research

8 Associates. And the purpose of my presentation today

9 is to provide information on the depreciation issues

10 document.

11 The document contains information on
12 the background of a -- of a facilitation process. It
13 also has information on alternatives that were
14 developed through the course of the facilitation
15 process. And there's other issues that are
16 identified, as well.

17 My role was to serve as facilitator and
18 not to participate activity in discussions. It was
19 bring parties together, arrange meetings, and with a
20 view towards coming up with a common understanding of
21 what the depreciation issues are and, where possible,
22 to seek common ground and resolution.

23 This issue goes back over ten (10)
24 years. And in Board Order 43/'13, which was issued on
25 April 26, 2013, there was findings with respect to

1 depreciation.

2 At that time, the primary reason for a
3 change in depreciation was due to the implementation
4 of international financial reporting standards. And,
5 at that time, Manitoba Hydro proposed to implement a
6 equal life group methodology or depreciation expense.

7 A key finding from the proceeding was
8 that the Board was concerned that not enough
9 information was provided to assess the true impact on
10 ratepayers of a switch to the Equal Life Group, and
11 that's in section 6.2, page 18, of that Board Order.

12 So, we are now ten (10) years down the
13 road, and depreciation issues are still outstanding.
14 There's been hearings in the interim, and those
15 hearings have moved the issue forward. And now we --
16 we're today with depreciation issues that are many and
17 complex.

18 And so, the Board asked the Elenchus
19 Research Associates to help facilitate a process. And
20 that was in, as Mr. Hombach mentioned, Board Order
21 42/'23. And in that Board Order 42/'23 there were six
22 (6) primary issues identified.

23 It's important to note that in the
24 proceedings so far there are well over one thousand
25 (1,000) pages of evidence, and it is a very complex

1 issue. And in order to focus the deliberations, these
2 six (6) issues were identified. And let me enumerate
3 those issues because those issues are the subject of
4 the sessions that I facilitated.

5 The issue number 1 is use of an IFRS
6 compliant depreciation methodology for rate-setting
7 purposes.

8 Issue number 2, the use of the average
9 service life procedure as opposed to the Equal Life
10 Group procedure.

11 And I should mention the terminology
12 "average service life," which is ASL, is used
13 interchangeably with average life group, which is ALG.
14 It's -- they're very -- they are the same thing. It's
15 just in different context those two (2) different
16 names are used.

17 Issue number 3, the use of remaining
18 life technique as opposed to the whole life technique.

19 Issue number 4, the required level of
20 componentization.

21 Issue number 5, the treatment of
22 interim gains and losses.

23 And issue number 6, the establishment
24 and disposition of deferral accounts. This is the
25 high level summary of the issues which were

1 deliberated.

2 And through the course of the
3 deliberations, each of those was unpacked in terms of
4 definitions, what that means. And the issues document
5 itself further describes the -- in detail what each of
6 those issues refer to.

7 In this presentation this morning,
8 we'll be touching on these at a high level. And I
9 would refer you to the actual depreciation issues
10 document for further information.

11 The other issues with respect to
12 depreciation are to be dealt with through written
13 evidence. And so, as part of the oral hearing, this
14 is the focus of -- the six (6) issues I just mentioned
15 are the focus of the -- of the conversation today.

16 The parties requested, by a Board
17 procedural Order, to arrange for their appropriate and
18 their respective depreciation experts ahead of the
19 Hearing in order to help find common ground and to
20 narrow the areas of disagreement.

21 And to that effect, Elenchus Research,
22 who I'm part of, is the -- I served as the facilitator
23 and -- and that's my involvement in this process.

24 I'd like to give a little bit of
25 background on the process that was followed for I

1 understand that this is somewhat unique in the
2 proceeding and, at a high level, I just wanted to go
3 over what some of the steps were that we followed to -
4 - to have this process. And then, I'll discuss what
5 the results of the process were.

6 At the outset, it was agreed that the
7 facilitation process -- also referred to as a
8 technical conference or a technical meeting -- these
9 would be informal discussions, without prejudice, not
10 binding, and non-transcribed. And I think you get the
11 sense from that that we were trying to create an
12 environment that would be a free exchange of
13 information, rather than in a formal hearing session
14 with positions of parties being defended. This was an
15 open -- open discussion and it was informal. And I
16 served as facilitator of that.

17 Just so you know who the teams were, or
18 the folks were involved in the facilitation process,
19 for Manitoba Hydro, it was led by Alistair Fogg, with
20 Michelle Hooper. And there were also support staff
21 from Manitoba Hydro there as well.

22 Emrydia Consulting had Dustin Madsen
23 who -- and Dustin is a witness for GSS -- witness -- I
24 should say an expert for GSS/GSM.

25 Patrick Bowman as the expert for MIPUG.

1 And Mr. Darren Rainkie for the -- the Coalition.

2 Unpacking that process a bit further,
3 there were a series of three (3) technical
4 conferences. I'd like to describe what happened at
5 each of those -- those three (3).

6 The first technical conference involved
7 counsel and it also involved other Interveners in this
8 proceeding as well. And that was more of a broad-
9 based discussion taking place at that time.

10 As a result of that broad-based
11 discussion, it was understood that there are certain
12 parties that have a more deeper, more thorough
13 interest in depreciation issues. And it was agreed
14 that those parties would continue to meet to focus on
15 sorting out some of these issues.

16 So at the second technical conference,
17 there were no -- no counsel involved. It was the
18 depreciation experts. The other parties that chose not
19 to participate in the depreciation technical
20 conference were not there and so it remained the
21 parties that had a -- what I could -- perhaps a -- is
22 a keener interest in diving into depreciation issues.

23 I am pleased to report that throughout
24 the -- the process, there was a free exchange of
25 information, a genuine desire to seek and understand

1 each other's positions. A very open discussion took
2 place and each meeting -- the subsequent meetings on
3 April the 18th and May the 2nd -- and as you can see
4 by those dates, they are quite compressed. We had a
5 schedule that was established and agreed to by the
6 parties. And all parties met their responsibilities
7 with respect to that schedule in terms of preparing
8 information, reviewing information, providing input.
9 And it was a very -- very cooperative process.

10 And to the point where we did put
11 together a joint issues document. The pen on that
12 document was held by Manitoba Hydro from a pointed
13 view of starting the process. That document -- the
14 deprecation issues document was circulated amongst all
15 parties and went through iterations with the
16 participation of those parties.

17 And at the end of it, the -- the
18 document is something that all parties have agreed to
19 submit on the record.

20 Not all the parties agree with every
21 position, but I -- we believe that the document fairly
22 represents the positions of the parties and that
23 document is filed as PUB-20.

24 So, enough of the process, let -- let's
25 talk for a few minutes about the areas of agreement.

1 You will recall that there six (6) areas of focus that
2 the Board asked parties to come to some sort of
3 understanding on. And of those six (6) areas, there
4 are four (4) areas where there is, I would call it, a
5 consistency of opinion and let me enumerate those --
6 those areas.

7 The first area is, parties agree that
8 the Manitoba Hydro is preferable to apply the same
9 method of depreciation for both financial reporting
10 and regulatory rate setting, common agreement on that.

11 There is common agreement on the fact
12 that the whole life method of depreciation should be -
13 - continue to be used -- the whole life technique I
14 should say, can -- should continue to be used for the
15 calculation of depreciation and that is the basis of
16 depreciation Manitoba Hydro has used in the past and
17 all parties agree that it would be appropriate to
18 continue with that methodology.

19 It was also understood that judgment is
20 required in the area of determining the appropriate
21 level of componentization and it -- it should be based
22 on significance and materiality.

23 And, I'll be talking in a few more
24 minutes about componentization because that remains an
25 area of disagreement, not the fact the number of

1 components could be reduced, it's what is the
2 appropriate number of components the depreciation
3 should -- should be used for calculating depreciation
4 expense.

5 The other area of agreement was the
6 amortization period for depreciation needs to be
7 established for regulatory deferral accounts. And
8 this is consistent with IFRS treatment on rate
9 regulated accounting. It -- it's very important not
10 to have outstanding balances for deferral and variance
11 accounts, with no planned or expectation of
12 disposition. It -- it puts those balances at risk
13 from a -- a -- a financial accounting point of view
14 and so all parties agreed, it is important to
15 establish a disposition and -- or amortization period
16 for -- for those accounts.

17 I'd like to unpack the componentization
18 issue just a little bit further and, as I mentioned,
19 the parties agree that the componentization level
20 could be reduced and we have a varying degree of
21 numbers of asset components and they range from under
22 the ELG method from three hundred and seventy-one
23 (371) components for Manitoba Hydro's assets, in the
24 IFRS average service life procedure, seventy hundred
25 and eighty-one (781) components.

1 So, the views of the parties are that
2 somewhere within that range there lies an appropriate
3 level of componentization and different parties have
4 different opinions as to what the resulting number may
5 be.

6 And, it was also agreed that this area
7 needs to have further refinement and further review.
8 There are certain positions established right now and
9 all parties are willing and open to consider that
10 issue being refined -- be refined further; based on
11 the significance of the components and also the
12 materiality.

13 So, despite best efforts and -- and
14 goodwill amongst all the parties to the technical
15 conference, there remain areas where there is not
16 agreement. And there are two (2) main areas where
17 there is a -- a difference of -- of opinion, and
18 parties will be discussing those differences at --
19 after my presentation.

20 The main area is to do with the
21 approach for -- using average life group or equal life
22 group and the parties agree, fundamentally, that both
23 are rational and a systematic approach to calculating
24 depreciation. Both are implementable, but where
25 parties differ is on their -- their merits, the -- the

1 drawbacks or the benefits of the approaches and
2 whether they lead to just and reasonable rates.

3 So, parties remain at different
4 positions with respect to the -- which one is
5 preferable and which should be used for rate setting
6 for Manitoba Hydro and they're also -- the other area
7 where there's not full agreement is to do with the
8 approached used for calculating gains and losses. And
9 gains and losses are inextricably linked to the
10 methodology used for depreciation, whether ELG or
11 Average Life Group.

12 The -- the fundamental issue there is
13 that the Utility is entitled to, and should, recover
14 all asset costs over the asset service life. What
15 gains and losses refer to is the fact that what is the
16 pattern of the recovery of those gains and losses and
17 also, similarly, the ELG and the ALG approaches
18 depreciation. No one is disputing that Manitoba Hydro
19 should recover all of their depreciation expense. The
20 real issue comes down to what is the pattern of
21 recovery, essentially, over what -- over what period
22 of time.

23 To put something in perspective with
24 respect to the ALG and ELG methodology, and this is on
25 page 20 of the Depreciation Issues Report, is that,

1 based on calculations provided by Manitoba Hydro,
2 through their -- their modelling, the ALG approach is,
3 on average, \$15 million lower, year over year,
4 compared to depreciation expense under the ELG
5 approach and that's something that's on the record in
6 that proceeding. So, the -- there is no argument or
7 difference of opinion with respect to the fact that
8 ALG depreciation expense is lower in the -- in the
9 short run.

10 So, with that information on the table,
11 the parties said, what do we do with that and, when
12 you look at the number of different elements involved,
13 there could be no end of combinations and permutations
14 -- and permutations to solve this -- this issue. What
15 the parties worked diligently to do is to come up with
16 alternatives and present these alternatives as a
17 package to the Board.

18 There are four (4) alternatives and I
19 would like to take you through those four (4)
20 alternatives and un -- unpack them just a --a little
21 bit.

22 Two (2) alternatives, and these are
23 primary alternatives. They have it combine -- they're
24 Alternatives 1 and 2, and they deal with different
25 combinations of how to treat ELG, ALG, gains and

1 losses and -- and deferral accounts, and I'll unpack
2 those in a couple more slides. So, Alternatives 1 and
3 2 are similar in nature, but have different --
4 different futures.

5 Alternatives 3 and 4, and these
6 alternatives were presented by the -- the Coalition
7 and take a slightly different perspective, and the
8 perspective on Alternatives 3 and 4 is that there is
9 not sufficient information on the record, so far, in
10 order to make a final determination of depreciation
11 expense, and Alternatives 3 and 4 present different
12 views and how to -- how to deal with that circumstance
13 and, so, I'll take you through that in a minute.

14 Just to let you know that Alternatives
15 1 and 2, similar in nature, 3 and 4 take a different -
16 - a different progress.

17 So, Alternative Number 1, what is it?
18 Alternative Number 1 is, essentially, the proposal
19 that Manitoba Hydro put forward in their pre-filed
20 evidence, and the -- the main features of Alternative
21 Number 1 is to, first of all, go with the ELG method
22 of calculating depreciation expense.

23 Also, in Alternative 1 is to cease gain
24 -- calculating or determining gains and losses and,
25 also, to amortize the deferral account balances right

1 away and because there is a financial impact to
2 implementing ELG, meaning it -- there is higher
3 depreciation expense, phase in that impact over a 15-
4 year period. So, there would be a -- a smoothing
5 effect.

6 So, that's essentially Alternative
7 Number 1 and I -- I should mention that the -- the --
8 the slides that I'm going through are the -- the high
9 level version of these alternatives. The depreciation
10 issues document gives a fairly comprehensive
11 understanding of a side-by-side comparison of these --
12 these alternatives for further information.

13 Alternative Number 2 says, go with the
14 AL -- ALG method of calculating depreciation expense
15 and maybe put in a final process when -- not totally
16 comfortable with the number of components associated
17 with ALG, but perhaps what we should do is reduce and
18 refine the componentization level of detail.

19 Under this method, we would continue
20 with the gains and losses deferral account and
21 continue depreciation until the ALG transition takes
22 place, because under Alternative Number 2, as it's
23 currently described, it was thought that it would take
24 longer to determine, or to fully implement the ALG
25 Method. It could take up until April 1st, 2023 -- or

1 2026 to implement the ALG methodology. In the
2 meantime, starting September 2023, commence deferral -
3 - commence amortization of the deferral account
4 balances.

5 So, in summary, Alternative Number 2:
6 use ALG; continue to defer gains and losses but not
7 fully implement it until April 1st, 2026, because
8 there's further refinement needed with the
9 componentization.

10 As I mentioned, Alternatives 3 and 4
11 take a -- a slightly different approach. And
12 Alternative 3 says, Continue with what you're doing
13 right now, which is the C-GAAP ASL basis, keep going
14 on that path on an interim basis without ammor --
15 amortizing existing deferral accounts and wait until a
16 later proceeding to fully address this issue. In the
17 meantime, continue with gains and losses with no
18 amortization and just wait until next time.

19 Alternative 4 is a slightly different
20 take on Alternative 3 and the -- the main difference
21 is to commence amortization of deferral accounts until
22 -- defer them, continue to -- continue the previous
23 ASL and commence amortization of deferral accounts
24 until the PUB opines on them.

25 And then also what we'll do is

1 Alternative Number 4, commence amortization of
2 balances effective September 2023. So, amor -- under
3 Option Number 4, amortize some of the accounts a bit
4 sooner as compared to Alternative Number 3.

5 So, you might be saying, well, where
6 are we at with these alternatives, even 4 is a bit --
7 a bit too confusing. Just to put this in perspective,
8 Manitoba Hydro considers Alternative 1 to be
9 preferable. However, also they also think that
10 Alternative 2 is viable. So Number 1 preferable, but
11 Number 2 is viable.

12 MIPUG and GSF -- MIPUG and GSS/GSM
13 recommend Alternative Number 2.

14 And the Coalition recommends
15 Alternatives Numbers 3 or 4.

16 And -- and I think it's important to --
17 to know that the nature of the -- the technical
18 conference was not a -- it was not a negotiation and
19 it was not coming to an agreed negotiated outcome.

20 What it does is it identifies --
21 develops alternatives and identifies options. And as
22 an effort to be helpful to the Board by trying to boil
23 down where have we landed on these issues.

24 Parties did their best to come to some
25 common understanding and it's just mentioned the --

1 the two (2) main issues relate to the depreciation,
2 ELG or ALG, or componentization.

3 I want to summarize the comp -- the
4 issue that the Coalition raised because Alternatives 3
5 and 4 are -- are different. And there's -- their
6 focus would be -- is on the need to have further
7 refinement of componentization in order to be fully in
8 compliance with the Board's PUB directive.

9 And the -- it's important to note, as
10 well, that in the depreciation issue doc -- issues
11 document, all the positions of the parties to the
12 technical conference are summarized on pages 28 to 35.
13 So, that summarized the parties positions in detail,
14 which I'm sure they'll be elaborating on later this
15 morning.

16 Also, in appendix A of the depreciation
17 issues document is a line-by-line comparison of
18 Alternatives Number 1 and Alternatives Number 2 in
19 more detail in what I provided here today.

20 And in the depreciation issues document
21 as well, there are seventeen (17) pages of financial
22 impact analysis of -- on pages 40 to 47, which present
23 full financial statements and impacts over a, I
24 believe, it is a twenty (20) plus year period of the
25 implications of alternatives 1 and 2.

1 Now, I want to conclude with a few
2 other observations, and it's important to note that
3 depreciation cannot be taken in context -- out of
4 context from the overall rate proceeding.

5 Depreciation does have an impact on
6 rates and financial ratios, and so part of the work
7 that was done that's included in the document, it
8 provides a comfort level on saying what -- if we
9 decide something on depreciation, what does that mean?
10 And what does it mean in terms to the debt-to-
11 capitalization target in '39/'40 which is a
12 requirement?

13 And the observation and the information
14 in the report is that, with or without the deferral
15 count, without -- without the deferral gains and
16 losses for both ALG and ELG, it's the same debt-to-
17 capitalization target continues. So no overall impact
18 regardless of the methodology that you choose with
19 respect to the capitalization target.

20 There's a minimal change in the net
21 debt since depreciation is a cash item, so borrowings
22 would not increase. And the treatment of gains and
23 losses does not significantly impact the proposed
24 rates. So, this is taking the macro view and macro
25 financial considerations.

1 Also, when the depreciation --
2 depreciation procedure is isolated, despite the
3 difference in cumulative net income between ALG and
4 ELG, and assuming a constant rate path, the same
5 target debt-to-capitalization ratios would be achieved
6 by '29/'40 (sic).

7 And also, when we look at rates by
8 customer class, the selection of depreciation
9 procedure does not significantly impact the proposed
10 rates by customer class.

11 So I'd like to summarize the work of
12 the -- the team on the technical conference to say
13 that the -- the process went well. It provided the
14 parties a forum to understand and to collaborate and
15 find -- find common ground.

16 And as facilitator, my hope is that the
17 resulting depreciation issues document and this
18 presentation have helped the Board to focus the issues
19 with respect to depreciation. Thank you. And I'll be
20 pleased to take any questions.

21 THE CHAIRPERSON: Okay. Mr. Innis, I
22 -- I've got a question about the process. I note that
23 Mr. Rainkie, known from the Coalition, is on this
24 panel. Should we be reading something into that?

25 MR. IAN INNIS: Perhaps Mr. Hombach

1 can address that.

2 MR. SVEN HOMBACH: Yes, Mr. Chair. I
3 don't think the Panel should be reading anything into
4 it. I've had the discussion with counsel for the
5 Coalition. They agreed that, while Mr. Rainkie
6 participated, he would not be providing evidence to
7 the Panel on depreciation today.

8 So the Board should not -- there's no
9 suggestion that the Board should draw any adverse
10 inferences from that, but ultimately Coalition
11 indicated that they weren't planning to have Mr.
12 Rainkie on the stand.

13 I'd invite Mr. Williams to comment as
14 well.

15 DR. BYRON WILLIAMS: Thank you, Mr.
16 Chair and members of the Panel. My recollection would
17 be slightly different.

18 I just indicated we were agnostic, we -
19 - whether or not Mr. Rainkie appeared. From our
20 perspective, we thought the focus of the -- the Panel
21 would -- would be on these witnesses, so we -- we said
22 we were prepared to present him, but we were not
23 anxious or looking forward. You know, we were -- we
24 would go with the will of the Board on that.

25 THE CHAIRPERSON: Okay.

1 DR. BYRON WILLIAMS: Mr. Chair, just
2 while --

3 THE CHAIRPERSON: Yeah.

4 DR. BYRON WILLIAMS: -- I'm on the
5 bike -- on the mic -- I will not raise this in cross;
6 I will in closing. Our client is -- is uncomfortable
7 with the use of the word 'parties' as presented by the
8 facilitator.

9 I -- I think it's understood that this
10 agreement is really between Manitoba Hydro, as well as
11 independent experts re -- retained by -- by groups.
12 So we just want -- want -- we're not going to belabour
13 that today, but we are uncomfortable with the use of
14 the word 'parties' as presented by the facilitator.

15 THE CHAIRPERSON: Okay. We'll note
16 that. I guess the question, Mr. Williams, is: It
17 appears the position of the Coalition is different
18 than the other experts on specific issues. They will
19 be addressing, I -- I take it, their views on these
20 issues.

21 If we have a question in relation to
22 the views of the Coalition on those issues, or the
23 views I guess of -- sorry, of the -- of Mr. Rainkie as
24 -- as the expert who participated in the process, how
25 do we deal with those?

1 DR. BYRON WILLIAMS: Thank you. And
2 I'll -- I'll just reiterate that the -- the position
3 articulated by Mr. Rainkie may be different from the
4 position -- it's not the position of the Coalition.
5 The Coalition obviously has an open mind on these
6 issues, as we always do with independent experts.

7 If our -- our clients certainly believe
8 that the views of Mr. Rainkie were well represented in
9 PUB-20, but if the Board want -- has any questions of
10 Mr. Rainkie, we'd be happy to do that on a time-
11 sensitive basis by -- by undertaking.

12 THE CHAIRPERSON: Okay. Thank you.
13 Does the Panel have any questions? No? Not yet. Not
14 yet.

15 Okay. That's great. We will -- we'll
16 proceed with -- I guess with Manitoba Hydro and Mr.
17 Fogg and Ms. Hooper.

18 MR. BRENT CZARNECKI: Mr. Chairman,
19 it's Mr. Czarnecki over here in Intervener row.
20 Before we turn the microphone over to Mr. Fogg and Mr.
21 (sic) Hooper, I think I'd just like to qualify Mr.
22 Watson --

23 THE CHAIRPERSON: Right.

24 MR. BRENT CZARNECKI: -- this morning.

25 THE CHAIRPERSON: Yeah.

1 MR. BRENT CZARNECKI: And Ms. Schubert
2 has pulled up his CV which was attachment to the
3 PUB/Manitoba Hydro 1-140(b). And it's up on the
4 screen.

5 So I would just ask Mr. Watson to
6 quickly review his extensive experience and expertise
7 in depreciation matters for you so you have it, and
8 then we can proceed with Mr. Fogg and Mr. (sic)
9 Hooper's presentation.

10 THE CHAIRPERSON: Certainly. Thank
11 you.

12

13 CONTINUED BY MR. BRENT CZARNECKI:

14 MR. BRENT CZARNECKI: Thank you.

15 MR. DANE WATSON: Well, good morning.
16 I'm sitting here in the back corner. My name is Dane
17 Watson. I'm managing partner of Alliance Consulting
18 Group. I -- I guess my background, I graduated in
19 1985 with an electrical engineering degree. I later
20 went on and got my MBA. I am a professional engineer
21 and a certified depreciation professional.

22 For the first twenty (20) years of my
23 career, I worked for Texas Utilities, or TXU. It's
24 changed names a few times, but it was at the time one
25 (1) of the largest vertically integrated utilities in

1 the US.

2 For the first ten (10) years, I worked
3 in the engineering areas, and then later moved, for
4 the last ten (10) years, managing much of the
5 accounting back shop worldwide for them, including
6 fixed asset accounting.

7 During that time at the beginning of my
8 career, I started working in the depreciation area, as
9 well as other areas. Back at that point, engineers
10 did more of the depreciation studies than -- than they
11 do now, including developing the depreciation systems
12 and programs that were used to run the depreciation
13 models within TXU.

14 I have -- in 2004, I started Alliance
15 Consulting Group, and over the last closer to twenty
16 (20) years, we've done between three hundred (300) and
17 four hundred (400) studies across all of North America
18 and beyond.

19 I teach quite a bit all over the
20 industry. I do all of the training for Edison
21 Electric Institute and American Gas Association. I
22 teach the highest level -- developed and teach the
23 highest level course at the Society of Depreciation
24 Professionals. I teach at Michigan State University
25 and other places across -- across the US, including

1 I've held a number of training sessions for US state
2 commission staff over the years.

3 I was a primary editor -- the primary
4 editor of the EEI/AGA, sort of the industry resource
5 and depreciation -- the book called "Introduction to
6 Depreciation for Regulated Industries," and as it
7 relates to IFRS specifically, I was on the task force
8 that was created by EEI and AGA for the -- what was
9 thought -- the eventual IRS adoption by US.

10 We were tasked with providing guidance
11 to US companies on how they would, from a fixed-asset
12 and depreciation standpoint, be able to deal with
13 having to move into an IR -- IFRS world.

14 I think that sort of concludes my
15 thoughts.

16 THE CHAIRPERSON: Thank you, sir.
17 Vice-Chair Kapitany has a question.

18 VICE-CHAIR KAPITANY: Mr. Watson, can
19 you just clarify for me.

20 Were you part of any of the technical
21 conference sessions that took place that led to the
22 report we just saw?

23 MR. DANE WATSON: No, I was not.

24 VICE-CHAIR KAPITANY: Thank you.

25 MR. BRENT CZARNECKI: Mr. Chair, it's

1 -- it's me again. I'm sorry to interrupt the flow
2 here again, just housekeeping matters. The
3 qualifications of Ms. Hooper were filed with the
4 Board, and they're marked as Hydro Exhibit 48.

5 The -- or sorry, the PowerPoint
6 presentation that you're about to hear has been filed,
7 as well, yesterday, and it's Manitoba Hydro Exhibit
8 number 49.

9 And perhaps, Ms. Kapitany, just to add,
10 Hydro felt it was important to have Mr. Watson here
11 for the benefit of the Board and all parties.

12 I expect most of the speaking will be
13 done by Mr. Fogg and Ms. Hooper, but we felt it
14 important to have him here in the room so that you can
15 avail yourself to his expertise, knowing that he has
16 conducted the -- his company has conducted the
17 depreciation study on behalf of Manitoba Hydro.

18 So, he's here to assist in any manner
19 you wish.

20

21 --- EXHIBIT NO. MH-48: MH witness qualifications
22 - depreciation concurrent
23 evidence panel - June 5,
24 2023.

25

1 --- EXHIBIT NO. MH-49: MH depreciation position
2 overview - June 5, 2023.

3

4 THE CHAIRPERSON: Thank you, Mr.
5 Czarnecki. Mr. Fogg, are you taking the lead, or Ms.
6 Hooper?

7 MR. ALASTAIR FOGG: I will, Mr. Chair.
8 I'll just let Ms. Hooper introduce herself to the
9 Panel first before we start.

10 THE CHAIRPERSON: Thank you.

11

12 CONTINUED BY MR. BRENT CZARNECKI:

13 MS. MICHELLE HOOPER: Good morning,
14 Board Chair Gabor, Vice-chair Kapitany, Board members,
15 and other parties. My name is Michelle Hooper. And I
16 am pleased to be here on D-Day to provide evidence
17 with respect to depreciation.

18 I am a chartered professional
19 accountant with twenty-seven (27) years of experience
20 at Manitoba Hydro. I am currently the senior analyst
21 in the Assets and Operations Accounting Department and
22 the Company's in-house depreciation expert.

23

24 (BRIEF PAUSE)

25

1 MS. MICHELLE HOOPER: I have a
2 bachelor of science in mathematics from Brandon
3 University. I articulated with Kendall Wall Pandya
4 chartered accountants Thompson, Manitoba and was
5 granted my designation as a chartered accountant in
6 1995.

7 I started with Manitoba Hydro in 1996,
8 and during the early portion of my career I provided
9 financial support to the transmission, distribution,
10 and customer service areas and participated in the
11 original SAP implementation project.

12 In 2000, I moved into the corporate
13 accounting department where I progressed through
14 several roles. During this time, I was responsible
15 for the development and maintenance of cost allocation
16 processes, the oversight of SAP month-end accounting
17 processes and served as the business solutions
18 coordinator for the MyBudget Project.

19 This project developed a detailed
20 position-based operating budget system and associated
21 reporting within SAP business warehouse. Most of the
22 processes that were developed during my time in these
23 roles are still in use today.

24 In 2009, I was seconded to Manitoba
25 Hydro's IFRS conversion project where I led the

1 Company's analysis of the IFRS impacts to property
2 plant and equipment.

3 In addition, I was the business lead
4 for the IT system implementation of IFRS accounting
5 and reporting changes, including the componentization
6 changes implemented in 2012, in preparation for the
7 Company's adoption of IFRS.

8 Except for brief assignments in the
9 strategic business integration energy markets
10 compliance and rates and regulatory affairs
11 departments, which broadened my experience, I have
12 continued to work on the Company's depreciation
13 methodology issues.

14 I was the Company lead for the 2010,
15 2014, 2019, and the IFRS compliant ASL depreciation
16 studies and served as Company witness with respect to
17 depreciation during the 2014/'15 and '15/'16 General
18 Rate Application.

19 I received my accreditation as a
20 certified depreciation professional in 2021. I have
21 an expert knowledge of Manitoba Hydro's assets and
22 complex SAP system, its modules and external
23 applications which underpin Manitoba Hydro's asset
24 accounting function.

25 I look forward to sharing my knowledge

1 and experience with you today.

2 MR. ALASTAIR FOGG: Thank you very
3 much for the opportunity to speak to Manitoba Hydro's
4 position.

5 So, if we move to the next slide, what
6 we'd just like to highlight is, first and foremost,
7 and this has really been the focus through our
8 discussions in the technical conference. Manitoba
9 Hydro's key objective is to -- to seek the resolution
10 out of the depreciation matters and allow for that to
11 be resolved as part of this proceeding.

12 We do believe through what's been filed
13 and what we'll further discussion today, there is
14 sufficient information on the record to allow the
15 Public Utilities Board to opine on the depreciation
16 matters.

17 In terms of Manitoba Hydro's position,
18 Mr. Innis has highlighted that briefly already in his
19 presentation but I'll just reiterate here.

20 We are recommending the Alternative 1,
21 or IFRS ELG methodology, that can be implemented
22 immediately with no additional expense or resources
23 allocated to -- to it with no negative impact on
24 customers and allows our employees to work on value-
25 added initiatives from our perspective.

1 To be clear though, we do consider the
2 IFRS ASL or ALG, using those interchangeably, to be a
3 viable alternative but -- but is not our preference.
4 It would certainly allow the resolution of the
5 depreciation matters.

6 We will speak to it further, but we do
7 see that having a delayed implementation due to
8 additional work on componentization but, also, this
9 would -- could very well represent system changes
10 within our SAP system training required, data
11 conversion work.

12 And there will be some permanent
13 administrative aspects that will be required around
14 those additional componentization and recording of
15 time that, while not material, would have some O&A
16 expense impacts.

17 And you'll see this come up again.
18 We've noted that it would reduce hands on the tools
19 (phonetic) reliance app. What we mean by that is, if
20 we were adding additional components and all of those
21 staff in the field need to charge their time in detail
22 to those components, that may be additional
23 administrative burden on that field staff versus their
24 time working on maintenance or other tasks.

25 Finally, we -- we are not recommending

1 Alternatives 3 or 4. And, as I said earlier, we -- we
2 believe there's sufficient information on the
3 depreciation matters that have been provided to allow
4 for a decision to be made as part of this proceeding
5 and that Directives 8 and 9 from Order 43/'13 have
6 been satisfied.

7 So, our outline -- outline today we
8 will talk about the position on the six (6) policy
9 issues. I will go through some of that quickly as
10 we've covered it already this morning.

11 We'll cover our view around ALG being
12 viable but some of the reasons we consider it not to
13 be preferred, our recommendation of the ELG procedure,
14 the importance of amortization periods. And then
15 we'll conclude and summarize our position.

16 We've talked about some of these
17 already, so I -- I won't belabour them, but these are
18 the matters where Manitoba Hydro and the other parties
19 did reach agreement or consensus as we talked about
20 already this morning.

21 The first was policy item -- identified
22 as policy item 1. All parties agreed that, as
23 preferable, that the same depreciation approach be
24 applied for financial reporting and rate-setting
25 purposes. This improves the comparability and

1 understandability of the financial statements and
2 removes the need to maintain separate accounts for
3 financial reporting versus rate setting.

4 And the next item was identified as
5 policy item 3, and that's to maintain -- we believe we
6 should maintain the existence -- existing practice of
7 the whole-life technique. And Manitoba Hydro didn't
8 intend to suggest a change in this technique. We've
9 been using the whole-life technique since 2005, and
10 that's what we would recommend as the -- remained the
11 approach.

12 Policy item number 4 is
13 componentization and that -- that's an item we'll be
14 discussing, I believe, further today. The parties did
15 agree that this is an area where the application of
16 professional judgment is required. And the parties
17 were supportive of a review of the refinement of
18 componentization as this is an ongoing or regular
19 activity that is done; that is a review of components
20 on a regular basis.

21 The refinement to address -- this is
22 really a refinement to address what we would consider
23 non-material components; in other words, not
24 materially impacting depreciation expense or revenue
25 requirement and that this can be done as part of a

1 next steps.

2 Finally, policy item number 6 was the
3 amortization of existing deferral accounts.

4 Establishment of the amortization and the recovery
5 mechanism is critical, and it's -- it's necessary from
6 an IFRS 14 perspective.

7 Move to the next slide. I'll hand
8 things over to Ms. Hooper.

9 MS. MICHELLE HOOPER: So, the next
10 policy issue we would like to discuss is the treatment
11 of interim gains and losses on which the parties are
12 not fully aligned.

13 Manitoba Hydro's interpretation of
14 IFRS, based on international accounting standard 16,
15 paragraph 68, is that it is necessary to recognize a
16 gain or loss into income in retirement of an asset.

17 Paragraph 68 is one of the bolded
18 paragraphs which, per Mr. Madsen's testimony, on -- is
19 considered required under IFRS.

20 Regulated entities reporting under IFRS
21 14, which is the interim standard pertaining to rate
22 regulated activities, amounts may be deferred if the
23 regulator requires a different treatment for rate-
24 setting purposes.

25 Under IFRS 14, it is necessary to

1 isolate the impacts of rate regulation within the
2 financial statements, which means that we can either
3 retain gains and losses within or discharge the
4 existing deferral accounts to accumulated
5 depreciation.

6 The magnitude of gains and losses
7 depends on the depreciation procedure used and
8 Manitoba Hydro has estimated losses to be
9 approximately 3 million per year for ELG versus 23
10 million for ALG.

11 Just to clarify, Manitoba Hydro is not
12 opposed to deferral under either approach. Our
13 preferred alternative, ELG, includes immediate
14 recognition of gains and losses.

15 We recommend a cessation of the
16 deferral account due to immateriality, but continuing
17 the deferral would protect net income against one-off
18 material losses, should a large piece of equipment
19 fail early in life.

20 If the PUB decides in favour of ALG,
21 Manitoba Hydro supports the ongoing deferral of gains
22 and losses.

23 Under ALG, annual losses are expected
24 to be much more material and immediate recognition
25 produces a fluctuating pattern of expense, which is

1 not reflective of the assets in use.

2 Appendix 9.12 includes several charts,
3 and figures 10, 13, and 16, which show the pattern of
4 depreciation expense achieved for different Iowa
5 curves when using ALG either with or without deferral
6 of gains and losses.

7 Regardless of whether gains and losses
8 are recognized immediately or deferred, Section 7.2 of
9 the depreciation issues document demonstrates that the
10 decision does not have any material impact on either
11 proposed customer rates or achievement of the debt
12 ratio. This is due to a minimal change in net debt
13 since depreciation is a non-cash item. If I could
14 have the next slide, please.

15 The use of ELG versus ALG is an area
16 where there is not full agreement between the parties.

17 All parties agree that both methods
18 provide just and reasonable rates for customers as
19 both methods are rational and systematic approaches to
20 determining depreciation and both are acceptable under
21 IFRS.

22 ELG is more complex. But this really
23 only matters when you are explaining the calculations
24 or developing depreciation models; such as the
25 gain/loss models used by Manitoba Hydro.

1 Rather than the procedure itself, it is
2 the level of componentization that has an impact on
3 day to day operations. For example, regardless of the
4 procedure, we still need to use a model to determine
5 the amount of gains and losses to recognize each year.
6 And although the calculations embedded in the model
7 differ between ELG and ALG, the inputs and work effort
8 for the process are the same regardless of the
9 procedure.

10 Based on Manitoba Hydro's research, the
11 use of ELG in Canada has become much more prevalent.
12 Manitoba Hydro researched the accounting standards and
13 depreciation practices used by the predominant
14 electric utilities in each province. And the results
15 of that research are shown in the responses to PUB/MH-
16 2-37. And depicted on this slide.

17 Excluding Manitoba Hydro, these charts
18 show ELG in green and ALG in blue. And in all three
19 (3) charts, ELG use is more prevalent than ALG.

20 As demonstrated in Section 7.3 of the
21 depreciation issues document, the choice of ELG versus
22 ALG results in a difference in net income, but that
23 difference is not material enough to impact proposed
24 customer rates or the achievement of debt ratio
25 targets.

1 Others have submitted evidence that the
2 true difference between ALG and ELG is significantly
3 higher than that shown in this section. We believe
4 the figures quoted by other parties are based on
5 scenarios which are not consistent with their
6 recommendations.

7 Manitoba Hydro has proposed a phase-in
8 for ELG which smooths net income without changing the
9 proposed rate path. The phase-in provides short-term
10 protection to net income in case operational risk
11 materialized during the projected low income years in
12 the first decade of the forecast.

13 A phase-in is not included in the ALG
14 alternative, but could still be beneficial. Manitoba
15 Hydro is open to alternative approached to the phase
16 in.

17 And I'll pass it back to Mr. Fogg to
18 continue.

19 MR. ALISTAIR FOGG: Thank you, Ms.
20 Hooper. If we go to the next slide, I'll just --
21 we'll discuss ALG, which would be alternative to as
22 presented in the depreciation issues document.

23 So as I mentioned earlier, Manitoba
24 Hydro's view is that ALG is viable, but not preferred.
25 We -- we would certainly proceed in that fashion if

1 that's the direction of the Panel. And it would allow
2 for the resolution of the depreciation matters and
3 would be IFRS compliant.

4 That said, while it's viable, an ALG
5 would take, in our view, several years to implement
6 and would require some additional administrative
7 efforts associated with that.

8 The parties agree that further work
9 should occur to refine the level of componentization
10 that is currently proposed by Alliance for ALG. This
11 would involve removing components of immaterial amount
12 or insignificant affect to either depreciation expense
13 or gains and losses.

14 And I think it's critical to note that
15 removing immaterial or insignificant items, from
16 Manitoba Hydro's perspective, would not be expected to
17 impact Manitoba Hydro's financial outcome or customer
18 rates.

19 After this work, Manitoba Hydro would
20 proceed with the effort to convert to ALG. Additional
21 resources would be required to executive this
22 conversion and provide ongoing support. This would
23 likely result in some increased operating and
24 administrative expenses, although those would not --
25 are not anticipated to be material to Manitoba Hydro's

1 overall electric segment expenses.

2 Since alternative 2 could not be
3 implemented immediately, a transition period would be
4 required. And we discussed that earlier this morning.

5 That would require the current C-GAAP
6 ASL methodology to be continued until the new ALG
7 methodology could be applied. But the recommendation
8 would be the amortization of the balances would begin
9 immediately.

10 If alternative 2 is selected, as Ms.
11 Hopper has mentioned, a phase-in may not be necessary
12 as inputs to net income are expected to be smaller
13 than ELG due to the proposed deferral of gains and
14 losses under this alternative.

15 If we go to the next slide, we'll
16 discuss in more detail the efforts required to
17 implement an IRFS compliant ALG methodology.

18 So to be clear, componentization as it
19 relates to ALG is not just an accounting issue for
20 Manitoba Hydro. Componentization is embedded
21 throughout numerous SAP modules and integrated IT
22 systems and would impose a minimum level of
23 granularity for time and expense capturing which
24 affects every capital project that our staff work on.

25 For our front line staff, additional

1 componentization means more administrative effort on a
2 day-to-day basis throughout the capital project life
3 cycle, to record their time accurately, reducing their
4 time -- as we would call it -- on the tools where they
5 would be working on their -- their primary work.

6 I'll now let Ms. Hooper discuss the --
7 a bit more in detail what the implementation
8 requirements of an ALG methodology would be.

9 MS. MICHELLE HOOPER: Implementation
10 of additional components is a significant undertaking.
11 And based on our past experience with the 2012
12 componentization, we estimate the earliest possible
13 implementation date for ALG alternative to be April 1,
14 2026.

15 We cannot finalized a cost estimate at
16 this time, but just for context, in 2012, in
17 preparation for transition from C-GAAP ASL to IFRS,
18 Manitoba Hydro added two hundred (200) components,
19 expanding from roughly one-hundred-and-fifty (150) to
20 three-hundred-and-fifty (350).

21 And the implementation effort, not
22 including IT system changes, cost \$2.2 million and
23 required over twenty-five-thousand (25,000) internal
24 labour hours over a four (4) year period which is
25 equivalent to approximately fifteen (15) FTEs.

1 The long lead time is required to
2 address the following processes, commencing with
3 receipt of an order at the end of the current
4 proceeding.

5 The first step in transitioning to an
6 ALG procedure is to finalize componentization. Since
7 the Alliance study was a special purpose study,
8 further iterative analysis is required to determine
9 which immaterial or insignificant components can be
10 combined.

11 After finalizing the componentization,
12 a fulsome depreciation study would be required to
13 include updated data sets reflecting the refined
14 componentization and asset activity up to March 2024.

15 Based on past experience with the IFRS
16 compliant ASL study, the data analysis required to
17 componentize (phonetic) the 2020 to 2024 activity
18 would be time consuming.

19 Updates to IT systems to accommodate
20 additional components would commence after
21 confirmation is received from the Board to proceed.

22 Updating IT systems would be
23 challenging due to the competing IT demands and
24 enterprise priorities. Our current SAP system and
25 other integrated IT applications, such as those used

1 for capital estimating, portfolio optimization,
2 customer pricing, and asset maintenance have
3 significant customization and each affected table and
4 custom program would require independent update.

5 For accounting purposes, changes of
6 this magnitude would need to be aligned with the start
7 of a fiscal year.

8 In addition to IT system changes, we
9 would also have to convert existing assets in capital
10 projects. We have approximately ninety-thousand
11 (90,000) active in-service assets and twenty-nine-
12 hundred (2,900) active capital projects. At this
13 point, we don't know how many of these would be
14 affected but the proportion is likely to be
15 significant based on past experience.

16 Training would be required for hundreds
17 of individuals across the Company, not just accounting
18 staff. All employees involved in capital projects or
19 asset-related activities would require training.

20 Some of the affected processes are
21 shown on the slide in bullets, surrounding the central
22 table. Properly training staff is essential to ensure
23 proper cost capture and ultimately accurate
24 depreciation expense.

25 I will now pass it over to Mr. Fogg.

1 MR. ALASTAIR FOGG: Thank you. If we
2 move to the next slide, again -- the -- so this is
3 Manitoba Hydro's recommendation and we are
4 recommending ELG. But first and foremost, we --
5 again, we just -- we believe that there has been
6 sufficient information in the application and in the
7 depreciation issues document to offer a decision.

8 We do prefer alternative 1, which is
9 the use of an ELG procedure, as it could be
10 implemented immediately on a receipt of direction from
11 the PUB and fully resolves the depreciation issues.

12 Manitoba Hydro currently uses ELG for
13 financial reporting purposes and would simply have to
14 stop calculating the difference in deferral for the
15 change in depreciation methodology account and it --
16 then we would be in full implementation.

17 As noted, Manitoba Hydro would also not
18 be an outlier amongst other Canadian electrical
19 utilities in the use of ELG.

20 Not only can Manitoba Hydro implement
21 ELG for rates and new purposes immediately, but there
22 would be no additional cost or administrative
23 requirements as those that exist with the IFRS/ALG
24 approach. And that includes such items as additional
25 time carding requirements, estimating and accounting

1 work, et cetera.

2 And you've also heard that based on our
3 analysis, and the -- and presented in the depreciation
4 issues document, the difference in net income between
5 alternatives 1 and 2 is not material enough to impact
6 Manitoba Hydro's proposed rate path, the proposed
7 differential rates by customer class, or the
8 achievement of the 70 percent debt ratio target by
9 2039/'40. Therefore, there is no detriment to our
10 customers or -- or Manitobans that is as a result of
11 that -- this decision.

12 While Alternative 1 also assumes a
13 phase in of ELG depreciation over fifteen (15) years,
14 with amortization over thirty (30) years, and does not
15 include the deferral of gains and losses, Manitoba
16 Hydro is open to consideration of deferring gains and
17 losses and other alternate approaches to the proposed
18 fifteen (15) year phase-in as part of an
19 implementation of an ELG approach. Move to the next
20 slide and after this slide.

21 In the interest of time we won't
22 belabour this. We've talked about it already. All
23 parties agree that amortization period should be
24 established for the existing deferrals.

25 The existing depreciation related

1 methodology deferral accounts have grown to greater
2 than three hundred and fifty-five (355) million -- as
3 estimated at March 31st, 2022.

4 Manitoba Hydro's view is that using the
5 weighted average remaining life of the assets that
6 have contributed to the deferral account balances
7 provides a reasonable and logical amortization period
8 for those accounts. Move to the next slide.

9 So, really in summary, we do believe a
10 decision can be made as part of these proceedings and
11 that decision would be either -- our preference is
12 Alternative 1, as we've outlined, but we are open to
13 proceeding under Alternative 2, if that's the decision
14 of the Board.

15 Depreciation allows for the recovery of
16 the costs in Manitoba Hydro's assets from customers
17 over time, but it is an estimate and require -- and it
18 will require regular depreciation studies to update
19 its calculation as asset service life continually
20 change as a result of asset health, new technology and
21 maintenance programs. So, this will remain an ongoing
22 item that we work on from a study perspective but --
23 but can be substantially resolved today as part of
24 these proceedings.

25 I think with that, I'll leave it there

1 and -- and if there's any questions on our
2 presentation, I'd be happy to answer them.

3 VICE-CHAIR KAPITANY: Just on your
4 last slide, Mr. Fogg, you said that ALG would require
5 continual updating of depreciation study.

6 Wouldn't that be the case regardless of
7 what methodology is used?

8 MR. ALASTAIR FOGG: Yeah, and sorry,
9 that's -- Vice-Chair Kapitany, that's -- that's what I
10 meant as -- regardless of selection and even the
11 question of componentization, we'll regularly need to
12 do studies to look at asset health, asset lives and --
13 and update components on an ongoing basis. It's -- it
14 will be an ongoing activity.

15 VICE-CHAIR KAPITANY: Thank you.

16 THE CHAIRPERSON: Ms. Bellringer...?

17 BOARD MEMBER BELLRINGER: Morning.
18 Thank you for that. I've got a couple of questions
19 and I know that a number of them will end up coming
20 out again in other presentations, so I won't go
21 through everything.

22 But, a couple of -- one of the main
23 ones that I'm trying to wrap my head around, can you
24 explain, like -- under your current -- like last
25 year's financial statements indicated depreciation

1 calculated on an ELG basis, but it also included the
2 deferral account, that in effect, brought it to ASL.

3 So, what I'm not understanding -- I'm -
4 - I'm understanding from your slides, if you could
5 just confirm this, that the current -- the current
6 systems, SAP and other systems that are backing all of
7 this up, are recorded on an ELG basis.

8 MS. MICHELLE HOOPER: Yes, that's
9 correct.

10 BOARD MEMBER BELLRINGER: And that --
11 so how do you do the adjustment in the financial
12 statements to show the deferral that takes it, in
13 effect, back I'm -- I'm assuming to the C-GAAP A --
14 ALG?

15 MS. MICHELLE HOOPER: We do
16 calculations in spreadsheets to basically unwind the
17 depreciation rate charged under ELG and apply an ALG
18 depreciation rate instead and then book the difference
19 in -- as a regulatory deferral addition.

20 BOARD MEMBER BELLRINGER: Okay. Thank
21 you. When I -- so you have the data, I'm assuming,
22 but if you could confirm this as well, to -- if you
23 were to say, record it on an ALG basis, that you've
24 got that data, but it's in a spreadsheet, you'd have
25 to still adjust SAP to reflect what's currently being

1 adjusted through SAP plus spreadsheet.

2 Is that -- is that the -- the mechanism
3 that we're talking about?

4 MS. MICHELLE HOOPER: The calculation
5 that we're doing to book that assumes identical
6 componentization as we used for C-GAAP.

7 Our opinion is that that level of
8 componentization under A -- ALG is not sufficient to
9 meet IFRS requirements. So, in order to apply an IFRS
10 compliant methodology, we would need to increase the
11 componentization.

12 So, the implementation effort would be
13 splitting apart our assets within SAP and it -- within
14 our capital projects to the level of componentization
15 needed to comply with IFRS.

16 BOARD MEMBER BELLRINGER: Okay. I'm
17 still -- I'm still a bit confused. So, I'm going to
18 have to ask a couple more on this one.

19 Okay, so -- the -- the financial
20 statements are in compliance with IFRS currently.

21 MS. MICHELLE HOOPER: Yes.

22 BOARD MEMBER BELLRINGER: And it's
23 showing it net at the level of componentization that
24 was in C-GAAP.

25 MS. MICHELLE HOOPER: After regulatory

1 deferral. So, with -- with IFRS-14, you have this
2 kind of above the line versus below the line. So you
3 have to be fully compliant with IFRS first, and then
4 once you've applied all of the IFRS standards, you can
5 adjust for differences resulting from rate regulation
6 and that's done in a separate section on the income
7 statement.

8 So, our depreciation expense in our
9 depreciation expense line of our income statement is
10 ELG IFR -- and is IFRS compliant and then we adjust,
11 kind of below the line in net movement to alter that
12 depreciation expense to what it would have been under
13 C-GAAP previous -- prior to our implementation of
14 IFRS.

15 BOARD MEMBER BELLRINGER: So, the --
16 and -- and I -- because that deferral -- the deferral
17 account had not yet gone through the regulatory
18 process and the Board hasn't approved it, for
19 financial statement reporting purposes, I read it as
20 the depreciation in the statements is basically the
21 net number. Is that your interpretation as well?

22 MS. MICHELLE HOOPER: Ultimately, yes,
23 but we feel that it's confusing for the -- the reader
24 to have that adjustment and we would like to
25 discontinue the off-line calculations, if possible,

1 and resolve the issue.

2 The regulatory deferral hasn't been
3 approved by the Board yet, but they have -- they're
4 well aware of it and our understanding from past Board
5 Orders, is there is an intent to opine on this and
6 resolve the issue at some point, which is how we
7 justify capturing that deferral account.

8 BOARD MEMBER BELLRINGER: Okay.
9 Thanks. I -- I think I've got enough information to
10 understand what the impact would be on the accounting.

11 The other -- the other question and,
12 again, I'm sure this will come up again because we
13 have been talking about it before, is the comparisons.

14 And in -- it was, I believe, slide 7 in
15 your deck, that lists a number of utilities that are
16 using -- yeah, slide 7, who's using ALG, who's using
17 ELG and it's -- the numbers on this chart are a lot
18 larger applying ELG than we have seen previously.

19 Can you provide us with a list of the
20 entities you used to create that graph?

21 MS. MICHELLE HOOPER: That's shown in
22 the response to PUB/MH Round 2, Question 37. There's
23 a --

24 BOARD MEMBER BELLRINGER: It's got all
25 the -- all the -- thank you very much.

1 THE CHAIRPERSON: So, I've got a
2 couple of questions, following up on Ms. Bellringer.
3 If we could go to Screen 12. I'm going to come back
4 to this screen, but I want 12 first.

5 So, five (5) out of nine (9) Canadian
6 electric utilities -- so, are you -- I'm -- I'm trying
7 to understand, are there nine (9) Canadian electric
8 utilities or are there are nine (9) Canadian electric
9 -- electric utilities reporting under I -- IFRS, using
10 AL -- ELG?

11 MS. MICHELLE HOOPER: Okay. That is
12 also from the response to PUB/MH 2-37.

13 So, the research that was done looked
14 just at the predominant utilities of -- if you just go
15 to the second page of it.

16 THE CHAIRPERSON: Yeah. That's what I
17 --

18 MS. MICHELLE HOOPER: It looks at the
19 predominant utilities in each -- in each province so,
20 it doesn't include the local distribution companies.
21 So, if you -- if you could just page down --

22 THE CHAIRPERSON: Yeah.

23 MS. MICHELLE HOOPER: To the next
24 page?

25 THE CHAIRPERSON: Yeah. Yeah.

1 MS. MICHELLE HOOPER: So, there is the
2 list of all of the -- the predominant utilities, so
3 which ones have been included. The very last line,
4 for Yukon Energy, should state that it's IFRS
5 accounting standards. That's just an oversight in
6 preparation of that document.

7 THE CHAIRPERSON: Okay. Can you just
8 hold on this screen for a second.

9
10 (BRIEF PAUSE)

11
12 THE CHAIRPERSON: Okay. So, in
13 Alberta, those are all private companies. Correct?

14 MS. MICHELLE HOOPER: That's my
15 understanding. Yes.

16 THE CHAIRPERSON: Yeah. So, the --
17 the -- if I could call them the Crowns, which are B.C.
18 -- yeah, I was going to say Quebec. I know there's
19 tough -- it's -- it is difficult to find the
20 information about Quebec -- sorry -- BC is ALG and --
21 and I noticed New Brunswick is ELG.

22 Now, New Brunswick is -- is not, for
23 the most part, hydroelectric, is it?

24 MS. MICHELLE HOOPER: No.

25 THE CHAIRPERSON: It's nuclear, plus

1 fossil fuel, for the most part.

2 MS. MICHELLE HOOPER: That's my
3 understanding.

4 THE CHAIRPERSON: Yeah.

5 MS. MICHELLE HOOPER: Just to clarify,
6 BC Hydro does not use ALG. They use a unit accounting
7 for individual unit accounting.

8 THE CHAIRPERSON: Okay. So -- oh, I
9 see. Fortis is the one with ALG.

10 MS. MICHELLE HOOPER: Yes.

11 THE CHAIRPERSON: Okay. The ones for
12 Screen 12, when you're saying they re -- they report
13 under IFRS, are they using ELG for rate-setting
14 purposes, as well, or just for the reporting -- the
15 IFRS purposes?

16 MS. MICHELLE HOOPER: That -- that is
17 our understanding. We -- from our research --

18 THE CHAIRPERSON: Sor -- sorry. It --
19 It's your understanding that they use it for rate-
20 setting purposes?

21 MS. MICHELLE HOOPER: Yes.

22 THE CHAIRPERSON: Okay.

23 MS. MICHELLE HOOPER: Based on our
24 research, Manitoba Hydro is the only utility that
25 we're aware of that uses a different accounting

1 standard for PP&E for purposes of regulatory versus
2 financial reporting.

3 THE CHAIRPERSON: Okay. And, then, if
4 you can go to page 7, under the 'All Utilities', the
5 eight (8) there are -- these are electric utilities,
6 the eight (8)?

7 MS. MICHELLE HOOPER: That's the
8 utilities listed on -- on the chart that you just --

9 THE CHAIRPERSON: That's 37.

10 MS. MICHELLE HOOPER: -- looked at --

11 THE CHAIRPERSON: Yep. Okay. Thank
12 you.

13 MS. MICHELLE HOOPER: -- including
14 Manitoba Hydro.

15 THE CHAIRPERSON: Yes.

16 MS. MICHELLE HOOPER: So, we --

17 THE CHAIRPERSON: Yes.

18 MS. MICHELLE: We've not included
19 Manitoba Hydro in those charts.

20 THE CHAIRPERSON: Yep. Okay. Thank
21 you very much. Thank you very much for the
22 presentation. Want to take a break?

23 We're taking a break now for --
24 something in my head was telling me we're taking a
25 break. So, we'll come back at 25 to 11:00. Thank

1 you.

2

3 --- Upon recessing at 10:20 a.m.

4 --- Upon resuming at 10:38 a.m.

5

6 THE CHAIRPERSON: Thank you. Mr.

7 Madsen...?

8 MR. ANTOINE HACAULT: Sorry, Mr.

9 Chair. Before we proceed -- it's Mr. Hacault here. I

10 -- we'll see where it goes, but I see that Mr. Dane

11 Watson is sitting at the front on the witness panel.

12 That wasn't our understanding of who

13 was going to be sitting on the evidence panel. I

14 didn't prepare for cross-examination. I don't know

15 where it's going to go.

16 I -- though -- it just came as a

17 surprise to me that Mr. Watson -- it doesn't mean that

18 the Board shouldn't get proper information, but I

19 didn't prepare for this and I was quite surprised that

20 he got sworn in and now he's at the -- on the front

21 with everybody else.

22 I thought it was just going to be the

23 depreciation issues people that were going -- that

24 participated in the document. So, I'm just putting it

25 on the record.

1 THE CHAIRPERSON: I'm -- I'm sure you
2 can adjust, Mr. Hacault. Mr. Madsen...?

3

4 GSS/GSM - PRESENTATION BY MR. DUSTIN MADSEN:

5 MR. DUSTIN MADSEN: Thank you. Good
6 morning, everyone. Thank you for having me back
7 again. So, I'm going to try and be as brief as I can
8 to save us some time.

9 THE CHAIRPERSON: Sorry, before you
10 begin, are we -- what do you mean, this is in as an
11 exhibit?

12

13 (BRIEF PAUSE)

14

15 MR. THOMAS REIMER: Pardon me, Mr.
16 Chair. Thomas Reimer here. Yes, I -- if it could be
17 marked as GSS/GSN Exhibit 8?

18 THE CHAIRPERSON: Thank you.

19 MR. THOMAS REIMER: Thank you.

20

21 --- EXHIBIT NO. GSS/GSN 8: Dustin Madsen - Emrydia -
22 Depreciation evidence
23 presentation - June 5,
24 2023.

25

1 MR. DUSTIN MADSEN: No, worries, sir.
2 Thank you. So, this slide here just kind of
3 summarizes my depreciation experience. I don't plan
4 to go into any significant detail on it. I -- I have
5 both in-house and out-of-house expertise in
6 depreciation.

7 I have worked for utilities, consumer
8 groups, and regulators on the issue. I am actively
9 involved the Society of Depreciation Professionals,
10 and -- and I just have a general -- generalized
11 passion for depreciation expense, as we all found out
12 on Friday.

13 So, I won't go anywhere on this slide
14 3. If we move actually just to slide 5 because Mr.
15 Innis did an excellent job of summarizing the process.

16 So, the IFRS requirements for
17 depreciation expenses. The depreciation expense is an
18 estimate. IFRS is not prescriptive on the
19 requirements to determine depreciation expense.

20 Professional judgment, as in all
21 things, is required and indeed expected in calculating
22 your depreciation expense estimate. IFRS and Canadian
23 GAAP are generally aligned in the definition of
24 'depreciation expense'. While IFRS did include some
25 additional guidance around componentization, nothing

1 under Canadian GAAP prohibited additional levels of
2 componentization, if that was your estimate.

3 The concept of componentization under
4 IFRS stems from IAS-16 (phonetic), which is the
5 Property Planting Equipment Standard and it's
6 paragraph 43, and it states:

7 "Each part of an item of property,
8 plant, and equipment with a cost
9 that is significant in relation to
10 the total cost of the item shall be
11 depreciated separately."

12 You'll see in this -- in this wording
13 here there's -- there's no definition of
14 'significance'. There's no quantification as to what
15 that amount means. It's judgment based. And in my
16 mind, goes to the materiality of the change relative
17 to the overall financial statements.

18 And -- and in principle, why that's
19 relevant is, IFRS remains a practical set of
20 standards. And by that I mean IFRS is not trying to
21 have accountants -- have armies of accountants
22 accounting for the most intricate detail of a
23 transaction, right?

24 It needs to be implementable and
25 practical. So, the intent is that the level of

1 componentization wouldn't be hamstringing an entity
2 from being able to continue with its ordinary
3 operations on a day-to-day basis. That would be
4 counterintuitive, especially where it's immaterial.

5 Gains and losses are expensed, but
6 judgment is required in the determination of whether
7 or not a gain or loss has actually been recognized or
8 quantified.

9 My recommendation in this area is -- is
10 that both ALG and ELG are IFRS compliant and -- and by
11 that I mean the ALG calculations that were performed
12 by Concentric in the ELG-compliant depreciation study
13 are also IFRS compliant at that level of
14 componentization, as is the original IFRS C-GAAP call
15 it calculations.

16 I would also consider under ASL to be
17 IFRS compliant. There's judgment required, but
18 nothing within any of those amounts causes me concern
19 that there would be a violation of this standard under
20 IFRS, which is IAS 16.43. Moving to the next slide.

21 Just briefly again -- other parties
22 have already touched on this. ELG versus ALG, which
23 procedure is best? Fundamentally, both procedures
24 recognize the same amount of depreciation expense over
25 the life of the assets. I don't think that's in

1 dispute.

2 When asset accounts for growing, ELG
3 will realize a greater depreciation expense than ALG,
4 and vice versa. So if asset accounts are starting to
5 decline over time, ALG should result in a lower depre
6 -- or a higher depreciation expense relative to ELG.
7 So business growing, higher under ELG. Business
8 shrinking, higher under ALG.

9 The parties agree that both procedures
10 are acceptable and IFRS compliant, and the ALG -- this
11 is my recommendation -- the ALG procedure provides for
12 a more balanced collection of costs over the life of
13 the assets, and can potentially avoid the over-
14 collection of costs where future life extension is
15 possible.

16 Componentization. Is additional
17 componentization required for Manitoba Hydro to comply
18 with IFRS? My opinion is no.

19 Would additional componentization
20 result in a significant change in depreciation expense
21 for the individual items of property, plant, and
22 equipment as determined under IFRS? Again, my opinion
23 is no.

24 Is there a benefit to refining
25 componentization levels each test period? And the

1 answer to that is yes. IFRS requires depreciation
2 expense to be assessed annually, and refinement is
3 appropriate.

4 And as we've heard from Manitoba Hydro,
5 that effort and that assessment is done under ELG,
6 it's done under ALG, it's done regardless of which
7 depreciation procedure you utilized.

8 Is the level of componentization as
9 proposed in the Alliance depreciation study necessary
10 to comply with IFRS? And once again, no.

11 Our recommendation is the existing
12 level of componentization as proposed in the
13 Concentric study is sufficient under ELG or ALG. I am
14 supportive of modifications, as required by IFRS, and
15 that is, for example, where there is clear evidence
16 that there is a significant change in a component --
17 in an asset.

18 So let's -- let's consider it -- give
19 an example. So let's assume you have an asset with a
20 fifty (50) year life, and that -- and it's worth --
21 and it's a billion dollars in costs, and it's
22 amortized over fifty (50) years.

23 If there's a sub-component of that
24 asset which has \$500 million of that cost and it has a
25 twenty-five (25) year life and the remaining \$500

1 million still has a fifty (50) year life, there's
2 likely a material difference in that individual
3 component because the average depreciation expense
4 over those two (2) \$500 million components varies
5 significantly from the existing fifty (50) year life.

6 And I -- I can walk back through that a
7 bit more but, in that situation, you've got both a
8 significant account balance -- for example, over a
9 billion dollars -- and you've got a significant
10 difference in the -- the average life of two (2)
11 components of that asset.

12 In that case, componentization may be
13 appropriate, particularly because it would be material
14 to that account. My question in that would be: Then
15 it likely should have been componentized under ELG.
16 It would also likely have been componentized under
17 ALG. That type of an issue is -- that type of a
18 difference is something you would expect to see,
19 again, regardless of the depreciation procedure used.

20 All right. So I'm not going to talk
21 too much about this: whole life versus remaining life.
22 All parties agree that the whole-life technique is the
23 appropriate technique to apply for Manitoba Hydro.
24 There's no dispute.

25 Just fundamentally -- I'll touch on

1 this briefly -- the -- the calculations are over here
2 on the right. The -- the calculations appear
3 different, but ultimately, what's being done is the
4 same thing. It's just taking a different denominator
5 in one calculation and -- and adjusting the numerator
6 in -- in the calculation as well.

7 So -- but the end result, fundamentally
8 it's the same formula, just achieving a different
9 thing.

10 Overall, though, the whole-life
11 procedure is, in my mind, a bit easier to understand.
12 It provides for the remaining amortization of any what
13 they call reserve -- reserve account balances over the
14 remaining life of the assets. It's clearer. It's --
15 it's more transparent and, in my mind, for this Board,
16 it's also more commonly used in Canada. Next slide
17 here.

18 Again just very briefly, determination
19 of gains and losses. The key here is that there's
20 judgment required in determining the amount of gains
21 or losses under either ALG or ELG. I've seen it done
22 a number of different ways depending on the utility,
23 including under ELG it's been done differently and
24 under ALG it's been done differently. And it can
25 significantly change the quantum.

1 Deferral treatment of gains and losses,
2 regardless of the procedure used is, in my mind
3 appropriate because it helps to -- fundamentally, any
4 gain or loss recognized on a group account is
5 representative of the depreciation estimate not
6 providing the best and most accurate consumption of
7 that asset over its life.

8 So the -- the better way to address any
9 gains or losses, if you have them, is to take that
10 amount and re-amortize it over the remaining assets --
11 remaining life of the assets in that account so it
12 begins to more mimic the actual correction of that
13 depreciation expense over time.

14 And ultimately, I think the PUB should
15 consider, regardless of which procedure is chosen in a
16 future GRA, to revisit maybe the calculation of gains
17 and losses in a bit more detail as -- as there could
18 be some significant differences that might arise in
19 the future.

20 Finally, I just want to talk about
21 implementation costs and efficiencies, and hopefully
22 I'm not over my time. Aligning financial and regular
23 reporting will save costs. We -- we've heard from
24 Manitoba Hydro today that the approach to -- so they
25 have ELG, the ELG procedure, within their SAP system.

1 And then they have to now go through
2 and do a -- what I would assume is not an
3 uncomplicated process of using Excel spreadsheets to
4 calculate the ALG base rates and reconcile all of
5 those amounts and report them to the Board and explain
6 them in their financial statements and understand the
7 gain and loss differences on a whole bunch of
8 different accounts.

9 This is done at a very detailed level.
10 That effort, if you move to alternative 2, which is to
11 align both IFRS -- so financial reporting inventory
12 under the ALG procedure, disappears. You don't have
13 that effort any further. It's -- it's gone. You
14 don't have to do this detailed reconciliation.

15 And -- and as Ms. Hooper testified
16 today as well, the ELG procedure is more complex than
17 the ALG procedure. It's -- it's complex in the
18 calculations, but if you move to an ALG procedure, you
19 come to a less complex calculation, a more simply
20 understood calculation that is potentially easier to
21 implement -- forward.

22 All of this should reduce Manitoba
23 Hydro's costs by transitioning by ALG, not increase
24 Manitoba's -- Manitoba Hydro's costs. I appreciate
25 there are some one (1) time transition costs to

1 implement some additional componentization. Again, in
2 my mind, none is required.

3 There probably would be some minor
4 adjustments. We're not -- I don't think we're talking
5 about adding a hundred (100) additional accounts.
6 That's not what we're looking at -- or -- or four
7 hundred (400) or three hundred (300). We're talking
8 about the significant accounts that should be added.

9 And if you're adding two (2) or three
10 (3) or four (4) major new accounts that are truly
11 required to be componentized, that's not going to add
12 a significant amount of costs to your -- your front-
13 end staff to track those additional components for
14 those specific assets. It's not going to change the
15 fundamental nature of Manitoba Hydro's business.

16 So fundamentally, I disagree with --
17 that Manitoba Hydro requires incremental FTEs if the
18 ALG procedure is approved. Indeed, I would suggest
19 that it's a simplified -- simple exercise to do some
20 additional componentization.

21 It should be achievable quickly, and
22 there should be very minimal incremental costs, if
23 any. There might even be savings. I strongly suggest
24 there are likely going to be savings.

25 Reporting two (2) different

1 depreciation calculations and reconciling the same is
2 the status quo, and in my mind, would be just more
3 onerous than alignment of the calculations, as I
4 propose.

5 So my recommendation on this area is
6 just do not approve any incremental revenues. And I
7 appreciate Manitoba Hydro has not quantified what
8 those would be, but I would also strongly suggest the
9 PUB might want to send the direction that it would
10 expect savings as a result of this. If alternative 2
11 is approved, I would expect savings from that change.

12 That's my presentation. Thank you.

13 THE CHAIRPERSON: Thank you. I'll ask
14 the Panel if they have any questions. Yes, Ms.
15 Kapitany...?

16 VICE-CHAIR KAPITANY: Mr. Madsen, I'm
17 just still on your side 10, so perfect.

18 Have you had experience with a utility
19 that has had a different -- for rate setting and for
20 financial reporting?

21 MR. DUSTIN MADSEN: No. Manitoba
22 Hydro is the first. So, it's highly unusual.

23 So, in my mind, the -- the PUB
24 establishes the revenues -- actually establish the
25 revenues that a utility is permitted to recover, and

1 the revenues include the depreciation expense.

2 Fundamentally, that establishes the
3 economic life and the economic recovery of those
4 assets over a period of time.

5 In -- in all other jurisdictions that
6 I've been in, the reason why there's always alignment
7 between financial reporting and regulatory reporting
8 is because that decision of the regulator has a lot of
9 weight, has a lot of weight to the accountants and has
10 a lot of weight to the auditors.

11 So, if the -- put it down to a simple
12 example. If the -- if the PUB approves a life of ten
13 (10) years for a simple asset, let's call it a truck,
14 and that truck is covered over a ten (10) year period
15 and that's the -- that's the strict profile of the --
16 the cost. It'll be one dollar (\$1) each year for ten
17 (10) years.

18 If Manitoba Hydro says, no, we think
19 it's eight (8) years, well, that -- that might be what
20 Manitoba Hydro views as the useful life, but it
21 doesn't change the fact that the actual depreciation
22 expense, that economic life of the asset, is ten (10)
23 years.

24 And I think that that is an important
25 distinction. And economic life is a concept that is

1 inherent within the -- the amortization expense, or
2 depreciation expense, fundamentally is the consumption
3 of the future economic benefits of the asset over
4 time.

5 So, those concepts in my mind are --
6 are linked; that's why I have not seen that.

7 VICE-CHAIR KAPITANY: So, that's
8 really helpful. I was just curious, though, if you
9 hadn't had experience with a utility that's had to
10 make this change, how you came to -- incremental FTEs
11 required to do this.

12 MR. DUSTIN MADSEN: The -- the reason
13 is, is because -- let me put it this way. So, when I
14 was back at Fortis Alberta, we were assessing the what
15 ifs.

16 So, when we were looking at the
17 depreciation impacts, and this is again linked to --
18 what if the regulator approved a different
19 depreciation methodology than we're asking for, and
20 that would result in -- and then -- then we could
21 justify to our auditors, what if that happened. It
22 never did.

23 But we started looking at the -- the
24 costs of tracking two (2) systems, and the -- so --
25 which is what Manitoba Hydro does. And we presented -

1 - we had -- let me give you an example.

2 A bunch of the utilities in Alberta
3 when I was with those utilities presented to the
4 Alberta Utilities Commission at the time -- and all
5 parties agreed that the maintenance of two (2) sets of
6 books for fixed assets is very, very costly, very,
7 very complex.

8 If you try to internalize that into a
9 system, you have dual sets of books in an SAP system
10 which is very expensive to do. Tracking it outside is
11 very expensive to do.

12 So, I guess fundamentally my -- my
13 recommendation is based on two (2) points: 1) what --
14 what Manitoba Hydro's currently doing no other parties
15 do, and we understood it to be very expenses and would
16 take a lot of effort. That's the status quo.

17 And 2), I don't believe that
18 transitioning to Alternative 2 would require
19 significant additional componentization. And for that
20 reason, if it doesn't require significant additional
21 componentization, you're not touching the systems very
22 much and you're not fundamentally changing the work
23 that the people on the frontline do, so you shouldn't
24 have a significant change in effort.

25 VICE-CHAIR KAPITANY: So, that's

1 helpful, too. And so, now, Mr. -- Mr. Hombach, I'm
2 not sure if I'm allowed to ask this question or not,
3 so if I'm not, please stop me because this is asking
4 Mr. Madsen a question about something that Manitoba
5 Hydro said. Is that okay?

6 MR. SVEN HOMBACH: I think that is
7 fair game.

8 VICE-CHAIR KAPITANY: Okay. Thank
9 you. So, Mr. Madsen, I believe it was Ms. Hooper that
10 said it would take several years to implement this and
11 that it wouldn't be done until April 1st, 2026.

12 So, I mean, that implies to me, like, a
13 time frame where there would be effort involved. But
14 I just wondered if you had any comment on that time
15 frame?

16 MR. DUSTIN MADSEN: Yes. I -- I
17 can't, in my mind, see what would be done over what
18 would be closing in on roughly three (3) years of time
19 to do this -- to do this effort.

20 So, I would envision it as -- as this:
21 You would have the Board's direction to go to the ALG
22 procedure. You would then -- an IFRS compliant ALG
23 procedure into a line financial reporting and
24 regulatory books.

25 You would then go through a

1 componentization exercise which presumably -- well,
2 which was done in the ELG study for Concentric -- not
3 presumably; it -- it was done.

4 You would maybe go through an
5 additional componentization exercise focussing
6 strictly on those material changes. And, in my mind,
7 given there are already hundreds of accounts for
8 Manitoba Hydro, I mean, how many more accounts can you
9 add to get to a material change? I mean, how many
10 would result in a material change? And I -- I can't
11 imagine that there would be any.

12 And to be clear, the -- the ALG
13 procedure is -- is not supposed to be componentized
14 down to a level, simply that it results in the same
15 depreciation expense that the ELG procedure does. The
16 two (2) procedures are entirely different, and they're
17 intended to be different.

18 And many utilities operate at a similar
19 level of componentization under ALG as they do under -
20 - as those that do under ELG. So, you don't need to
21 make ALG equal ELG, which is effectively what the
22 Alliance consulting study achieves, is to make a ALG
23 achieve the ELG result. You don't need to do that.

24 So, if you're talking about a few
25 components, and then implementing that, I mean, it

1 should be done before the end of June, but it wouldn't
2 take -- it certainly wouldn't take a significant
3 amount of effort.

4 If you're talking about a couple of
5 components to which I -- I can't really identify what
6 those would be, it would be lesser effort than is
7 being forecast.

8 VICE-CHAIR KAPITANY: Thank you.

9 THE CHAIRPERSON: All right. Ms.
10 Bellringer...?

11 BOARD MEMBER BELLRINGER: Thank you.
12 Thank you, Mr. Madsen. So, my understanding is you've
13 supported Alternative 2. Is that correct?

14 MR. DUSTIN MADSEN: That is correct.

15 BOARD MEMBER BELLRINGER: And do you
16 disagree with Alternative 1 or was 2 a preference?

17 MR. DUSTIN MADSEN: Alternative 1 and
18 2 both address the six (6) issues that were within the
19 scope of the -- the Board's -- scope of the issues
20 that were to be discussed.

21 I disagree with Alternative 1 though
22 because the ELG procedure's not required to -- to make
23 that -- to make that change. The ALG procedure is
24 acceptable for IFRS. It's an acceptable procedure.
25 It's easy to implement, easy to understand, and it

1 provides for, in my mind, a reasonable estimate of
2 depreciation expense over the life of the assets.

3 BOARD MEMBER BELLRINGER: So -- okay.
4 Thank you. The -- sorry. The other component that I
5 didn't hear in your description of the alternatives,
6 did you look up -- did you look at the true-up and do
7 you have a position on that?

8 MR. DUSTIN MADSEN: The -- the true-up
9 being the -- the deferral account balance?

10 BOARD MEMBER BELLRINGER: Well, it's -
11 - no, it's what -- I mean, yes, it impacts -- it
12 impacts gains and losses that impacts the deferral
13 account.

14 I mean, at the end of the day, it
15 impacts the depreciation number net, and it's the
16 adjustment to -- from the 2019 depreciation study to
17 take into account, if you will, and I'm using, like,
18 quick language that doesn't describe it completely,
19 the over depreciation to date, and it's about 40
20 million a year currently under ASL.

21 I mean, if you didn't look at it,
22 that's fine. I'm just wondering if you did and if you
23 had a position on it.

24 MR. DUSTIN MADSEN: I did. I think
25 that's the accumulated variance of -- I believe it's

1 \$1.2 billion year to date that's being amortized. I
2 would recommend you continue to amortize that balance
3 over the expected remaining life of the assets.

4 If you convert to the ALG procedure,
5 that remains a viable solution. And then that balance
6 would just be recalculated and reset at each -- next
7 future GRA and depreciation study. But I would accept
8 that that would be continued; it wouldn't be --
9 wouldn't be adjusted.

10 THE CHAIRPERSON: Mr. Madsen, I'm just
11 wondering how many utilities have you looked at
12 further depreciation models?

13 MR. DUSTIN MADSEN: Quite a few, off
14 the top of my head. Everyone in Alberta, Northwest
15 Territories, New Brunswick, Ontario, and here in
16 Manitoba, so one (1) or two (2) -- one (1) in Ontario
17 --

18 THE CHAIRPERSON: Okay.

19 MR. DUSTIN MADSEN: -- and then here
20 in Manitoba.

21 THE CHAIRPERSON: So, if you've done
22 Alberta, according to the list, the Alberta -- as I
23 understand it, the Alberta utilities on that exhibit
24 use ELG?

25 MR. DUSTIN MADSEN: That's correct.

1 Mr. Kennedy, who did the study for Manitoba Hydro, is
2 the -- generally the expert that does all of the
3 depreciation studies for the utilities in Alberta, as
4 well.

5 THE CHAIRPERSON: Okay. For the
6 utilities that you saw that use ELG, do they use the
7 same level of componentization?

8 MR. DUSTIN MADSEN: No, they do not.
9 ELG -- sorry. As -- as Manitoba Hydro's currently
10 using in the Concentric study?

11 THE CHAIRPERSON: Yes.

12 MR. DUSTIN MADSEN: Yes, the --
13 relatively consistent with that level of
14 componentization. So, I can give you some examples.
15 But for an integrated utility, the -- the level of
16 componentization being recommended in Concentric study
17 under ELGs is again relatively consistent.

18 You're -- you're talking about
19 componentizing your steel poles, your wooden poles,
20 your various generation facilities by the -- the
21 significant assets that are included within them.

22 But it's -- it's -- I think that's a
23 reasonable level of componentization as a starting
24 point --

25 THE CHAIRPERSON: And -- and how many

1 categories is that?

2 MR. DUSTIN MADSEN: Pardon me?

3 THE CHAIRPERSON: Concentric; how many
4 categories?

5 MR. DUSTIN MADSEN: I'm going to --
6 it's around three hundred (300).

7 THE CHAIRPERSON: Okay.

8 MR. DUSTIN MADSEN: I forget the exact
9 number. It's less than the seven hundred (700) that
10 was being proposed in the Alliance study. It's around
11 three hundred (300) accounts.

12 THE CHAIRPERSON: Okay. And what --
13 do you have a comment on moving from three --
14 approximately three hundred (300) to seven hundred
15 (700)?

16 MR. DUSTIN MADSEN: Yes. I would not
17 recommend doing that. Seven hundred (700) would put
18 Manitoba Hydro at a level of componentization that I
19 simply have not seen.

20 I think BC Hydro was the next highest,
21 and they were in the high three hundreds.

22 THE CHAIRPERSON: Okay. And the
23 Alberta ones using ELG would be approximately what in
24 terms of --

25 MR. DUSTIN MADSEN: Not even --

1 THE CHAIRPERSON: -- componentization?

2 MR. DUSTIN MADSEN: Not even above a
3 hundred.

4 THE CHAIRPERSON: Okay.

5 MR. DUSTIN MADSEN: But in -- in all
6 fairness, sir, the Alberta utilities are distribution
7 or transmission utilities --

8 THE CHAIRPERSON: Right.

9 MR. DUSTIN MADSEN: -- so, they -- but
10 it's -- it's less than a hundred, I would assume.

11 THE CHAIRPERSON: Yeah. Okay. Thank
12 you. Thank you, Mr. Madsen.

13 MR. DUSTIN MADSEN: You're very
14 welcome.

15 THE CHAIRPERSON: Mr. Bowman...?

16

17 MIPUG - PRESENTATION BY MR. PATRICK BOWMAN:

18 MR. PATRICK BOWMAN: Good morning, Mr.
19 Chair, Madam Vice-Chair, members of the Board. I
20 guess I'm on cleanup today.

21 Pleased to be here to deal with the
22 exciting topic of depreciation. Sorry to say it's
23 not a passion of mine. It's just a necessary part of
24 setting just and reasonable rates, which is where I
25 have practiced most of my career.

1 I also should note at the outset, I am
2 not an accountant. And so, to the extent that there
3 are comments on IFRS, which you will probably find
4 few, those are not -- from the perspective of anyone
5 who has a background or training in reading the IFRS
6 standards, that is not where I -- where I work.

7 And you will note that in the document
8 -- depreciation issues documents, I have avoided
9 taking a position on what was IFRS complaint and what
10 was not.

11 THE CHAIRPERSON: Sorry to interrupt
12 you, Mr. Bowman. Just so we don't forget -- screw up
13 numbers, if we could have this marked as an exhibit.

14 MR. ANTOINE HACAULT: Ms. Schubert, I
15 believe it's MIPUG-15.

16
17 --- EXHIBIT NO. MIPUG-15: Patrick Bowman
18 depreciation presentation
19 - June 5, 2023

20
21 THE CHAIRPERSON: Thank you, Mr.
22 Bowman.

23 MR. PATRICK BOWMAN: Thank you. I
24 will also note that I have evidence with my resume
25 filed as MIPUG Exhibit 6. I understand we'll be going

1 over that on Friday, so I didn't intend to deal with
2 that this morning.

3 I will note, for the record, that I
4 have been involved in the issues of Manitoba Hydro's
5 depreciation since the 2012 proceeding where this
6 first became a significant issue. I was also in the
7 2015 proceeding with Pat Lee (phonetic). The two of
8 us dealing with depreciation matters. And -- and to
9 the extent that it arose in the 2017 GRA, the -- you
10 know, 2015 was still a long time ago. There's been a
11 lot of ink spilled on this topic.

12 I think there is the opportunity for
13 resolution available in this proceeding. You'll note
14 that the approach I recommend comes up with a full and
15 final recommendation and decision on all substantive
16 matters, even though implementation will take some
17 period. Whether that's 2026 or whatever it is, it is
18 the -- in my submission, the next GRA. There is some
19 -- some steps that Hydro will need to go through.
20 They wouldn't be able to walk out of this room using
21 the alternative 2, as I recommend, and implement it
22 tomorrow. And I accept that conclusion of Hydro.

23 I also just want to note at the outset,
24 this process has been unusual. It has been extremely
25 cooperative. I give credit to the parties who

1 participated in it and I will say it's a significant
2 change from the way we approached this topic in 2012
3 and 2015. And I think credit is due in -- in that
4 regard.

5 I'll also note that as a depreciation
6 matter, although we're sitting here today discussing
7 matters of depreciation and methods, that is generally
8 the minority of issues that most people deal with in a
9 depreciation proceeding.

10 Most of the time you're sitting talking
11 about depreciation, it's about the lives of an account
12 or the actuarial analysis or the, you know, types of -
13 - whether you should be using a rolling band or a
14 shrinking band or excluding the 1997 assets because
15 they're not the same as the current ones. That's
16 usually where the focus is.

17 The -- the procedures and methods we're
18 talking about today are much more aligned with the
19 outcome of trying to arrive at just and reasonable
20 rates. Just put that out for the record and say, you
21 know, I've -- since the last time I was here, I think
22 I've been in nineteen (19) hearings dealing with
23 depreciation but methods is -- is only at issue
24 occasionally.

25 Currently, there is a proceeding before

1 the Ontario Energy Board for Enbridge Pipelines trying
2 to convert to ELG. And that -- that's probably the
3 most recent example I'm aware of that people actually
4 debate some of the things we're talking about here.

5 Flipping to the second slide, I
6 summarized my introductory comments there. I will
7 come back to this at the end, but I didn't want to --
8 want to withhold the -- the surprise ending.

9 Alternative 2 is the recommended
10 approach and, in my submission, it still has steps
11 needed to implement it. I do agree with the comments
12 of Mr. Rainkie in the report that the Board does not
13 have perfect information on what alternative 2 looks
14 like. There's still steps to figure out what exact
15 components will be implemented.

16 And when we look forward on the twenty
17 (20) year horizon, we are taking today's rates and
18 just applying those year after year for the twenty
19 (20) years. Of course, those will be recalculated as
20 we go along.

21 And to some degree, that recalculation
22 will depend on the initial decisions we make. And
23 I'll come back to that.

24 But alternative 2, I would submit we
25 have enough information to make that decision today

1 and proceed with alternative 2.

2 I will go through the remainder of
3 these comments as I proceed through the presentation.
4 Moving to the third slide, I wanted to note that, in
5 my submission, the key issue for today is the --
6 what's cited as issue 2 as the procedure to be used.
7 ELG versus average service life -- or average life
8 group.

9 I note that this issue has been
10 situated in this proceeding and in past Hydro
11 proceedings in amongst a number of considerations,
12 which were cited as issue 4 and issue 5, as well as a
13 debate about the merits of the two (2) procedures.

14 And under the heading of 'Merits', we
15 also have the consideration of peers and practice
16 across the country and across North America.

17 On issue 4 is on componentization that
18 I'll have some comments.

19 And on issue 5, the treatments of gains
20 and losses, which I have put in -- in quotes for
21 obvious reasons as we go through this. It is also a
22 key issue, but they are key in the extent that they
23 inform the ultimate decision about ELG vs ASL.

24 I note that issue 6, in respect of
25 deferral accounts, is in effect an overarching issue

1 that is critical to the job of this Board. And I
2 believe this was linked to -- to Board Member
3 Bellringer's comments earlier that, at the end of the
4 day, in setting just and reasonable rates, it will be
5 the sum of what is recorded as IFRS depreciation and
6 what is recorded as deferral accounts that will drive
7 the way we set rates and what we look to for net
8 income for setting rates.

9 Similarly, when one looks to the
10 balance sheet, it will be the sum of what is recorded
11 as accumulated depreciation and what is recorded as
12 deferral accounts for depreciation that will be
13 relevant for setting the future depreciation rates.

14 Deferral accounts, as such, are
15 critical to rate setting and they establish the bottom
16 line impact.

17 To the extent that we are regulating
18 Hydro with an eye to net income, ratepayers
19 indifferent if the costs are part of depreciation
20 expense as recorded by IFRS or part of the deferral as
21 established by this Board. The sum of the two is what
22 matters.

23 And I note that the PUB is not an
24 auditor. It's a prospective rate setter and, I
25 believe, Mr. Madsen dealt with this appropriately in

1 his comments, that the PUB establishes the economic
2 context in which Hydro will operate and the rates.
3 The accounting and the auditing comes after the fact
4 to determine how to appropriately report that.

5 I have an example in one of the IRs
6 that I was asked in this proceeding on this very
7 point, where I walked through a similar example with
8 respect to demand side management spending, where IFRS
9 will lead to one conclusion, regulation will lead to
10 another. At the end of the day, we design rates on
11 the assumption that demand side management is an asset
12 and will be amortized.

13 Even though, for all practical
14 purposes, IFRS standards would not consider DSM to --
15 most DSM spending to be something that creates an
16 asset that is -- that is amortized.

17 I do accept and -- and recommend that
18 to the extent we can achieve just and reasonable
19 rates, it is best if that is achieved with deferral
20 account use being minimized. That helps with
21 presentation. It helps with Hydro's accounting. It
22 helps with people understanding Hydro's statements.
23 But it's not a requirement.

24 If just and reasonable rates requires
25 us to use a different method than IFRS would require,

1 then we should accept and use deferral accounts as
2 needed to achieve that.

3 I note that issue 1, which the Board
4 set out, is related. The question is use of an IFRS
5 compliant depreciation methodology and, similarly, as
6 I noted there, it's just all the approaches, to my
7 understanding, and as said in the report, set out are
8 IFRS compliant because IFRS includes the ability to
9 use regulatory deferrals. But we should strive to
10 minimize those deferrals.

11 The only exception is possibly
12 alternative 3. And for people that have been through
13 the document, alternative 3 was Mr. Rainkie's option
14 that said if -- if the Board were to reach a
15 conclusion that it didn't have enough information, it
16 could continue with the current practice. And -- and
17 not amortize the deferral balances.

18 And there is a question as to whether
19 Hydro can just continue to charge amounts to a
20 deferral account that doesn't have an amortization and
21 whether that does lead them offside with some IFRS
22 questions.

23 So alternative 3 may or may not be --
24 as highlighted, may or may not be IFRS compliant.
25 Otherwise, to the -- to my understanding and the way

1 it's dealt with in the document, this -- this issue --
2 issue 1 is -- is -- is basically not a distinguishing
3 criteria between the alternatives.

4 Moving to slide 5. On the merits, I
5 have dealt with the merits of ALG versus ASL in -- in
6 the evidence. Those comments stand. And by evidence,
7 I mean MIPUG Exhibit 6. And I would encourage the
8 Board to review that. The -- the evidence of the past
9 proceedings I was involved in here, 2012 and 2015,
10 also deals with this topic.

11 In general, though, Equal Life Group
12 procedure is inferior or a Hydro -- a -- a -- a system
13 like Hydro, a utility like Hydro, as it does not well
14 match the expense each year to the consumption of the
15 utility services at a group level.

16 ELG relies on also an assertion of
17 precision, which relies on high quality actuarial
18 projections, and it relies on life and dispersion
19 estimates that end up being accurate in order for ELG
20 to achieve that assertion of precision and that is
21 generally challenging a -- and often not true for a
22 utility like Manitoba Hydro and I go through those
23 reasons also in my -- in my evidence and I'd be happy
24 to go over them if it is helpful for the Board.

25 ELG is also more costly in each case

1 where I've dealt with where utilities have compared
2 ELG to ASL approaches. ELG is a higher cost.

3 In this proceeding there are two (2)
4 consistent studies, each of which has ELG more costly
5 than ASL. One is the -- one is actuarial and those
6 come out to \$30 to \$54 million higher per year for
7 ELG.

8 And, I will note that through the --
9 the Chair's comments, ELG has primarily been used by
10 private utilities -- mostly coming out of Alberta or
11 subsidiaries of those utilities of the five (5) that
12 were discussed. Some are subsidiaries of the
13 utilities in Alberta, such as Atco companies.

14 It has -- it has rarely been used by
15 Crowns, and it's mostly been used by utilities which
16 are in distribution or transmission, not generally in
17 a hydro -- with hydro assets.

18 Part of the reason for that is ELG is
19 potentially better to apply, easier to apply when you
20 have good actuarial data, when you have large data
21 sets of assets that have been through a full cycle of
22 life, or more, something like distribution poles, we
23 have lots of wood poles. We get a good statistical
24 measure of those. We see them go through their life.

25 We do not have a large compliment of

1 spillways. We don't have a large compliment of -- of
2 turbines and generators in Manitoba Hydro system.

3 So, you don't necessarily get some of
4 that precision that's outlined in the ELG approach.
5 We also do not have a good record of those assets
6 having gone through an entire life cycle.

7 When they're a hundred and twenty-five
8 (125) year assets, we're just now starting to get --
9 with Pointe du Bois being rebuilt. Pointe du Bois is
10 a bit of an exception, it was built in 1910's.
11 There's questions about the concrete that was used and
12 the acidity in it. There's a whole bunch of issues,
13 so the ELG allegation of precision, to the extent it's
14 -- it's accurate, it does apply somewhat to things
15 like transmission utilities in Alberta. It applies
16 less so to something like hydro utilities in -- in
17 Manitoba.

18 Also, I'll note both methods recognize
19 and rely on retirement dispersion. Both assume that
20 when you choose an -- a life, if you had a truck
21 that's (10) years as Mr. Madsen noted, both are
22 assuming and calculating on the basis that -- that
23 there will be some trucks that last one (1) and some
24 that last fifteen (15). It -- it's -- inherent in
25 each approach.

1 Componentization I -- I have noted is
2 not a reasonable matter of distinction between these
3 two (2) approaches. Group accounting requires
4 appropriate componentization. I didn't spend --
5 intend to spend much more time on this, I think Mr.
6 Madsen described it very well.

7 And with respect to gains and losses.
8 The approach to dealing with gains and losses has had
9 a large degree of consistency in utilities over many,
10 many years. Gains and losses are inherent in the
11 assumption of the average service life. They're part
12 of the analysis you're doing and so they need to be
13 part of the mix when you're doing your analysis.

14 And, I note, otherwise you are
15 pancaking methods there and I will -- I -- I don't use
16 the word 'pancaking' in my evidence, but it's
17 described at page 34. And, what you effectively do if
18 you're expensing your gains and losses, is you are
19 taking to income, typically your worst performing
20 assets.

21 So, the truck that lasts one (1) year,
22 you say, oh wait, I have a loss on that, it was
23 supposed to last ten (10). I'll take that nine (9)
24 year loss to income.

25 But that means the remainder of trucks

1 on your system are no longer average ten (10) year.
2 You -- you came up with the ten (10) year average on
3 the assumption that some would be ones (1) and some
4 would be fifteens (15).

5 If, you all of a sudden start taking to
6 income, those gains and losses, you've undermined the
7 -- the entire integrity of the system that says I'm
8 going to work with an average life of ten (10).

9 So, with a system that -- that re-
10 circulates those gains and losses as part of the
11 accumulated depreciation, keeps that within one set of
12 analysis, keeps that within your depreciation study.
13 When you start booking gains and losses separately,
14 you end up adding a second approach. If you're taking
15 them to income, you end up undermining the -- the
16 depreciation study you've prepared.

17 And, over time, you will find that you
18 start seeing large surpluses in your depreciation
19 study because you're still running it as if all the
20 trucks will last ten (10), but the only trucks that
21 are left in the account are the ones that last eleven
22 (11) and twelve (12) or thirteen (13).

23 And, so that will start showing up as -
24 - as surpluses or variances as -- as Board Member
25 Bellringer raised in the account.

1 As far as the cost impact, and this is
2 moving to slide 6. The depreciation issues document
3 shows that -- a scenario with the Alliance estimates
4 with ASL is -- leads to \$267 million increase in the
5 twenty (20) year net income compared to ELG, which was
6 based on Concentric's estimates.

7 I note in my evidence that there are a
8 number of cases where the differences between Alliance
9 and Concentric are not about componentization.
10 They're about two (2) different depreciation
11 professionals having used their judgment to come up
12 with two (2) different sets of estimates.

13 So, the -- some of that is to do with
14 which -- which professional determined which life is
15 appropriate and it's -- it's simply a -- a -- a
16 disagreement on the fundamental mathematics of -- of
17 what lives should be assumed.

18 Also, that approach has some degree of
19 this pancaking included, because it takes the gains
20 and losses. It does amortize them over the remaining
21 life, the same way the study would. But it never then
22 considers what happens in your four (4) or five (5) or
23 six (6) while you're amortizing those gains and
24 losses, you no longer need to include that within the
25 study. It doesn't -- it doesn't add back into the

1 study that you'll have these surpluses starting to
2 show up or -- or greater surpluses starting to show
3 up.

4 So, for those reasons I think the two
5 sixty-seven (267) million is the best estimate one can
6 come up with today, but I think it's probably the
7 lowest that anyone would ever expect. Also, it has
8 the three hundred (300) or four hundred (410) extra
9 components that -- that Alliance came up with, which
10 all parties seem to agree is -- is -- probably farther
11 than is needed if we do a -- a screening for
12 materiality.

13 There are other scenarios that are
14 provided in the -- in the evidence which I set out
15 there that show ELG versus ASL under different types
16 of approaches that are more consistent with
17 Alternative 3, Alternative 4 and some other
18 amortization scenarios that the PUB set out and those
19 lead to even higher impacts from adopting ELG as
20 compared to ASL. Likely, the final answer is going to
21 be in the middle of that range somewhere.

22 I will note that Hydro's conclusion,
23 which is summarized in the document and I -- I accept
24 Hydro makes the conclusion, this does not change the
25 rate path, but that's because the rate path is focused

1 almost entirely on cash and debt and this is a non-
2 cash item.

3 So, it makes very little difference at
4 the end of the day to a rate path, if your rate path
5 is going to be religiously devoted to achieving a
6 certain level of paid on a debt over a certain period.

7 I don't think that will be the only
8 thing that the Board looks to, as we go forward in the
9 future. I don't know exactly how that aspect of the -
10 - of the Act will be -- will be implemented of the
11 Bill 36 and the regulations. I didn't intend to get
12 into that today, but I will say when you see comments
13 say that the rate path is the same, understand that
14 that's because the rate path is defined by paying down
15 debt and this is non-cash transaction.

16 So, in -- in effect, it's -- it's
17 diminishing, minimizing the extent to which this does
18 have a very material impact on Hydro's net income.

19 And I -- I think I've summarized the
20 last point there. So, moving to slide 7.

21 I agree with the other parties that
22 whole life versus remaining life was a lesser issue.
23 It's never been an issue in Manitoba. And whole life
24 provides better information.

25 There's one other matter that I didn't

1 know was going to be commented on until I saw on Mr.
2 Innis' presentation this morning, which was about the
3 impact on rates. There's a couple of comments in Mr.
4 Innis' presentation about the fact that this does not
5 have an impact on rates.

6 Those take two (2) forms. One I've
7 already talked about, which is the rate path impact,
8 and again that's because of the cash.

9 The other is that there was analysis
10 done just to see what would happen to the cost of
11 service study, if you implemented these different
12 depreciation procedure.

13 And the end result on the cost of
14 service study was it had relatively little impact on
15 the relative level of pay -- rates paid by each
16 customer.

17 There is a small impact and, in fact,
18 doing what I recommend is -- an -- an adverse impact
19 on the clients I work with, to a small degree, and I
20 can explain why, but overall it's going to make very
21 little difference to the relative level of rates. So,
22 you -- that -- that's what those comments are about
23 when it says it doesn't make a difference to rates.
24 It's the impact relatively between the classes.

25 And the final point I will note is I --

1 I -- I mentioned this at the outset, there is an -- an
2 alternative path set out for the Board, in the issues
3 document, that says, what if the Board decides it
4 needs to see all of the information before it comes up
5 with the final recommendation,?

6 And, in that case, my submission is
7 Alternative 3 is better than Alternative 4.
8 Alternative 3 is just a continuation of what we've
9 done now, let all the work be done, let all the
10 components be developed, let a full study come
11 through, and, then, we can deal with it.

12 Alternatively 4 starts to amortize a
13 number of accounts and it's -- it's, basically,
14 Alternative 4 is -- in my submission, Alternative 4 is
15 -- is almost like Alternative 2, except for the
16 (INDISCERNIBLE). They're very, very similar and --
17 and I don't -- if the Board can't come up with a final
18 decision to move Alternative 2, I don't know why you'd
19 go to Alternative 4. It's just, you know, take a
20 pass, give Hydro the homework, and, then, we'll deal
21 with it the next step around, but it's not what I
22 recommend. I think that is -- that is the end of the
23 direct.

24 THE CHAIRPERSON: Thank you, Mr.
25 Bowman. I'll ask the Panel if they have got any

1 questions. Ms. Kapitany...? No? Okay.

2 I've got a couple questions. Can you
3 go to screen 5, Kristen? Okay. Yeah. So, here --
4 here's your first bullet says, E -- ELG inferior, as
5 it does not match expense to consumption, but, when
6 you spoke, you said, it does not well match.

7 So, which is it? Is it that it doesn't
8 mat -- doesn't match. In my mind, it's sort of an
9 absolute term. 'Well match' is the subjective term.
10 Is it -- which one is it?

11 MR. PATRICK BOWMAN: I -- I -- I
12 apologize if I said, "well match". In my submission,
13 ELG does not match --

14 THE CHAIRPERSON: Okay.

15 MR. PATRICK BOWMAN: -- expense to
16 consumption of the utility. I would say it also does
17 not well match it's -- it's purported precision,
18 because rarely do we have the type of data in a
19 utility like Manitoba Hydro to allow you to achieve
20 that precision that --

21 THE CHAIRPERSON: Okay.

22 MR. PATRICK BOWMAN: -- that is
23 alleged by the ELG procedure.

24 THE CHAIRPERSON: Okay, and, finally,
25 the last page, page 8? Your -- your last comment is,

1 "potential benefits from added componentization", and,
2 that, I take it, is in relation to Alternative 2.

3 Can I have your comment in relation to
4 the componentization that Manitoba Hydro is suggesting
5 it would have to go to?

6 MR. PATRICK BOWMAN: Well, yes. My
7 understanding is that the -- there is general
8 agreement that the four hundred and ten (410) new
9 accounts that were produced by the -- the Alliance
10 study, is farther than Manitoba Hydro would need to
11 go.

12 My review of the Alliance study also
13 suggests that there are cases where Alliance has
14 identified material accounts that probably
15 appropriately should be componentized.

16 When that arises, my suggestion is they
17 should be componentized. It doesn't matter if you're
18 under, you know, ELG or ASL, or any other. If there
19 is a material difference within a type of asset that
20 would be otherwise included in a single class, you
21 should divide them.

22 And ELG is not a -- a back door way of
23 achieving the same outcome, and that's for a couple of
24 reasons, one of which there's a benefit to
25 componentizing, when it's merited, because it gives

1 you the data separated by the two (2) types of assets
2 you're looking at, so that you can, then, have an
3 asset -- a -- a database built up that you can use to
4 track the performance of the assets and update your
5 studies as you go forward and you can independently
6 change the lives on the assets, if they find different
7 perform over time. There's a benefit to having
8 material components separated under either approach.

9 I -- I don't understand how, you know -
10 - ELG takes the idea that there's a dispersion within
11 an account and that dispersion is relevant, whether
12 you have assets that are identical -- even in cases
13 where you have assets that are identical.

14 If we made up an account that was made
15 up of 65-foot-high cedar poles in the distribution
16 system, you would still have a dispersion, even though
17 there -- the -- the finest definition of the same
18 asset, you'd still have a retirement dispersion, you
19 could still apply ASL or ELG, but, if you are start
20 mixing in materially different types of assets into
21 that account, you -- you end up with -- with something
22 that -- a -- a -- an omelette that ELG doesn't
23 unscramble.

24 If you're going -- if you need to
25 componentize, go ahead, do the components, move on.

1 It's a benefit and it's not a distinguishing feature
2 in -- in my submission between ELG and ASL.

3 Now, Hydro's conclusion on that is also
4 rooted in IFRS, which I will note again is -- I -- I'm
5 not going to say what IFRS requires you to do. I'm
6 saying from a just and reasonable rates perspective,
7 if you need a component, create it. If you don't need
8 it, then -- then I don't know why we would go through
9 the trouble.

10 THE CHAIRPERSON: Thank you. Mr.
11 Sy...?

12 BOARD MEMBER SY: Thank you. To me,
13 this is a -- a learning lesson, really, between ELG
14 and ALG. The question I have is regarding BC Hydro.

15 Mr. Madsen, you indicated that BC Hydro
16 is using ALG and componentization is about three
17 hundred (300) or more -- a bit more than three hundred
18 (300).

19 The question: Is how long has BC Hydro
20 been using ALG and why Manitoba Hydro is not using it?
21 Like what -- what is so different between these two
22 (2) organization that one is using, which is BC Hydro,
23 using ALG. I'm assuming you're going to tell us how
24 long they have been using it, and, two, why is
25 Manitoba Hydro not using that?

1 MR. PATRICK BOWMAN: Yes, thank you,
2 Board Member, for the question. I will just note for
3 the record, I was recently testifying on matters of
4 depreciation before the BCUC about nine (9) months
5 ago, you know. You'll find the -- the -- the record
6 of that decision, it just came out.

7 BC Hydro does not use group methods at
8 all. BC Hydro actually uses an item or individual
9 unit method of depreciation, which Hydro notes here,
10 and they're -- although they have three hundred (300)
11 some odd accounts, it would be interesting to put
12 before you the list of accounts and you could see the
13 balances.

14 There are many accounts that have,
15 like, thousands of dollars of assets in them. There
16 are many very small accounts and it's a -- it's a
17 historical system that they've had in place.

18 There are probably -- I'm going to
19 guess -- less than a hundred that -- that make up
20 anything more than about, you know, point -- .1
21 percent -- .05 percent of their asset base that really
22 matter -- probably 40 of them that that make up more
23 than half of it.

24 But because they do this other type of
25 depreciation approach, they never do what was

1 considered group approaches. They never bring their -
2 - their -- all of their -- their turbines and analyze
3 them, as a group, to come up with a dispersion and to
4 consider the right way to actuarially model that
5 within to their depreciation expense.

6 What they do instead is they say,
7 turbines are going to last 60 days, they apply that to
8 each turbine, and amortize each one over 60 years. If
9 it hits 60, they stop. If it ends before 60, they --
10 they write it off and they -- they -- they take the
11 loss on disposal to their -- to their statements which
12 they, ultimately, defer into rates.

13 But that -- that unit approach is -- is
14 unusual, I will say, it's a -- it's a bit of a relic.
15 There is -- BC Hydro has not done much with their
16 depreciation system for -- for many, many years.

17 THE CHAIRPERSON: In relation to
18 Question 2, I don't think it's appropriate for Mr.
19 Bowman to talk about why Manitoba Hydro's doing
20 something. It may be you can ask Manitoba Hydro later
21 why -- why -- why they do it and, you know, as we go,
22 later on, somebody can ask Mr. Bowman if -- if he
23 agrees with it or it's appropriate, but I -- Mr.
24 Bowman can't testify on what Manitoba Hydro is doing.

25 So, Mr. Hombach, did you want to start

1 your cross-examination?

2 MR. SVEN HOMBACH: Yes. Thank you,
3 Mr. Chair, with the Panel's permission, I could go
4 till about noon, find a natural place to break, and
5 we'll take the lunch break at that time?

6 THE CHAIRPERSON: Okay. We can do
7 that, certainly. I -- I need Ms. Carriere (phonetic)
8 to come in and give me the head nod and, when she does
9 that, if -- if she comes in before noon and gives me
10 the head nod, we'll break at noon. If it's not till
11 after noon, we'll -- we'll wait until she comes in.
12 I'll -- I'll tell people right now. I think we're
13 going to have a shorter lunch today because we need to
14 -- to catch up on where we're at.

15 MR. SVEN HOMBACH: That sounds fair.
16 Thank you, Mr. Chair. I will get started.

17

18 CROSS-EXAMINATION BY MR. SVEN HOMBACH:

19 MR. SVEN HOMBACH: Good morning,
20 again, to everybody. Just for the record, I see some
21 new faces on the Panel. My name is Sven Hombach. I'm
22 counsel to the Public Utilities Board.

23 I do have some questions for the Panel
24 and I recognize that this is an usual process and the
25 previous panels have not been joint witness Panels.

1 I plan to direct most of my questions
2 to individual Members on the panel, but I, certainly,
3 would encourage anybody who feels that they would like
4 to weigh in on the topic to raise their hands and --
5 and let me. I'm not trying to cut anybody off.

6 Mr. Watson, like Mr. Bowman, I did not
7 expect you to be a Member of the Panel. I don't
8 anticipate directing any questions to you. I will re
9 -- I will direct them to Ms. Hooper or Mr. Fogg and,
10 then, if there's a need for you to weigh in, perhaps
11 we'll deal with it that way.

12 Now, Ms. Hooper, you've testified this
13 morning that the SAP system currently uses Equal Life
14 Group, and the ASL calculations are being done offline
15 on spreadsheets, correct?

16 MS. MICHELLE HOOPER: Yes, that's
17 correct.

18 MR. SVEN HOMBACH: Now, you'd agree
19 with me that the Board so far has not approved the
20 switch from ASL to Equal Life Group for rate-setting
21 purposes?

22 MS. MICHELLE HOOPER: Yes, which is
23 why we have the regulatory deferral account to capture
24 those differences.

25 MR. SVEN HOMBACH: When did Manitoba

1 Hydro make the switch on its SAP system from ASL to
2 ELG?

3 MS. MICHELLE HOOPER: We made that
4 change when we implemented IFRS in -- in the -- it was
5 during the 2015/'16 year, but retrospective to April
6 1, 2014.

7 MR. SVEN HOMBACH: And the -- the two
8 (2) sets of books that it currently keeps, correct me
9 if I'm wrong, Ms. Hooper, but they're both based on
10 the 2019 Concentric study?

11 MS. MICHELLE HOOPER: They are based
12 on the Concentric study. So initially, it was the
13 2014 study when we first implemented, and then, once
14 the 2019 study was approved by our board of directors,
15 then we updated the depreciation rates for both the
16 ALG and ELG calculations accordingly.

17 MR. SVEN HOMBACH: And your ALG and
18 ELG calculations are currently both based on the 2019
19 study?

20 MS. MICHELLE HOOPER: Yes, that is
21 correct.

22 MR. SVEN HOMBACH: Could you please
23 comment on the difference, if any, and components
24 between the ELG portion of the 2019 study and the ASL
25 or ALG portion of that study?

1 MS. MICHELLE HOOPER: There's no
2 difference in components.

3 MR. SVEN HOMBACH: They're the same
4 components?

5 MS. MICHELLE HOOPER: Yes.

6 MR. SVEN HOMBACH: So I'll stay with
7 you, Ms. Hooper. You're -- you're aware that at least
8 one (1) of the witnesses on the panel has testified
9 that, in their opinion, the 2019 componentization is
10 adequate for IFRS. Do you -- and that's Mr. Madsen.

11 MS. MICHELLE HOOPER: Yes, I'm aware
12 that he has testified.

13 MR. SVEN HOMBACH: Without trying to
14 put the cart before the horse, if the Board were to
15 find that the 2019 study is appropriate for now, does
16 that mean Manitoba Hydro would not have to make any
17 changes to componentization and its SAP system?

18 MS. MICHELLE HOOPER: During the IFRS
19 compliant ASL depreciation study, we undertook a
20 detailed review of the composition of each of those
21 components. And some of the recommendations that were
22 made by Alliance Consulting Group we would need to
23 implement regardless.

24 So that would occur with our next major
25 depreciation study which we're due for a regular

1 depreciation study fairly soon, probably 2024, if we
2 do -- we usually do depreciation studies approximately
3 every five (5) years. So there would be some amount
4 of componentization where -- like as Mr. Bowman had
5 indicated as well, that, where there are material,
6 very significant sub-components that have been
7 identified with very different lives, we would need to
8 implement that for just our regular accounting.

9 So for both ALG and ELG, we would --
10 regardless of procedure, we would implement some of
11 those.

12 MR. SVEN HOMBACH: Were there changes
13 in componentization between the 2014 study and the
14 2019 study?

15 MS. MICHELLE HOOPER: A few very minor
16 changes. I'm trying to think of an example here. If
17 we -- if I could maybe come back to that, I'll just
18 ask if my -- my back row could find an example of
19 something that changed between the two (2) studies.

20 MR. SVEN HOMBACH: Yes, please. But -
21 - but really what I'm getting at, Ms. Hooper, is:

22 Is it common that between depreciation
23 studies, there are some changes to componentization?

24 MS. MICHELLE HOOPER: We would
25 normally look at all of our accounts and consider

1 whether or not there's been changes in business such
2 that a change in componentization is warranted.

3 There's normally some accounts added,
4 and I know we added accounts in the 2019 study just
5 for new -- new information and new business processes
6 that were occurring, and there were some new assets,
7 technology changes, and such that just didn't fit into
8 the existing components.

9 MR. SVEN HOMBACH: Okay. Ms. Hooper,
10 I'd like to get back to the issue of componentization
11 in a bit, but I wanted to start with first principles.
12 Like Mr. Bowman, I'm not an accountant. It's one (1)
13 of my big life regrets. And I wanted to take you to
14 the -- the actual documents that set out what is
15 required.

16 And if I could ask Ms. Schubert to open
17 Board Counsel book of documents, volume 5, and go to
18 page 10.

19

20 (BRIEF PAUSE)

21

22 MR. SVEN HOMBACH: We'll stay with you
23 for the time being, Ms. Hooper.

24 Is my understanding correct that it is
25 IAS-16, 'Property, Plant, and Equipment', that sets

1 out depreciation requirements under IFRS?

2 MS. MICHELLE HOOPER: Yes, for
3 physical plant.

4 MR. SVEN HOMBACH: And that
5 qualification for physical plant suggests to me that
6 there's another standard for intangible assets?

7 MS. MICHELLE HOOPER: Yes, that's
8 correct.

9 MR. SVEN HOMBACH: And what standard
10 is that, Ms. Hooper?

11 MS. MICHELLE HOOPER: IAS-38.

12 MR. SVEN HOMBACH: Thank you. So if
13 we go to section 43 of IAS-16, it states that:

14 "Each part of an item of property,
15 plant, and equipment with a cost
16 that is significant in relation to
17 the total cost of the item shall be
18 depreciated separately."

19 Do you see that?

20 MS. MICHELLE HOOPER: Yes, I do.

21 MR. SVEN HOMBACH: So am I to read
22 that 'significant' is basically creating a threshold
23 of materiality?

24 MS. MICHELLE HOOPER: That's certainly
25 the interpretation that Mr. Madsen has applied to

1 this. The following paragraphs, 44 through 47, apply
2 some contextual interpretive information, and there is
3 indication in those other paragraphs that immaterial
4 components can be grouped.

5 But if you do group them, you need to
6 use an estimation technique, or you should use an
7 estimation technique, such that depreciation is
8 faithful to the life of the items contained in the
9 group.

10 MR. SVEN HOMBACH: And is it fair to
11 say that this is a judgment call, or is there more
12 detailed guidance under IAS-16 that sets out when an
13 asset is material or when it is significant?

14 MS. MICHELLE HOOPER: Professional
15 judgment is required to determine materiality.

16 MR. SVEN HOMBACH: Now, Ms. Hooper, in
17 terms of the -- the judgment that Manitoba Hydro
18 exercised on componentization, whose judgment was it?

19

20 (BRIEF PAUSE)

21

22 MS. MICHELLE HOOPER: It's the
23 judgment of management that establishes that
24 componentization. Recommendations are made by our
25 depreciation professionals, but ultimately it's

1 management that concludes on what to -- how to
2 interpret that and whether to accept those -- those
3 recommendations.

4 MR. SVEN HOMBACH: Now, Ms. Hooper, to
5 -- to interpret this standard, does one have to be an
6 accountant?

7 MS. MICHELLE HOOPER: I'd say that
8 anyone can come up with their own interpretation, but
9 accountants are trained in interpreting the standards.

10 MR. SVEN HOMBACH: I -- I'd like you
11 to undertake, or if necessary take it under
12 advisement, to let me know who exercised the
13 professional judgment as to what level of
14 componentization was required, to the extent that
15 there's a professional opinion underlying Manitoba
16 Hydro's position.

17 MS. MICHELLE HOOPER: Can you clarify
18 for which study you're asking that information?

19 MR. SVEN HOMBACH: For 2019 and for
20 2022, and --

21 MS. MICHELLE HOOPER: So for both the
22 Concentric 2019 depreciation study and the IFRS-
23 compliant ASL depreciation study?

24 MR. SVEN HOMBACH: Yes, please.

25 MS. MICHELLE HOOPER: Yes, we can

1 undertake to do -- provide that information.

2 MR. BRENT CZARNECKI: Perhaps before
3 we get to the actual undertaking, can we take that
4 under advisement? Because I think Ms. Hooper has
5 answered the question, respectfully, Mr. Hombach, in
6 saying that there's a team of professionals at
7 Manitoba Hydro that look into it, and then it
8 ultimately is advanced to management who makes a
9 decision.

10 So, maybe if we -- I take it under
11 advisement because are you looking for all of the
12 individuals and their positions within the team that
13 Ms. Hooper works with? Or perhaps you can clarify,
14 like, what specifically you're looking for.

15 MR. SVEN HOMBACH: Certainly, Mr.
16 Czarnecki. Let's break that down. First of all,
17 taking it under advisement is fine. You'll let the
18 Board know what Manitoba Hydro's position is.

19 What I'm really getting at is there
20 appears to be a difference in opinion as to what that
21 threshold is between Mr. Madsen on the one hand and
22 Manitoba Hydro staff on the other hand.

23 So, to the extent that there is an
24 underlying professional opinion that was adopted by
25 management, I'd like to know whose opinion that is.

1 MR. BRENT CZARNECKI: Okay. And --

2 MR. SVEN HOMBACH: Enable the Boards
3 to weigh those two (2) competing opinions.

4 MR. BRENT CZARNECKI: And just so
5 we're clear on my -- why it's under advisement, we
6 normally don't break it down to individuals at
7 Manitoba Hydro. There's a corporate position. And
8 she's outlined that the corporate position made its
9 way up to management who blessed it.

10 So, we'll -- we'll see if we can add a
11 little more granularity as to who those professionals
12 were. But, of course, we operate as Manitoba Hydro as
13 a team.

14 MR. SVEN HOMBACH: Understood. Thank
15 you, Mr. Czarnecki. On my next --

16 THE CHAIRPERSON: Sorry. Mr. Hombach,
17 though, were you look -- you used the word 'opinion'.

18 Do you want also to see if there's
19 something in writing where they arrived at the
20 decision or is it just the decision?

21 MR. SVEN HOMBACH: Yes, to the extent
22 that there is something in writing. Perhaps the
23 undertaking can be expanded to -- to file it on the
24 record.

25 MR. BRENT CZARNECKI: Yeah, we'll --

1 we'll take a look and try our best.

2

3 --- UNDERTAKING NO: 51: For Manitoba Hydro to
4 advise who exercised the
5 professional judgment as
6 to what level of
7 componentization was
8 required, to the extent
9 that there's a
10 professional opinion
11 underlying Manitoba
12 Hydro's position for both
13 the Concentric 2019
14 depreciation study and the
15 IFRS-compliant ASL
16 depreciation study? (TAKEN
17 UNDER ADVISEMENT)

18

19 CONTINUED BY MR. SVEN HOMBACH:

20 MR. SVEN HOMBACH: And again, Ms.
21 Hooper, I -- I plan to circle back to the issue of
22 componentization in a little more detail. But still
23 on the subject of IAS-16, I'd like to ask Ms. Schubert
24 to turn to page 11 of the document, and scroll down to
25 section 60.

1 Now, section 60 states that:

2 "The -- the depreciation method used
3 shall reflect the pattern in which
4 the asset's future economic benefits
5 are expected to be consumed by the
6 entity."

7 In my non-accounting mind, is this the
8 concept that's commonly referred to as matching?

9 MS. MICHELLE HOOPER: There is no
10 matching principle in IFRS specifically. There used
11 to be under Canadian GAAP.

12 But it is the intent, my
13 interpretation, at least, of the standards, that you
14 want to try as best as you can to match the
15 depreciation expense to the consumption of assets and
16 their useful life so that those costs are taken into
17 income at the same time as the assets are used up, in
18 effect.

19 MR. SVEN HOMBACH: Thank you. And
20 without belabouring this point, I -- I would like to
21 break this down a bit. And I'll ask Mr. Bowman to
22 weigh in, as well.

23 This does not refer to the use of the
24 asset, its refers to the future economic benefits.

25 In -- in your respective mind, is the

1 economic benefit of a Hydro asset consistent over the
2 asset's lifespan or is it more like a new car whether
3 it's a higher economic benefit early on in the
4 process?

5

6

(BRIEF PAUSE)

7

8

MS. MICHELLE HOOPER: If you look to
9 paragraph 62(a), it specifically states that:

10

11

12

"A depreciation method that's based
on revenue generated is not -- is
not appropriate."

13

14

15

16

17

So, if you're referring to economic
benefits early in life as the revenue, or the profit,
on a generating station, then that would not be
appropriate to use that as an assumption for
depreciation.

18

19

20

21

22

23

(BRIEF PAUSE)

24

25

MS. MICHELLE HOOPER: I'm not an

1 engineer, but my expectation would be that, as the
2 various sub-components of smaller assets of a
3 generating station wear, they would become less
4 efficient over time.

5 But, you know, you -- you see that with
6 -- as items come up and get replaced throughout the
7 life of the generating station.

8 MR. SVEN HOMBACH: Mr. Fogg...?

9 MR. ALASTAIR FOGG: Yeah, I'd just
10 like -- like to add, I think that was an important
11 point that Ms. -- Ms. Hooper made. When we generalize
12 it to a generating station, those are very different
13 assets that we're talking about from an economic
14 benefit or life perspective, whereas you may be
15 talking about digital components that have a very
16 short life versus a concrete structure that may have a
17 hundred year life.

18 So, I think that's part of what that
19 section of the standard is trying to get at, is that
20 the opportunity for future benefit of that asset
21 differs by the asset we're talking about.

22 So, when we talk about a generating
23 station, for example, we need to be more specific and
24 differentiate between those types of assets.

25 MR. SVEN HOMBACH: Thank you. Mr.

1 Bowman, in your written evidence you suggested that
2 the economic benefit of a hydro asset is higher later
3 in life.

4 Perhaps you'd like to elaborate and
5 weigh on this issue?

6 MR. PATRICK BOWMAN: I would, although
7 I'm hesitant to do it with an IFRS accounting standard
8 in front of us, lest it be interpreted that I'm trying
9 to -- well, where -- where an opinion doesn't belong.

10 But I believe Ms. Hooper appropriately
11 took you to 62(a) -- it's the same place I was going
12 to take you -- about the IFRS specifically noting that
13 revenue based methods are not appropriate.

14 I -- I would understand most of the
15 economic profile of an asset that we're talking about
16 to not necessarily be revenue based, but things like -
17 - like avoided cost or roll in a system that change
18 over time.

19 And -- and I will say there are
20 depreciation methods, approaches that would allow you
21 to better pick up some of those. But we would be a
22 significant outlier in Manitoba where we could use
23 some of those. They -- they are effectively non-
24 straight line methods. And -- and straight line is,
25 like, almost universally used throughout -- throughout

1 North America for these type of assets.

2 Also, there -- to the extent that
3 there's something that's not revenue based but that is
4 value based, you will find something like inflation
5 would be a relevant factor.

6 When we say "straight line," we
7 generally mean straight line based on nominal dollars
8 as of the date of installation, not something that
9 does an adjustment for inflation on a straight line
10 basis or straight line real amortization of an asset
11 into -- into rates or into consumption of its value.

12 As a matter of fact, most of the
13 depreciation textbooks you find, within, like, the
14 first five (5) pages, it'll say, oh, by the way,
15 mostly inflation, let's just ignore that, because it
16 gets quite complicated when you start to build it in.

17 There are some approaches that do that,
18 but it's not generally a major factor. But I think,
19 at the end of the day, and the reason I contextualize
20 it that way, is you've taken us to an IFRS standard
21 about how to -- how to amortize an asset.

22 I would suggest that when you're
23 looking to just and reasonable rates, this is one (1)
24 of the factors one should consider, something like an
25 -- an economic value over time, which Mr. Fogg

1 correctly notes is about a complex of assets, usually
2 not just one (1) -- one (1) feature, should flavour
3 and colour the way that one comes up with what is just
4 and reasonable rates rather than saying, oh, we want
5 to use a non-straight line method or we want to use
6 real depreciation or something of that nature.

7 It should just be an overriding caution
8 against the idea that we got to hurry up and pay down
9 assets or -- or depreciate down assets where really
10 they're going to give us a lot more of their value in
11 their back end than in the front end. And so, it's
12 more like a -- it's more like a caution against events
13 front loading.

14 And I -- if you want to follow the math
15 of that as an example, I did pull up from the
16 Concentric study the amortization of Bipole III. And
17 Bipole III under -- you know, buildings on Bipole III
18 are supposed to be a sixty-five (65) year asset.

19 Under ASL versus ELG, we'll find a very
20 different amortization because they're brand-new
21 assets. That's where ASL and ELG come up with very
22 different rates.

23 And you'll find that, even though we
24 expect these buildings to last on average sixty-five
25 (65) years, if you do it under ASL, you come up with

1 one sixty-fifth every year. If you do it under ELG,
2 you're closer to one fiftieth every year because of
3 this idea that we got to hurry up and -- and deal with
4 this -- this early years -- you know, early
5 retirements.

6 And that to me is -- is moving in the
7 wrong direction compared to just and reasonable rates,
8 trying to reflect when that asset is providing
9 benefits to -- to customers. If anything, it leaves
10 less of the asset on the books later in its life when
11 it's of its most value to customers given the -- the
12 tendency, if nothing else, inflation, but, also, other
13 -- other cost trends that the system will see.

14 I don't -- I don't think by use of ASL
15 for fifty (50) years my grandparents left us a mess by
16 not paying down Pine Falls enough. I think Pine Falls
17 is a brilliant asset that is giving us great value.
18 And, as a result, I -- I don't know how we'd say, oh,
19 well, we -- we need to go back and fix that, and catch
20 up from that. It just doesn't -- doesn't fit with my
21 understanding of the economic profile of the system.

22 MR. SVEN HOMBACH: Thank you, Mr.
23 Bowman. Before we delve into the methodologies, I'd
24 like to refer the panel to one (1) more provision in
25 the standard. And that is Section 67, which is found

1 on page 12.

2 Ms. Hooper, back to you. Section 67
3 states that:

4 "The carrying amount of an item of
5 property, plant, and equipment shall
6 be derecognized on disposal or when
7 no future economic benefits are
8 expected from its use or disposal."

9 I take it that is the provision
10 Manitoba Hydro relies on when it states that interim
11 gains and losses can -- have to enter net income under
12 IFRS unless there's an approved deferral account.

13 MS. MICHELLE HOOPER: Yes. In
14 combination with paragraph 68, which follows it, which
15 states that:

16 "The gain or loss arising from
17 derecognition shall be included in
18 profit or loss when the item is
19 derecognized."

20 MR. SVEN HOMBACH: So -- so Ms.
21 Hooper, do accountants draw a distinction between
22 interim gains and losses on the one hand, and terminal
23 losses on the other hand?

24 And -- and perhaps I should elaborate.
25 There's been a lot of talk in this proceeding on

1 interim gains and losses. But there are also losses
2 like the decommissioning of Selkirk.

3 Would you consider the decommissioning
4 of Selkirk in the same vein as an interim gain or
5 loss? Or is that different?

6 MS. MICHELLE HOOPER: We consider the
7 decommissioning of Selkirk to be a terminal loss.

8 MR. SVEN HOMBACH: And in -- in a
9 minute or less, what is the difference between an
10 interim loss and a terminal loss for an accountant?

11 MS. MICHELLE HOOPER: So an interim
12 loss, when you're talking group accounting approaches
13 to depreciation, would be when you're retiring
14 individual assets within an account prior to the
15 termination of the account as a whole.

16 MR. SVEN HOMBACH: Thank you.

17 Mr. Chair, I note it's 11:57. I'm
18 happy to keep going for fifteen (15) minutes on a
19 different topic or to break now.

20 THE CHAIRPERSON: I think we'll break
21 now. And we'll break until 12:45. Thank you.

22

23 --- Upon recessing at 11:57 a.m.

24 --- Upon resuming at 12:48 p.m.

25

1 THE CHAIRPERSON: Good afternoon.

2 Mr. Williams...?

3 DR. BYRON WILLIAMS: Mr. Chair, just -
4 - I know we're always anxious about timing. And if
5 the Panel is worried about timing, I don't expect that
6 we will use all of our allotted time. I would expect
7 we'll come in at less than thirty (30) minutes, if
8 that assists.

9 THE CHAIRPERSON: I appreciate that.

10 Yeah. Mr. Hombach...?

11 MR. SVEN HOMBACH: Thank you, Mr.
12 Chair.

13

14 CONTINUED BY MR. SVEN HOMBACH:

15 MR. SVEN HOMBACH: I would like to
16 change subjects from what I examined on before the
17 lunch break and turn to the issue of utilities that
18 use equal life group as opposed to average life group.

19 And to begin with, let's go back to
20 Manitoba Hydro's presentation from this morning and
21 turn to page 7, please.

22 Ms. Hooper, I don't recall whether it
23 was you or Mr. Fogg that -- that discussed which
24 utilities are included here. But my understanding is
25 you based this on the response to PUB/Manitoba Hydro

1 2nd Round Information Request 37. Correct?

2 MS. MICHELLE HOOPER: Yes, that's
3 correct.

4 MR. SVEN HOMBACH: Okay. Would it be
5 possible to obtain an undertaking for you to just list
6 the utilities in each of these buckets. So -- and --
7 and create a revised slide to -- to indicate which
8 utility you're relying on for each charge? As a
9 visual aid for the Panel?

10 MS. MICHELLE HOOPER: Sure. Just --
11 just rework PUB 2-37 to show, like, the --

12 MR. SVEN HOMBACH: That would work.
13 For example, colour coding the chart to match the
14 colours on the slide would work. I'm just looking for
15 a visual aid for that.

16 MS. MICHELLE HOOPER: Sure. We can do
17 that.

18

19 --- UNDERTAKING NO. 52: Manitoba Hydro to revise
20 PUB 2-37 to list utilities
21 in each bucket colour
22 coded.

23

24 CONTINUED BY MR. SVEN HOMBACH:

25 MR. SVEN HOMBACH: Thank you. Now,

1 let's turn to that Information Request. Ms. Schubert,
2 if we could put 2nd Round Information Request 37 back
3 on screen.

4 Ms. Hooper, you'll recall the Chair
5 asking you about some of the large Crown utilities.

6 Do you recall that?

7 MS. MICHELLE HOOPER: Yes, I do.

8 MR. SVEN HOMBACH: And you and Mr.
9 Fogg indicated -- and I believe Mr. Bowman supported -
10 - that BC Hydro uses something called individual unit
11 accounting?

12 MS. MICHELLE HOOPER: Yes, that's
13 correct.

14 MR. SVEN HOMBACH: I'd like to show
15 you an excerpt from BC Hydro's most recent revenue
16 requirement application. And if I could ask Ms.
17 Schubert to put that up on screen.

18 This is not currently on the record for
19 ease of reference. I would propose we make this PUB
20 Exhibit 27.

21

22 --- EXHIBIT NO. PUB-27: Excerpt of BC Hydro's most
23 recent revenue requirement
24 application

25

1 CONTINUED BY MR. SVEN HOMBACH:

2 MR. SVEN HOMBACH: If we could scroll
3 down, please. A bit further.

4 So -- so BC Hydro in that application
5 indicates that they used the straight line average
6 service life method.

7 And I wanted to simply confirm my
8 understanding with you, with Mr. Fogg, and perhaps Mr.
9 Bowman, if appropriate, that -- that what BC Hydro
10 does is it uses average service life, but rather than
11 lumping, let's say, two (2) or three (3) generating
12 stations together into one (1) bucket, it has
13 individual accounts for each of those generating
14 stations.

15 MS. MICHELLE HOOPER: That's my
16 understanding. Individual accounts for each asset at
17 each generating station.

18 MR. SVEN HOMBACH: In -- in -- again,
19 for my benefit as someone that isn't an accountant,
20 the -- the underlying methodology here though is still
21 average service life as opposed to something more akin
22 to equal life group because it's based on the type of
23 asset rather than the service life of the asset.

24 Does it not?

25 MS. MICHELLE HOOPER: An average

1 service life is an input to any kind of depreciation
2 model, whether it be a group or an individual asset
3 approach.

4 So you use an average service life
5 assumption in calculating ELG group depreciation and
6 in ALG group depreciation and in individual unit
7 depreciation.

8 MR. SVEN HOMBACH: Mr. Bowman, you're
9 comfortable with that explanation?

10 MR. PATRICK BOWMAN: Generally. I --
11 I can help a little bit. I was in this BC Hydro
12 hearing and I have evidence on depreciation in it.

13 You'll see it does say average service
14 life, but as you noted, it's not applied to groups.
15 It was applied to -- to individual assets, although,
16 in some cases, their assets are mass assets. But in
17 general, they're -- they're applied to individual
18 assets.

19 They are not divided by site, in fact.
20 So turbines are all the turbines on the system. And -
21 - and transmission towers are all the transmission
22 towers and spillways are all the spillways.

23 So it -- so it doesn't have that site-
24 specific aspect. It -- but it does have asset type
25 broken out.

1 But to each asset, if you were to say,
2 I -- I will adopt a sixty-five (65) year life for my
3 turbine, the first year you put your turbine in, you
4 would amortize one-sixty-fifth (1/65) of it. Exact
5 same way we would do with an average service life
6 approach.

7 Whereas, if you used equal life group
8 and you said, I want to put in a turbine and call it
9 sixty-five (65) years, it -- it would depend -- your
10 rate would depend on your dispersion curve and it
11 would vary depending on if you're an L3 or an R4 or an
12 S2.

13 And it would be generally -- if not,
14 universally -- shorter than sixty-five (65).

15 And we can show that in -- in Mr.
16 Kennedy's (phonetic) study in this Hearing, if you
17 like, about how ELG and ASL lead to -- one leads to
18 taking the original investment and dividing by sixty-
19 five (65). And one leads to taking the original
20 investment and dividing by something shorter than
21 sixty-five (65).

22 BC Hydro's would be more akin to that
23 ASL type approach.

24 MR. SVEN HOMBACH: Thank you, Mr.
25 Bowman. I'd like to put another document on the

1 record. This is an excerpt from Ontario Power
2 Generation's most recent depreciation study. And I've
3 provided that to Ms. Schubert earlier this morning.

4 I propose that, for the record, we make
5 this PUB Exhibit 28. And let's go to page 14 of that
6 document, please.

7

8 --- EXHIBIT NO. PUB-28: Excerpt of Ontario Power
9 Generation's most recent
10 depreciation study

11

12 CONTINUED BY MR. SVEN HOMBACH:

13 MR. SVEN HOMBACH: So Ms. Hooper,
14 subject to check, it's -- it's my understanding that
15 while Ontario Power Generation does not use average
16 service life for its computer systems, it does use it
17 for its generating stations, including the nuclear
18 power plants.

19 Do you have that same understanding?

20 MS. MICHELLE HOOPER: There is an
21 average service life estimate provided by the
22 depreciation consultant. But they do not apply
23 average life group, that's my understanding.

24

25 (BRIEF PAUSE)

1 MR. SVEN HOMBACH: If we could go back
2 to PUB 2nd Round Information Request 37 for a moment.

3 Ms. Hooper, just for the record, is my
4 understanding correct that when Newfoundland Power
5 uses equal life group, that utility is privately
6 owned?

7 MS. MICHELLE HOOPER: I believe so.

8 MR. SVEN HOMBACH: Does -- does
9 Manitoba Hydro agree with the argument that Mr. Bowman
10 made in his written evidence that New Brunswick power
11 is currently the only Crown utility using equal life
12 group for rate-setting purposes?

13

14 (BRIEF PAUSE)

15

16 MS. MICHELLE HOOPER: I believe that's
17 generally the case.

18 MR. SVEN HOMBACH: Thank you. I'd
19 like to take a moment to just very briefly go back to
20 the Ontario Power Generation study and go to page 17.
21 Second paragraph on the page.

22 Now, Ms. Hooper, again, I'd -- I'd just
23 ask you to accept that, subject to check, it indicates
24 that reports noted that OPG had continued to calculate
25 depreciation rates based on the average life group

1 procedure whole life technique.

2 So -- so I'd simply to ask you to
3 accept, subject to check, that this is what Ontario
4 Power Generation does. And if that is incorrect,
5 perhaps advise by way of an undertaking. And if
6 necessary, correct the record.

7 MS. MICHELLE HOOPER: Will you just
8 bear with me for one (1) minute?

9

10 (BRIEF PAUSE)

11

12 MR. SVEN HOMBACH: It might be easiest
13 to do this by way of an undertaking so we can move on.

14 MS. MICHELLE HOOPER: If I could just
15 -- there's a footnote on -- below the chart on PUB/MH-
16 2-37. So based on my discussions with Mr. Kennedy and
17 review of the materials that are available online for
18 OPG, that they developed depreciation rates themselves
19 by applying the service lives from the depreciation
20 study on a straight line basis.

21 So the document that you brought up
22 says otherwise, but from discussion with Mr. Kennedy,
23 he indicated that what's in the -- in the application
24 -- or in PUB/MH-2-37 is based on those discussions
25 with Mr. Kennedy.

1 MR. SVEN HOMBACH: Let's move on from
2 this issue and turn to the issue of componentization.
3 And I'll indicate I do not have any questions on whole
4 life versus remaining life, since all parties appear
5 to be in agreement.

6 Now, Ms. Hooper, you indicated before
7 that there's professional judgment involved in
8 determining what constitutes significance for the
9 purpose of IAS 16. Correct?

10 MS. MICHELLE HOOPER: Yes, that's
11 correct.

12 MR. SVEN HOMBACH: And -- and I had
13 asked this morning for an undertaking to advise who
14 made the professional accounting determination at
15 Manitoba Hydro.

16 And I -- I do understand that, Mr.
17 Fogg, you had a comment on that on the record that
18 might clear this up?

19 MR. ALASTAIR FOGG: Sure, Mr. Hombach,
20 I -- I'll try and do my best.

21 So, maybe it -- it's appropriate to
22 first talk about if we go back a number of years to
23 the time where Manitoba Hydro transitioned from C-GAAP
24 to IFRS.

25 There would have been work done at that

1 time by Manitoba Hydro accounting staff, at the time,
2 as well as with support from -- I believe it was
3 Concentric conducted the depreciation study, as well
4 as we had advice from KPMG from a financial reporting
5 perspective.

6 There would have -- we would have the
7 made decisions at that time around the level of
8 componentization, to meet IFRS compliance. And that's
9 -- at that time, was where that decision around the
10 ELG methodology was made in relation to that
11 transition to IFRS or at least the -- that -- started
12 that discussion.

13 I guess, to your specific question, I
14 believe you referenced the 2019 Concentric study and
15 the -- then the 2022, which would be the Alliance
16 study.

17 Any time we have a new depreciation
18 component that's identified from one of these studies,
19 or that's there's a change in the life that's applied
20 for an asset, that would change the depreciation rate,
21 that singular change has to be approved by our CFO.

22 So, each and every individual small
23 change to either add a component or change the life,
24 which would change the depreciation rate, would
25 proceed through the different levels of management

1 within the accounting area and then ultimately be
2 approved by our CFO.

3 So, he would receive a memo with
4 details around that recommended change and the reasons
5 for the change and then would approve it.

6 MR. SVEN HOMBACH: Has Manitoba
7 Hydro's auditor ever opined on the issue of
8 componentization.

9 MR. ALASTAIR FOGG: So, from the
10 auditor's perspective, the auditor would receive and
11 confirm that those approvals have been received. The
12 -- I don't believe our auditor would have taken a
13 position around whether it is the right level of
14 components, they're simply ensuring that the
15 componentization meets -- meets the requirements and
16 that we can properly -- that our financial statements
17 are properly represented, based on those -- that level
18 of componentization that we've -- that management has
19 elected to apply.

20 MS. MICHELLE HOOPER: If I could just
21 add to that, the auditors provide an opinion on the
22 financial statements as a whole, rather than each
23 individual.

24 So, to the extent they do review our
25 depreciation and componentization and everything else,

1 as part of the audit, but they're not providing an
2 opinion specifically on individual aspects of the
3 accounting.

4 MR. SVEN HOMBACH: And -- and I'd like
5 to explore that issue a little bit further,
6 specifically, with respect to average life groups
7 since we don't seem to be having the same argument
8 about componentization on Equal Life Group.

9 If I could ask Ms. Schubert to actually
10 pull up the 2019 study which is Minimum Filing
11 Requirement 95, Attachment 1, and go to page 5 of the
12 PDF.

13 Sorry, I -- I my page -- it may be page
14 4. There we go.

15 Mr. Fogg and -- and Ms. Hooper, this
16 question goes to you. If -- if you look on the left
17 column on that page, page 4 of the PDF, the second
18 paragraph.

19 There is the statement that:

20 "Concentric notes that the ALG
21 accrual rates are not in accordance
22 with IFRS and should only be used
23 for regulatory reporting purposes in
24 the circumstances of Manitoba
25 Hydro."

1 Do you see that statement, left column
2 of the second paragraph?

3 MS. MICHELLE HOOPER: Yes, I do.

4 MR. SVEN HOMBACH: Who made that
5 determination? Was that Mr. Kennedy? Or, did
6 Manitoba Hydro make that determination?

7 MS. MICHELLE HOOPER: I believe that
8 statement has been in all of the depreciation studies
9 since 2010 or with the -- in conjunction with the ALG
10 depreciation rate schedules.

11 They weren't always part of the same
12 document, back since 2010, so it would stem back to
13 his initial analysis of how much componentization was
14 required for IFRS under an ELG approach versus an ALG
15 approach.

16 It is Mr. Kennedy's opinion that more
17 componentization is required for an ALG approach and
18 that is reflected in the record from past proceedings.

19 I think there was an Appendix 11.49
20 from the 2015/'16 GRA that has -- puts up -- forward
21 that position. So, since there's been no substantial
22 change in componentization since 2010, Mr. Kennedy's
23 opinion has not likely changed on that matter, which
24 would be reflected in his report.

25 MR. SVEN HOMBACH: Mr. Madsen, do you

1 disagree with the statement on that report and believe
2 that the study is, in fact, IFRS compliant?

3 MR. DUSTIN MADSEN: Yes, I do, sir.

4 MR. SVEN HOMBACH: Ms. Hooper, does --
5 does Manitoba Hydro, independent of Mr. Kennedy, have
6 any -- any evidence or -- or professional accounting
7 opinion that -- that refutes Mr. Madsen's assessment,
8 keeping in mind the comment that there's judgment
9 involved?

10 MS. MICHELLE HOOPER: Mr. -- or it's
11 -- sorry, it's Manitoba Hydro's opinion that the
12 current level of componentization is not compliant
13 with IFRS on an ALG basis. And that's -- there are --
14 there's too wide of a dispersion in some of those
15 accounts to -- for the average of the -- the average
16 service life of the account to be representative of
17 the depreciation or of the useful life of the assets
18 contained in the account.

19 And that's what you're seeing in the
20 IFRS compliant ASL depreciation study, where those
21 accounts have been split up in order to narrow the
22 dispersion on the accounts, such that, the average is
23 representative or is reasonably representative of the
24 life expectancies of the assets within each account,
25 after sub-componentization.

1 MR. ALASTAIR FOGG: And -- it's Mr.
2 Fogg. Just -- just if I could add.

3 I mean I -- I just would like to --
4 that -- that -- this goes all the way, as I mentioned,
5 back to that initial conversion to IFRS. So, we would
6 have detailed review and study at that time, both by
7 Concentric, but also KPMG at the time from a financial
8 perspective and an interpretation of IR -- IFRS.

9 As
M
s
. H
o
oper mentioned, that has
10 continued in further studies that Mr. -- detailed
11 studies, that Mr. Kennedy had done and also is what
12 you see in the Alliance study that Mr. Watson has
13 done as well, which is another detailed review from a
14 depreciation perspective.

15 MR. SVEN HOMBACH: Thank you, Mr. Fogg
16 and Ms. Hooper. Now, the parties -- or at least the
17 experts who participated, appeared to be in agreement.
18 If the Board were to adopt option 2 there has to be a
19 transitional process.

20 So, I'm going to throw a hypothetical
21 at you and Mr. Czarnecki or Ms. Fernandes may want
22 their finger on the button.

23 If the Board, after hearing all of the
24 evidence, were to accept Mr. Madsen's opinion, that
25 the 2019 study is IFRS compliant and the Board were to

1 issue a direction to say, until a new study exists,
2 though with the Average Life Group numbers in that
3 study. And Manitoba Hydro disagrees with that
4 assessment, what would that mean for your purposes,
5 and in particular, would it be your position that you
6 would have to set up another deferral account or would
7 you just have to go with the Board's ruling on that
8 issue?

9 (BRIEF PAUSE)

10

11 MR. ALASTAIR FOGG: Mr. Hombach, I'll
12 do my best on -- on the theoretical or the -- the
13 potential. But I -- I suppose it would be an
14 interesting situation where we'd have a -- a decision
15 that has made an assessment, took a view around the
16 level of componentization required on that adoption of
17 -- of ALG.

18 I believe in -- in kind of the narrow
19 time period, we may have to continue some degree of
20 deferral until we had a time to assess from a -- a
21 financial reporting perspective, as well, whether we
22 could proceed on that from a componentization that
23 likely still involves doing a depreciation study at
24 the same time.

25 So, I think there could be -- we'd have

1 to determine something in the interim that would allow
2 us to proceed to actually assess that.

3 I just would note, and I think it came
4 up earlier that and -- and I believe Mr. Bowman
5 identified it as well. We do know, just even from
6 today, from the analysis and the Alliance study, that
7 there are likely components that we should add, based
8 on Mr. Watson identified, regardless of whether we're
9 talking about ALG or ELG and that would be something
10 we should be doing, as well.

11 MR. SVEN HOMBACH: So, in terms of
12 timing, Mr. Fogg, I believe you indicated that there
13 would be a new depreciation study in 2024. Correct?

14 MR. ALASTAIR FOGG: I do believe that
15 would be and subject to Ms. Hooper correcting me, but
16 I believe we would look to -- to initiate that
17 exercise shortly after the Board Order from this
18 proceeding.

19 It may complete itself within the 2024
20 time frame but we would look to -- to have another
21 depreciation study started following the Order in
22 September.

23 MR. SVEN HOMBACH: So, at this point
24 in time, then, is it Manitoba Hydro's intention to
25 file the next General ate -- General Rate Application

1 under a new depreciation study, regardless of whether
2 the Board goes with Option 1, Option 2, Option --
3 perhaps not Option 3 or Option 4, since those would
4 defer the issue.

5 MR. ALASTAIR FOGG: Subject to
6 confirmation of the exact schedule of that proceeding,
7 I think it would be beneficial that if we had that new
8 depreciation study completed, it would be filed as
9 part of that proceeding.

10

11 (BRIEF PAUSE)

12

13 MR. SVEN HOMBACH: Let me approach the
14 -- the same hypothetical from the other side, Mr.
15 Fogg, and -- and, Ms. Hooper, please feel we -- free
16 to weigh in.

17 If the Board were to accept average
18 life group, going forward, from Manitoba Hydro's
19 perspective, would it be feasible to use the aligned
20 study until the next depreciation study is in place,
21 rather than having a transitional process?

22 MS. MICHELLE HOOPER: We cannot
23 implement the Alliance study immediately. There's a -
24 - a time-frame, as I explained, in our direct
25 evidence, that it would take time in order to

1 implement that.

2 Even if we accepted it, as is, with the
3 componentization, we still have to update all of our
4 systems, and update all of our assets and capital
5 projects to reflect that.

6 So, there would be -- the time period
7 might be a bit shorter than it would, if we don't need
8 to do, you know, further analysis to finalize
9 componentization and engage with the PUB but it would
10 still -- there would still be an interim period while
11 that work was conducted.

12 MR. SVEN HOMBACH: And the primary
13 issue, it's really just the -- the -- the amount of
14 new accounts, the amount of different accounts?

15 MS. MICHELLE HOOPER: The
16 implementation is -- is -- the effort required to
17 implement will be directly related to the number of
18 new accounts.

19 So, as Mr. Madsen indicated, if it was
20 really only two (2) or three (3) or four (4) accounts,
21 yes, we could do that quite simply and easily. There
22 would not be very many people that needed training,
23 but we do not believe that two (2) or three (3) or
24 four (4) accounts would do it.

25 MR. SVEN HOMBACH: And -- and, Ms.

1 Hooper, I know that Board Member Bellringer already
2 asked you about this earlier, but, perhaps, ex -- ex -
3 - explain it to me.

4 If Manitoba Hydro already uses the
5 spreadsheets to do an average service life
6 calculation, independent of its S-A-P system, why
7 would it not be possible to use that spreadsheet, on a
8 temporary basis, to determine the actual depreciation
9 expense for financial recording and rate-setting
10 purposes.

11 MS. MICHELLE HOOPER: It's only
12 feasible to make those calculations in a spreadsheet,
13 because the cost base and the componentization are
14 identical between our ELG methodology that we're using
15 for financial reporting purposes and the ALG that
16 we're using for -- for rate-setting purposes -- or for
17 to determine the deferral amount.

18 As soon as your cost starts to diverge,
19 it becomes a -- it would become a very, very complex
20 effort to maintain a separate set of books and
21 financial state -- or in Excel.

22 MR. SVEN HOMBACH: And I recognize the
23 evidence for this is on the record, Ms. Hooper, but,
24 if we could go to Board Counsel Book of Documents,
25 Volume 5, please, and turn to page 41. And, if we

1 could scroll down a little bit.

2 Ms. Hooper, this is an excerpt from
3 PUB/Manitoba Hydro's 2nd Round Information Request 39,
4 and it asked Manitoba Hydro to quantify the impact on
5 annual depreciation expense between the 2019 average
6 service life study and the 2022 average service life
7 study. I take it you're familiar with that tract?

8 MS. MICHELLE HOOPER: Yes, I am.

9 MR. SVEN HOMBACH: So, as a rule of
10 thumb, can we simply say that the difference is about
11 40 million per year?

12 MS. MICHELLE HOOPER: Yes, I can
13 accept that.

14 MR. SVEN HOMBACH: And that's in each
15 of the test years?

16 MS. MICHELLE HOOPER: Yes.

17 MR. SVEN HOMBACH: So, let's change
18 topics, then, and deal with the issue of interim gains
19 and losses. And I'd like to refer to the issues
20 document and I'd ask Ms. Schubert to turn to page 16
21 of that document, please. Sorry. The -- the
22 depreciation issues document, please, which is Exhibit
23 PUB-20, I believe. Page 16. And let's scroll down to
24 the table in the middle off that page, please.

25 Let -- let's start with the basics. Is

1 my understanding correct that with the average life
2 group methodology there is a much bigger difference
3 between applying the methodology with deferring
4 interim gains and losses as opposed to without than
5 there is for ELG?

6 MS. MICHELLE HOOPER: I'm sorry, can
7 you clarify that question?

8 MR. SVEN HOMBACH: Yes. So -- so that
9 -- the table on page 16 of the issues document
10 suggests to me that the deferral of interim gains and
11 losses has a significantly higher impact for the ALG
12 procedure than for the ELG procedure, specifically
13 over twenty (20) years, about 318 million as opposed
14 to 34 million.

15 MS. MICHELLE HOOPER: Yes, based on
16 our estimates of gains and losses under ALG being very
17 much more significant than under ELG. Not everyone
18 agrees that we're calculating them correctly.

19 MR. SVEN HOMBACH: I'd like to break
20 that issue down a bit further. And first of all, if -
21 - if you could, in two (2) minutes, I'll ask at a
22 high-level, please explain why there is such a higher
23 difference for ALG than for ELG?

24

25

(BRIEF PAUSE)

1 MS. MICHELLE HOOPER: With ELG, the
2 depreciation rates are calculated based on the amount
3 of depreciation that you need for each -- like --
4 okay, back up a bit.

5 In ELG, within the calculation itself,
6 each vintage of -- of assets and -- is sliced into
7 equal life slices and a depreciation requirement is
8 determined for each of those equal life slices.

9 So, they -- they -- statistically,
10 based on the Iowa Curve that's assigned, the -- the
11 depreciation calculation depreciate like within --
12 embedded in that calculation, assets that have an
13 expected life of one (1) year are amortized over one
14 (1) year. If it's ten (10) years, they're amortized
15 over ten (10) years.

16 Over the account as a whole you expect
17 the average will be whatever the average is that is
18 assigned for that account.

19 So, because that's built right into the
20 calculation, any asset that retires at the time that
21 is expected from the assigned -- like the depreciation
22 parameters are assigned, is expected to be fully
23 deprec -- or is deemed to be fully depreciated on
24 retirement.

25 So, we don't take a gain or loss on

1 anything that is retired when it's expected. We only
2 calculate a gain or loss on differences from expected.
3 So, our calculation for ELG looks at actual retirement
4 activity versus expected and calculates a gain or loss
5 only on the difference.

6 What they --

7 MR. SVEN HOMBACH: So --

8 MS. MICHELLE HOOPER: Sorry, go ahead.

9 MR. SVEN HOMBACH: Sorry, I
10 interrupted you. So -- so if there's an inherent
11 function of the difference in methodologies, is it
12 normal for ALG to always have a bigger difference in
13 interim gains and losses?

14 MS. MICHELLE HOOPER: ALG uses an
15 average, applies an average to every asset. So, when
16 you're using that average, the average is not going to
17 be reflective of the shorter-lived or the longer-lived
18 assets in the account.

19 So, to the extent that there's
20 significant dispersion in an account, in life
21 expectancies you're going to have bigger gains and
22 losses. And with our -- with our accounts we're -- we
23 are expecting it would be bigger, gains and losses,
24 based on our analysis.

25 MR. SVEN HOMBACH: Ms. Hooper, if we

1 could go briefly back to PUB/MH 2nd Round Information
2 Request 37.

3 MR. DUSTIN MADSEN: Excuse me, sir,
4 it's just Mr. Madsen. Could I just add -- weigh in on
5 the ALG side of that response?

6 MR. SVEN HOMBACH: Yes, please.

7 MR. DUSTIN MADSEN: Thank you. So, it
8 was -- Mr. Bowman explained it earlier today. The ALG
9 procedure, it's a group procedure, while it is
10 calculated, as Ms. Hooper has explained, it -- it also
11 assumes that assets have different lives as well.

12 So, while it does apply an average
13 rate, so if you have a ten (10) year average service
14 life, each asset is 10 percent, it assumes that there
15 are some assets that will retire after one (1) year.
16 It assumes some assets will retire after fifteen (15)
17 or -- or twenty (20) years. It's -- it's an average
18 life.

19 So the logic that Manitoba Hydro is
20 applying to the calculation of the ELG gain or loss
21 can also be applied to the termination of an ALG gain
22 or loss as well. And the opposite is true.

23 The ELG rates are also determined --
24 they're determined in the manner that Ms. Hooper
25 explained, but you also apply a single rate to all

1 asset accounts as well, similar to the ALG rate.

2 So if you want to -- you can calculate
3 both gains and losses under both procedures
4 consistently is what I'm trying to say, either by
5 increasing or decreasing the amount of the -- or the
6 size of the loss.

7 MR. SVEN HOMBACH: Thank you, Mr.
8 Madsen. So -- so on that note, if we could briefly go
9 back to PUB/Manitoba Hydro 2nd Round Information
10 Request 37, I'll open this question up to anybody on
11 the panel that would like to weigh in.

12 Is it the group's understanding that
13 the utilities on this chart that use average service
14 life or average life group all defer interim gains and
15 losses, or are there any that don't?

16 MS. MICHELLE HOOPER: I don't know
17 specifically what each of these utilities is doing
18 but, generally, if they're reporting under US GAAP,
19 they are likely not reporting gains and losses.

20 The company that reports under CPE
21 GAAP, or Canadian Public or Private Enterprise GAAP,
22 is like within that standard. It allows you to use
23 industry standard practices, so they are really
24 reporting under US GAAP within Canadian -- within C-
25 GAAP for them. So they are likely not reporting

1 losses either.

2 The IFRS companies, I -- I don't know
3 individually whether they're reporting losses or not,
4 but I would think that if their determination is that
5 losses are material, or gains, they would need to
6 report them to be in compliance with IFRS.

7 MR. SVEN HOMBACH: When -- and -- and
8 just so that we're clear, when you say, "reporting
9 interim gains and losses," that means taking them into
10 account in that income and on the operating statement
11 on an annual basis?

12 MS. MICHELLE HOOPER: Again, I don't
13 know exactly what they're doing, but my expectation
14 from my knowledge of IFRS is they would have to, at
15 least, be doing some kind of estimating to determine
16 what kind of magnitude of gains or losses may have
17 arisen, and deciding on a materiality basis whether or
18 not to book them.

19 MR. SVEN HOMBACH: So -- so then --
20 then let's turn back to the comment that you made
21 about the US GAAP utilities and the C-GAAP utilities.

22 I took you to the standard earlier, and
23 -- and could you please confirm to me that, under the
24 old C-GAAP standards, interim losses could be
25 deferred, terminal losses like Selkirk could not?

1 MS. MICHELLE HOOPER: Under the old C-
2 GAAP standards, there was an -- you were allowed to
3 look to industry standard practices if the specifics
4 in the standard did not relate well to your industry.

5 So most -- we -- our -- our Company and
6 probably most of the companies in Canada were
7 following -- really following US GAAP for property,
8 plant, and equipment prior to implementation of IFRS.

9 MR. SVEN HOMBACH: And -- and you're
10 rapidly losing me on the distinction between US GAAP
11 and -- and C-GAAP, but let me just put it to you more
12 directly.

13 A terminal loss like Selkirk, would you
14 have been able to defer that under C-GAAP?

15 MS. MICHELLE HOOPER: We would have
16 recognized a terminal loss under C-GAAP prior to the
17 implementation of IFRS.

18 MR. SVEN HOMBACH: Recognizing meaning
19 it would have hit the books, it would not have --

20 MS. MICHELLE HOOPER: Reported it
21 against net income in the year that it occurred.

22 MR. SVEN HOMBACH: So then, at the
23 risk of belabouring the -- the point, Ms. Hooper and
24 Mr. Fogg, when Manitoba Hydro set up its current
25 deferral account, it rolled interim as well as

1 terminal losses into that account?

2 MS. MICHELLE HOOPER: Yes, it did.

3 MR. SVEN HOMBACH: So -- so let's
4 explore that a little bit more, and I would ask Ms.
5 Schubert to open the PUB/Manitoba Hydro 1st Round
6 Information Requests and go to PUB/MH-I-82, page 3 of
7 3, and let's scroll down to -- to the bottom of the
8 document.

9 So, Ms. Hooper, I'd like to refer you
10 to the second line from the bottom. It's row 38. You
11 with me?

12 MS. MICHELLE HOOPER: Yes.

13 MR. SVEN HOMBACH: And under 'Equal
14 Life Group', there are -- I'd like to just point out
15 the first two (2) columns. The first column is for
16 the 2020/'21 fiscal year, correct?

17 MS. MICHELLE HOOPER: Yes.

18 MR. SVEN HOMBACH: The second is for
19 2021/'22?

20 MS. MICHELLE HOOPER: Correct.

21 MR. SVEN HOMBACH: And there is a \$32
22 million addition on -- in the 2020/'21 fiscal year.

23 MS. MICHELLE HOOPER: That's correct.

24 MR. SVEN HOMBACH: Is that largely
25 Selkirk?

1 MS. MICHELLE HOOPER: Yes, \$37.1
2 million, I believe, subject to check, of that -- of
3 the thirty-two point six (32.6) is Selkirk, or -- did
4 I say -- 37.1 million.

5 MR. SVEN HOMBACH: And when Manitoba
6 Hydro decided to put that into the deferral account,
7 it assumed that the Board would approve that deferral?

8

9 (BRIEF PAUSE)

10

11 MS. MICHELLE HOOPER: The creation of
12 that deferral account on the implementation of IFRS
13 was based on our interpretation of direction provided
14 by the Board to maintain C-GAAP accounting practices.

15 There was -- and just to be clear,
16 there was no specific direction from the Board
17 regarding gains and losses themselves, just to
18 maintain C-GAAP accounting. So we just deferred all
19 gains and losses in the absence of direction on what
20 to do with gains and losses.

21 MR. SVEN HOMBACH: And -- and this is
22 where I may require some clarification, Ms. Hooper.

23 You -- you testified a few minutes ago
24 that, under C-GAAP, terminal losses would have had to
25 be recognized, correct?

1 MS. MICHELLE HOOPER: Yes, that's
2 correct.

3 MR. SVEN HOMBACH: So when the Board
4 is being presented with option 2 -- and, Mr. Madsen,
5 Mr. Bowman, please feel free to weigh in -- is it in
6 the intention in option 2 to permanently defer
7 terminal losses, as well as interim losses, or interim
8 losses only? Ms. Hooper...?

9 MS. MICHELLE HOOPER: In our opinion,
10 the -- the two (2) should be considered separately,
11 and a decision should be made for what to do with
12 interim losses and also what to do with terminal
13 losses for rate-setting purposes.

14 So for terminal losses, there is
15 potentially some benefit to deferral in order to avoid
16 spikes in net income that may result when such a loss
17 occurs.

18 MR. DUSTIN MADSEN: So -- it's Mr.
19 Madsen. I -- I suppose it's -- from an accounting
20 perspective, IFRS doesn't distinguish between whether
21 the loss is terminal or interim, the -- simply that
22 all gains or losses as quantified are -- are taken to
23 income.

24 I think the Board should assess whether
25 or not, from a rate-setting perspective, it would be

1 reasonable to defer all amounts. In other
2 jurisdictions, the general practice for group assets
3 is to defer interim. It's kind of de facto. It's the
4 kind of approach that's used -- for rate-setting
5 purposes, it's the approach that's used.

6 Terminal losses have and -- and can be
7 deferred. In some cases, they are simply recognized.
8 So a terminal loss, for example, on a generating
9 facility or a building may simply just be recognized
10 in the year it is -- it occurs from a rate-setting
11 perspective. It's just judgment of the Board as far
12 as what's applied, but there's no bright-line test or
13 -- or clear rule.

14 MR. PATRICK BOWMAN: Yes. Mr.
15 Hombach, it's Mr. Bowman. I would say obviously not
16 coming from an IFRS perspective, only coming from a
17 ratepayer perspective, it would be my recommendation
18 to this Board that terminal losses, to the extent
19 possible, are not deferred.

20 They don't represent an ongoing value
21 to customers. They don't represent assets that
22 continue to provide service. Honestly, to the extent
23 possible, terminal losses should be -- should be
24 forecast and accrued for and included in rates even
25 before they're -- they occur.

1 You know, if -- if we had Selkirk
2 heading towards its final retirement date and it's
3 still providing service, that's the time people should
4 be paying to take it down, not -- not ten (10) years
5 later when you finally get around to it.

6 So, terminal losses I do think are quite
7 a bit different in terms of the substance of the
8 economic transaction.

9 And -- and it -- it probably doesn't
10 make me the -- the popular guy with the people who
11 hired me, but I'd be looking to Selkirk's 2030 costs
12 that people have on the books to continue removing it
13 and figuring out how quickly we can -- we can accrue
14 for that now rather than saying wait until that occurs
15 in 2030, and then -- and then have it charged into
16 rates until 2035 or something.

17 Interim losses, I think the question
18 goes back to where I had put quotes around the word in
19 the presentation, the -- it was hard to jump in. I'm
20 not always sure when you're -- I certainly don't want
21 to interrupt Ms. Hooper. Her answers are very
22 helpful.

23 But when you were talking about the ALG
24 versus ALG interim losses, I think the -- the
25 quotation marks around "losses" is important here.

1 Manitoba Hydro is calculating these losses by way of a
2 model that is custom and was developed with
3 Concentric, and my understanding is that's because
4 they're the only people in the country doing this with
5 respect to applying average service life.

6 And it comes back to that question of,
7 if you have ten (10) trucks and you say they're going
8 to last ten (10) years and one (1) only lasts one (1)
9 year, is that a nine (9) year loss because you
10 expected it to be ten (10) or has that always been
11 inherent in your assumption, that you're going to
12 average it over ten (10) years?

13 If it's inherent in your assumption,
14 it's not a loss, it's part of the estimate you
15 prepared, and you update the estimate. You don't have
16 that as a loss necessarily.

17 Now, I understand how IFRS might say,
18 well, no, no, you don't have that truck anymore, so we
19 need to get it out of there. But if you're overall
20 talking about representing the service of a fleet of
21 ten (10) trucks and you're going to replace them on a
22 permanent basis and continue bringing them into rates
23 over time, the service of ten (10) trucks is the
24 service of ten (10) trucks, and it occurs in year one
25 (1) and year six (6) and year twenty (20).

1 And -- and so, that idea that somehow
2 I'd have to take a loss just because one (1) of them,
3 you know, retired before the average is -- is I think
4 a fundamental misunderstanding of the whole point of
5 using an -- an average life for the purposes to
6 develop depreciation rates.

7 And that's where -- that's where I
8 think Ms. Hooper was -- was suggesting there's some --
9 some difference of opinion about whether this method
10 would -- unique to Manitoba Hydro is in fact required
11 or -- or appropriate for an ALG methodology.

12 MR. ALASTAIR FOGG: Mr. Hombach, if I
13 could just jump in just -- Mr. Fogg.

14 I'm -- I'm certainly not maybe as much
15 of an expert as some of my colleagues over here in
16 this respect, but maybe to simplify it, I think what
17 we're saying is we are dealing with an issue around a
18 group -- a group approach and dealing with something
19 like interim gains and losses versus some of our
20 interpretation of IFRS.

21 As we noted in the depreciation issues
22 document, that's really why we're saying that that
23 deferral of -- of interim gains and losses may be a
24 mechanism to address that both from that group
25 approach perspective, as well as from the IFRS

1 perspective of meeting both of those objectives, of
2 being able to basically amortize those -- those over
3 the average -- average life of the assets contributing
4 to that -- that balance.

5 So, it really would address all of the
6 concerns that we're talking about if -- if we were to
7 adopt an approach like that.

8 MR. SVEN HOMBACH: So, is the
9 rationale for not deferring interim losses under
10 option 1 that option 1 does not -- is not based on
11 average life, or is it just not worth it because the
12 difference is so small under ELG?

13 MR. ALASTAIR FOGG: So, our -- our
14 rationale had been based on the value of the estimated
15 impact from a gain and loss perspective. I think
16 we've clarified that we're certainly open to the
17 consideration of applying it under Alternative 1; that
18 is the deferral of gains and losses under Alternative
19 1, as well as Alternative 2.

20 MR. SVEN HOMBACH: So, it's a
21 pragmatic decision from Manitoba Hydro's perspective?

22 MR. ALASTAIR FOGG: Yeah.

23 MR. SVEN HOMBACH: Okay. Mr.
24 Bowman...?

25 MR. PATRICK BOWMAN: I was just going

1 say that the same -- I -- I wanted to agree with Mr.
2 Fogg, that the -- the cooperative work towards the
3 depreciation issues document helped highlight the
4 importance of -- of deferring and amortizing the --
5 the gains and losses that Hydro feels it -- it needs
6 to record under IFRS.

7 Some of the same issues that we talked
8 about with ASL also effectively occurs with -- with
9 the ELG estimates. And, in fact, sometimes you'll see
10 gains there.

11 The -- the model that calculates this
12 is in evidence. It's interesting for those people who
13 like big Excel files. It was interesting particularly
14 to me because it is -- I think of gains and losses as
15 something that occurs when you have a disposal, gains
16 and losses on disposal but, in fact, a lot of the
17 transactions in that account are non-disposals.

18 It's an assumption that ELG assumes
19 there'll be some assets that retire in year 1 from
20 Wuskwatim. Well, nothing retired in year 1 from
21 Wuskwatim, so it -- it records that as a gain. And
22 that -- that -- a gain on non-disposal that you had
23 assumed would occur.

24 And so, it's sort of a mix of a whole
25 bunch of things going on that is normally an implicit

1 and inherent part of -- of recording your cumulated
2 depreciation, and it's effectively pulling it out and
3 doing it -- doing it on the side.

4 So, even under ELG it can -- it can
5 lead to some big numbers potentially in some years.
6 It tends to lead to lower numbers because ELG's a more
7 accelerated method. And since usually you're going to
8 see losses here, you'd just see less losses if you --
9 if you push it harder.

10 But those -- those are still in -- in
11 principle, an -- an inherent part of what the overall
12 depreciation model is -- and depreciation study is --
13 is trying to do when it's measuring accumulated
14 depreciation.

15 And so, I think the amortization
16 probably is appropriate under -- under either of -- of
17 ELG and ASL. It -- it may be that it's de minimis
18 under ELG in -- in most years, I don't know that it
19 always will be, but -- but it -- it has a better
20 adherence to the overall idea of -- of average lifes
21 and dispersions by -- by amortizing it as -- as a part
22 of -- as if it's a part of accumulated depreciation.

23 MR. SVEN HOMBACH: Let's use this as a
24 segue to actually discuss the issue of the deferral
25 accounts. And, Ms. Schubert, I'd like you to ask you

1 to pull up Volume 4 of Board counsel book of documents
2 and go to page 329 of that volume.

3 The -- the document that we're looking
4 at is note 20 from Manitoba Hydro's most recent
5 financial report. The following is a question for Mr.
6 Fogg and -- and Ms. Hooper.

7 To date, neither of the change in
8 depreciation method account, nor the loss on
9 retirement of disposal of assets account has been
10 approved by this Board, correct?

11 MS. MICHELLE HOOPER: Correct.

12 MR. SVEN HOMBACH: Right. And trying
13 to think ahead to Mr. Bowman's recommendation number
14 4, in contrast to the Conawapa deferral account, that
15 previously has been approved?

16 MS. MICHELLE HOOPER: Yes, it has.

17 MR. SVEN HOMBACH: Now, this is the
18 report that ended on March 31, 2022, so that was a bit
19 over a year go.

20 And the accrued balance at that point
21 and the change in depreciation method account was 288
22 million?

23 MS. MICHELLE HOOPER: That's correct.

24 MR. SVEN HOMBACH: And the accrued
25 amount and the loss on retirement or disposal of

1 assets account was 67 million?

2 MS. MICHELLE HOOPER: Yes, that's
3 correct.

4 MR. SVEN HOMBACH: Does Manitoba Hydro
5 have actuals for the 2022/'23 fiscal year yet?

6 MS. MICHELLE HOOPER: Our actuals have
7 not yet been finalized for '22/'23.

8 MR. SVEN HOMBACH: And, Ms. Hooper, in
9 that case, let's go to the rejections. And I'd ask
10 Ms. Schubert to open Volume 5 of the Board counsel
11 book of documents and turn to page 139.

12

13 (BRIEF PAUSE)

14

15 MR. SVEN HOMBACH: Ms. Hooper, Figure
16 6 shows Manitoba Hydro's projections. And that
17 indicates that the balance and the change in
18 depreciation method account at the end of the most
19 recent fiscal year would be 288 million and the amount
20 in the loss on retirement of disposal of assets
21 account would be 67 million, correct?

22 MS. MICHELLE HOOPER: Those are the
23 opening balances.

24 MR. SVEN HOMBACH: Okay. So --

25 MS. MICHELLE HOOPER: The ending

1 balances would be 343 and 70 million based on the
2 forecast figures shown in this chart.

3 MR. SVEN HOMBACH: You have preempted
4 my next question. Thank you. Are we in the ballpark
5 even if the actuals haven't closed yet?

6

7 (BRIEF PAUSE)

8

9 MS. MICHELLE HOOPER: The change in
10 depreciation method amounts are -- are expected to be
11 very close to what's shown here. The loss on
12 retirement will be higher this year.

13 We had a large transformer fail at Riel
14 Station, which is one of -- of the very -- a very new
15 and very expensive transformer, so there is a more
16 significant loss for that, a one-off loss for that
17 item, but we don't have finalized figures yet.

18 MR. SVEN HOMBACH: When you say a "one
19 off loss," would that be considered a terminal loss or
20 an interim loss?

21 MS. MICHELLE HOOPER: It's an interim
22 loss.

23 MR. SVEN HOMBACH: So, seeing these
24 balances and -- and contrasting them to the \$751
25 million of projected net income for that fiscal year,

1 I'm going to ask you generally, Ms. Hooper and Mr.
2 Fogg, would it be feasible for the Board to not defer
3 these amounts, and instead have Manitoba Hydro write
4 them off in the most recent fiscal year?

5

6

(BRIEF PAUSE)

7

8 MR. ALISTAIR FOGG: So Mr. Hombach, to
9 write those off in '22/'23, I guess we would have to
10 be asking ourselves the question of whether these
11 would be considered -- because we're -- we're past the
12 fiscal year and whether these would be a subsequent
13 (INDISCERNIBLE) decision that was, you know, one that
14 we would adjust for or not. And whether -- I think we
15 would have to go back and I don't -- we haven't done
16 this analysis, but we would have say whether because
17 these are items that have existed or were open
18 previously, whether we have considered them as
19 occurring or open within the fiscal year that has
20 subsequently closed -- whether we can go back and
21 adjust for them.

22 I'm not sure it's -- it's not something
23 we've given enough analysis to that I'd want to answer
24 more than that, I think, at this point.

25 MR. SVEN HOMBACH: And you're testing

1 my memory now. But I believe without that writeoff
2 you were projecting 474 million in net income in the
3 upcoming fiscal year -- or the fiscal year we're
4 currently in?

5 MR. ALISTAIR FOGG: My recollection is
6 450 million, but it's -- it's within the similar
7 range.

8 MR. SVEN HOMBACH: So -- so that
9 basically would mean that a writeoff in the current
10 fiscal year would erode most of Manitoba Hydro's net
11 income?

12 MR. ALISTAIR FOGG: Most of it, not
13 more. And I suppose it would be a question of whether
14 -- and, in particular, I guess, on -- on the loss and
15 retirement related to the assets, whether that -- you
16 know, you'd have to ask whether that was the timing
17 and recognition of those expenses were to make sense
18 versus considering that these are related to a pool of
19 longer-lived assets, whether -- whether it's more
20 reasonable to recognize those -- the amortization
21 periods over the life of the assets since they're
22 still in service and providing value.

23 MR. PATRICK BOWMAN: It's Mr. Bowman.
24 At an appropriate time, I wouldn't mind an opportunity
25 to comment on that item. I don't know if now is good.

1 MR. SVEN HOMBACH: I'm going to hold
2 you in abeyance for one (1) minute, Mr. Bowman, and
3 then I'll turn it back to you. I just wanted to -- to
4 ask one more question of Mr. Fogg.

5 Mr. Fogg, I -- I take Manitoba Hydro's
6 point on that and I believe the -- the argument is
7 well established in the report.

8 I just wanted to take a minute or less
9 to establish what that would mean for ongoing revenue
10 going forward.

11 So let's turn to page 153 of the book
12 of documents. And let's go to the very bottom of that
13 page.

14 So -- so Mr. Fogg, again, correct me if
15 I'm wrong, but for the change in depreciation method
16 deferral account, on a go-forward basis, Manitoba
17 Hydro is basically anticipating that amortizing that
18 account over a number of years would increase expense
19 by about \$12 million per year?

20 MR. ALISTAIR FOGG: It would -- it
21 would result in that amount being put to the net --
22 net movement line, essentially, reducing -- or adding
23 an additional expense, reducing net income, whichever
24 way you want to look at it, yes.

25 MR. SVEN HOMBACH: And similarly, Mr.

1 Fogg, if we go to page 154 of the book of documents,
2 the impact for the loss on retirement account would be
3 about \$3 million per year?

4 MR. ALISTAIR FOGG: Correct.

5 MR. SVEN HOMBACH: So add those two,
6 it's about fifteen (15)?

7 MR. ALISTAIR FOGG: That's right.

8 MR. SVEN HOMBACH: Thank you. Mr.
9 Bowman, I'll turn the microphone over to you.

10 MR. PATRICK BOWMAN: I -- I just
11 thought it might be helpful to contextualize this
12 point in regard to the -- the item I addressed in my
13 presentation, which is properly considered from the
14 regulatory perspective, this account is part of
15 accumulated depreciation. In fact, when Mr. Kennedy
16 runs his reports, he includes it effectively as part
17 of accumulated depreciation.

18 And -- and when Board Member Bellringer
19 was asking about the fact that there is surplus
20 depreciation -- if you look at the -- for example, Mr.
21 Kennedy's -- Concentric's ASL study, right now we are
22 -- or as of 2019, it was 1.2 billion ahead of schedule
23 compared to what -- what would be expected on the
24 assets there.

25 If those amounts were to be written

1 off, that 1.2 billion would be more like 1.5 billion
2 ahead of schedule because that's -- that's effectively
3 where -- how it's been included into -- into Hydro's
4 calculation.

5 And I think -- I think to the extent
6 that we talk about -- about that as -- you know,
7 depreciation, Hydro has -- has booked for IFRS
8 purposes, but not yet collected from customers.
9 That's not -- that's not a problem. If anything, it's
10 -- it's already built into the estimates that Mr.
11 Kennedy prepared and is -- and -- and if anything, it
12 would be going the wrong way to -- to write that off
13 to use the language; that's already part of the
14 surplus that's -- that's recorded in the study.

15 MR. SVEN HOMBACH: Would you recommend
16 to the Board that the Board write off that portion of
17 the loss on retirement account that relates to Selkirk
18 or other terminal losses?

19 MR. PATRICK BOWMAN: In -- for the
20 reasons I set out earlier, yes. But I think that's
21 different than the change in depreciation methodology
22 balance.

23 MR. DUSTIN MADSEN: Mr. Hombach, it's
24 Mr. Madsen. If I could also just chime in.

25 If you -- if the Board were to adopt

1 alternative 2, just to Mr. Bowman's statement,
2 alternative 2 would also resolve that change in
3 depreciation deferral balance naturally.

4 If IFRS or accounting and regulatory
5 are aligned, that balance of \$300 million, as Mr.
6 Bowman has said, would just naturally form the ongoing
7 difference between unrecovered or over recovered
8 depreciation expense that is naturally reconciled in
9 the depreciation study. It goes away, effectively.

10 MR. SVEN HOMBACH: Just to clarify,
11 Mr. Madsen, if -- if the Board were to accept that
12 some increased level of componentization were required
13 for option 2 -- and I recognize you disagree with that
14 assessment of Manitoba Hydro -- there would be some
15 remaining balance in that account that the Board would
16 have deal with, no?

17 MR. DUSTIN MADSEN: Not -- not if that
18 additional level of componentization is used for both
19 regulatory and for natural reporting purposes.

20 If both are aligned, the account goes
21 away. If there is a lingering difference, yes, sir,
22 there would be a lingering -- if there is a difference
23 between componentization, it would be a lingering
24 difference.

25 MR. SVEN HOMBACH: So Ms. Hooper, I'll

1 turn the microphone to you in a moment. But Mr.
2 Madsen, perhaps let's walk the Panel through this.

3 Let's say the Panel were to adopt
4 option 2. Manitoba Hydro comes in with a new
5 depreciation study that shows some level of increased
6 componentization. And that \$40 million difference
7 that currently exists between the 2019 study and the
8 2022 study shrinks to, let's say, 20 million or 10
9 million or -- or pick your number.

10 What would have to happen with the
11 existing change in depreciation methodology account,
12 if anything?

13 MR. DUSTIN MADSEN: Well, that's a
14 good question.

15 So if there is a new application that
16 is -- remains different from the existing, say, 2019
17 ALG procedure, the future depreciation study is
18 different from that and creates a slightly different,
19 again, adjustment between financial reporting and
20 regulatory depreciation, then the Board would either
21 need to adopt that new level of componentization to
22 close the difference or could leave it and it would
23 just naturally unwind between the differences in
24 regulatory depreciation and financial reporting
25 depreciation over time.

1 Both will ultimately equal the same
2 amount at the end of the life of all assets.

3 MR. SVEN HOMBACH: Ms. Hooper, do you
4 agree with that assessment? Or do you have anything
5 to add on that issue?

6 MS. MICHELLE HOOPER: Just to clarify
7 for the record, Mr. Kennedy's studies -- in the ELG
8 study, these deferral accounts are not considered. So
9 they're not considered part of accumulated
10 depreciation for financial reporting purposes.

11 The C-GAAP -- or the -- the ALG study
12 prepared by Mr. Kennedy that's embedded in the 2019
13 study -- so that's the regulatory depreciation rates -
14 - includes the change in depreciation method account.
15 But it does not include the gains and losses.

16 So they are not included in Mr. -- the
17 gains and loss deferral account is not included in Mr.
18 Kennedy's studies at all.

19 If the Board was to accept --
20 regardless of what the Board accepts, basic deferral
21 account will not naturally unwind. It won't just
22 vanish. It's not going to disappear. Because if
23 there is no further change between depreciation for
24 regulatory purposes and depreciation for financial
25 reporting purposes, there will be no further additions

1 to this account. The only way it goes away is if it's
2 amortized.

3 The -- you can't just smooch this into
4 accumulate depreciation. It's arisen as a result of
5 rate setting -- like, for difference in regulatory
6 versus financial reporting. According to the IFRS
7 standards, that difference has to be isolated on your
8 financial statements. We can't just move it in.

9 The only way you'd get it to disappear
10 is if the Board was to provide us direction to
11 retrospectively unwind everything that we'd done back
12 to 2015. So you'd have to have like a retrospective
13 application back to 2015 by Board Order, which I don't
14 -- my understanding of the evidence from Mr. Bowman
15 and Mr. Madsen is that they don't believe
16 retrospective treatment is appropriate.

17 MR. SVEN HOMBACH: Ms. Hooper, let's
18 turn from options 1 and 2 to options 3 and 4. And I'm
19 -- I'm --

20 THE CHAIRPERSON: Mr. Hombach, sorry,
21 you've got ten (10) minutes.

22

23 CONTINUED BY MR. SVEN HOMBACH:

24 MR. SVEN HOMBACH: Let's turn to
25 options 3 and 4, and I'm sure my friend Mr. Williams

1 will have some questions on that issue as well.

2 You've no doubt reviewed alternative 3
3 which would indicate that the Board would provide, for
4 lack of a better word, a comfort letter.

5 MS. MICHELLE HOOPER: Yes and I think
6 we would need some kind of indication from the Board
7 that they do still intend to opine on this at some
8 point in order to continue to maintain that deferral
9 account.

10 MR. SVEN HOMBACH: So -- so to confirm
11 then, if -- if the Board were to choose to adopt that
12 option and were to opine that it would deal with the
13 issue of the deferral account in the next GRA, would
14 that provide an adequate level of comfort to Manitoba
15 Hydro that it would no longer need to keep two (2)
16 sets of books?

17 MS. MICHELLE HOOPER: We would still
18 have to maintain the deferral in the interim, until a
19 final decision was -- was made by the Board on
20 depreciation.

21 If we had comfort that they did intend
22 to opine on this at the next GRA, then we could use
23 that as justification to continue the deferral without
24 amortizing in the interim until the decision is made.

25 MR. SVEN HOMBACH: Now, for the

1 benefit of the Panel, I'd just like to take a few
2 minutes to deal with accumulated depreciation
3 variance. It's -- it's been mentioned a few times,
4 but we haven't gone into a lot of detail at -- yet,
5 and let's turn to MFR-95, Attachment 1 again. And
6 let's go to page 52 of the PDF.

7 So, I just wanted to take a moment to -
8 - to illustrate how this works. It might be helpful
9 for the rest of the discussions this afternoon.

10 Manitoba Hydro currently files a new
11 depreciation study every five (5) years. Correct?

12 MS. MICHELLE HOOPER: Approximately.

13 MR. SVEN HOMBACH: And -- and when
14 those studies happen, asset lives get revised, is
15 appropriate?

16 MS. MICHELLE HOOPER: Yes, where the
17 depreciation consultant identifies that there is a
18 need from -- based on discussions with management,
19 industry, review and the results of the statistical
20 analysis that's done on historical -- historical
21 findings.

22 MR. SVEN HOMBACH: So -- so then, if
23 on such review, the estimated asset life gets
24 shortened, that may mean that Manitoba Hydro has under
25 depreciated it?

1 MS. MICHELLE HOOPER: If the life is
2 shortened, you'll end up in a position which indicates
3 that you don't -- haven't accumulated enough
4 depreciation, based on the current assumptions.

5 It doesn't mean that we have
6 historically under depreciated it, as we in history
7 will have depreciated it based on the service life
8 assumptions that were in place at the time and are
9 duly approved, based on the best estimates that were
10 available at that time.

11 MR. SVEN HOMBACH: So, I -- I take
12 your point. It doesn't mean that you made a mistake
13 in the past, it just means that going forward, you're
14 revising it, right?

15 So -- so -- so let's just illustrate
16 this and let's have a look at the first line, this is
17 for Great Falls dams dikes and weirs.

18 The original cost, back in the day,
19 would have been about twenty-two (22) million? That's
20 the -- that's column 1.

21 MS. MICHELLE HOOPER: That's -- that's
22 the accumulated historical cost since the original
23 construction of that dam.

24 MR. SVEN HOMBACH: And the book
25 accumulated depreciation, column 3, that's about 9.9

1 million?

2 MS. MICHELLE HOOPER: Yes, that's
3 correct.

4 MR. SVEN HOMBACH: So, it -- so that's
5 the amount that you've actually recovered through
6 depreciation to date. Correct?

7 And then the column in the middle,
8 column 3, that's what this depreciation study says you
9 should have depreciated?

10 MS. MICHELLE HOOPER: Yes, based on
11 the assumptions, the parameters that are used for this
12 depreciation study.

13 MR. SVEN HOMBACH: Okay. And there's
14 a difference there of about eight hundred and forty-
15 four thousand (844,000), right?

16 MS. MICHELLE HOOPER: Yes, that's
17 correct.

18 MR. SVEN HOMBACH: So -- so and if we
19 go to column 4, it's negative, so does that mean you
20 lengthened the life span of the asset at some point?

21 MS. MICHELLE HOOPER: There was some
22 lengthening back in, I think 2010. We increased the
23 service life for these assets from one hundred (100)
24 years to one hundred and twenty-five (125).

25 But we also in 2015 removed the net

1 salvage assumption, which -- which was a 10 percent
2 net salvage factor on these accounts, so that would
3 have also had an impact.

4 MR. SVEN HOMBACH: And I take your
5 point on that. We don't have time to -- to delve into
6 that this afternoon, unfortunately.

7 But, just turning to the right then,
8 the probable remaining life, the forty-two (42) years,
9 that's what this study says the average service life
10 of the Dams, Dikes and Weirs account is going forward,
11 right? Another forty-two (42) years of life?

12 MS. MICHELLE HOOPER: It's the
13 probable remaining life, not the average service life.

14 MR. SVEN HOMBACH: So, okay, the --
15 the -- yeah, it -- you expect the -- you expect those
16 dams to last another forty-two (42) years?

17 MS. MICHELLE HOOPER: Yes, and with
18 Great Falls that'll be informed largely by the term --
19 the life span date that's assigned to that generating
20 station.

21 MR. SVEN HOMBACH: And then again,
22 just for illustration purposes, if you take those
23 eight hundred and forty-four thousand (844,000) and
24 you divide it by forty-two (42) years, you get a
25 credit of about \$20,000 per year in the right column.

1 MS. MICHELLE HOOPER: Yes, that's
2 correct.

3 MR. SVEN HOMBACH: Okay. So, we can
4 do this on a line-by-line item. We won't be doing
5 that today, but if you move down to turbines and
6 generators, it's about, I think, seven (7) lines down.

7 Here you have a situation where the
8 accumulated depreciation variance is positive. It's
9 about 1.2 billion.

10 MS. MICHELLE HOOPER: Yes, that's
11 correct.

12 MR. SVEN HOMBACH: Okay. So, that
13 means, at some point in time, that life span was
14 shortened when -- what you previously estimated.
15 Right?

16 MS. MICHELLE HOOPER: Yes.

17 MR. SVEN HOMBACH: Okay. So, here you
18 have a probable remaining life of that asset of forty
19 (40) years?

20 MS. MICHELLE HOOPER: Yes.

21 MR. SVEN HOMBACH: So, you divide the
22 1.2 billion by forty (40), you have an additional
23 depreciation expense of about thirty-one thousand
24 (31,000) per year?

25 MS. MICHELLE HOOPER: Correct.

1 MR. SVEN HOMBACH: Okay.

2 MR. PATRICK BOWMAN: Mr. Hombach, it's
3 -- it's Mr. Bowman here. Two (2) quick things. First
4 that -- that number is 1.2 million, not billion on the
5 screen. This is --

6 MR. SVEN HOMBACH: Thank you. I -- I
7 mis-spoke.

8 MR. PATRICK BOWMAN: That -- that's
9 fine, but the other comment is you mentioned that
10 those arise because you've changed the life estimate.

11 That is one of the reasons why you can
12 get variances. The other is because the assets
13 perform differently than expected. And, if it's
14 helpful in this same document, if I -- would take you
15 to page 225.

16 MR. SVEN HOMBACH: Yes.

17 MR. PATRICK BOWMAN: And Ms. Schubert
18 can pull that up. This is a different account, but
19 it's the one I happen to have in front of me -- 225.

20 And I worry that this is where angels
21 fear -- fear to tread in pulling up Iowa curves in the
22 room. I -- it's hard -- hard are broke.

23 This is a -- a -- graph prepared by Mr.
24 Kennedy, that shows with the black line the curve --
25 the -- the -- the expected life performance of this

1 asset. These are sub-station buildings. If we scroll
2 to the top you'll see that these are sub-station
3 buildings. It's the one I happen to have in front of
4 me.

5 The black line is how those assets are
6 expected to perform, given the life and dispersion
7 estimates that Mr. Kennedy prepared. The blue dots --
8 blue squares are how the assets have actually
9 performed.

10 And so, on something like this you will
11 see that there is a surplus because you haven't
12 necessarily had the retirements that -- that Mr.
13 Kennedy's math would have expected you to have. And
14 so, that's part of what's driving the variance that's
15 being amortized.

16 So, it's not just the change in life,
17 it's also a change in the asset performance.

18 MR. SVEN HOMBACH: Mr. Chair, may I
19 have an additional few minutes. I am almost done. I
20 just wanted to ask three (3) more questions on this.

21 Let's go to page 62 of this PDF please,
22 Ms. Schubert. And let's go to the bottom of this.

23 So -- so -- sorry, page 61. Now these
24 are the equal life group numbers and -- and, Ms.
25 Hooper, that shows that there is an under depreciation

1 of about 845 million for Equal Life Group. Correct?

2 MS. MICHELLE HOOPER: Yes, that's
3 correct.

4 MR. SVEN HOMBACH: And let's contrast
5 with the same number for average service life, which
6 can be found at page 91 of the document which is about
7 1.2 billion. Correct?

8 MS. MICHELLE HOOPER: Yes, that's
9 correct.

10 MR. SVEN HOMBACH: So -- so, that
11 means that under either of those two (2)
12 methodologies, Manitoba Hydro has over-depreciated
13 quite significantly, has it not?

14 MS. MICHELLE HOOPER: Under either
15 methodology, our book depreciation is significantly
16 higher than the calculated accrued depreciation, but
17 that doesn't mean that we have gouged our customers in
18 the past. That is based on the assumptions in place.

19 I do have a Schedule, that's not on the
20 record, that breaks that down into how much of those
21 variances are due to change in service life
22 assumptions versus removal of net salvage versus
23 change to the EGL methodology. So, if it would be
24 helpful --

25 MR. SVEN HOMBACH: If --

1 MS. MICHELLE HOOPER: -- you can put
2 that on the record.

3 MR. SVEN HOMBACH: If you could put
4 that on the record, that would be appreciated. Yes.
5 Thank you.

6 Now, Ms. Hooper, I certainly wasn't
7 suggesting that Manitoba Hydro had gouged, but, as I
8 understand it, the intention of the Utility is to
9 credit these amounts over the weighted remaining
10 service life of the assets. Correct?

11 MS. MICHELLE HOOPER: On an account-
12 by-account basis. Yes.

13 MR. SVEN HOMBACH: And my -- my -- my
14 last question, and I'll open it up to anybody is:

15 Do you think that it is the appropriate
16 account or should this be credited over a shorter
17 amount of time, considering that current ratepayers
18 may have been paying this additional depreciation
19 expense in the past?

20 MS. MICHELLE HOOPER: My understanding
21 is this is the most widely used meth -- like approach
22 that's applied to recovering accumulated depreciation
23 variances is to allocate, like, to recover them over
24 the remaining life of the accounts.

25 MR. SVEN HOMBACH: Mr. Madsen and Mr.

1 Bowman, any comments on that issue?

2 MR. DUSTIN MADSEN: Sure. I can chime
3 in and Mr. Bowman can -- may supplement.

4 So, there -- pardon me -- there are
5 other jurisdictions, Alberta is one of them, that has
6 looked at accelerating the recovery of these
7 differences, where they are significant and,
8 particularly, where they have occurred over a,
9 potentially, a short period of time, due to either
10 changes in lives or a build-up of assets.

11 In Alberta, the Alberta Utilities
12 Commission ordered refunds of, I think, hundreds of
13 millions of dollars, Patrick, in previously collected
14 -- accumulated depreciation variances for one utility,
15 AltaLink, and they accelerated those refunds over a
16 very short period of time.

17 But, generally speaking, as Ms. Hooper
18 has said, the -- the period of collection is generally
19 over the expected remaining life, but there is some
20 history and practice of other regulators doing it
21 differently, particularly, where those balances are
22 large and not expected to unwind quickly.

23 MR. SVEN HOMBACH: So -- so, Mr.
24 Bowman, before you chime in, I have one other question
25 for Mr. Madsen.

1 And, Mr. Madsen, if we contrast these
2 1.2 billion against an original cost of about 22
3 billion in column 1, is this a normal percentage or is
4 this unduly high or unduly low, in your view?

5 MR. DUSTIN MADSEN: I wouldn't say
6 it's entirely irregular. You -- you'd prefer to have
7 these balances be smaller, to the extent necessary,
8 and rebalanced a lot quicker, and you'd prefer not to
9 have something be it roughly -- I think this is
10 roughly 5 percent of the initial, original cost, maybe
11 a bit more than that.

12 I think you'd prefer to have it at a
13 lower amount, but I wouldn't -- I -- I'd say that I've
14 -- I've seen balances of a similar magnitude in other
15 utilities be left --

16 MR. SVEN HOMBACH: Sure.

17 MR. DUSTIN MADSEN: -- and, then, not
18 accelerated.

19 MR. SVEN HOMBACH: Mr. Bowman...?

20 MR. PATRICK BOWMAN: The Hydro's
21 proposal is appropriate and it's one of the reasons I
22 -- I -- I didn't comment on it, in my evidence.

23 The only sort of asterisks I'll put on
24 that is, I did go back and look at the recent studies
25 and, sometimes, you might get a bit concerned, if you

1 see these balances growing and growing and growing,
2 not actually get resolved, like the idea is it's a
3 surplus. We're going to amortize it into -- into
4 income. It should get smaller, not bigger.

5 And what we're actually seeing is that
6 it is getting bigger. In 2012, I pulled up the number
7 and the E -- the ELG number was 594 million. It's now
8 up, under Concentric, to about 850. So, even though,
9 in theory, we had a 594 million surplus, we should
10 have been amortizing. In -- instead -- in -- in the
11 intervening 10 years, it grew.

12 And, under ASL, I -- I wasn't able to
13 pull up the 2012 number quickly, but the 2014 number I
14 have 1.026 billion and that is now up to 1,691 billion
15 and I'm quoting the numbers with Wuskwatim in them but
16 Wuskwatim is not much of a factor.

17 So, the fact that it's continuing to
18 grow may suggest to one that you should consider
19 taking some action, but I -- I didn't think it was the
20 key issue today.

21 But I would say it's -- it's a good
22 reason not to write off the -- the deferral account,
23 as you said, otherwise that 1.2 something you saw
24 there, that would be 1.5 or 1.6, which is just, what -
25 - at some point it's getting it little -- a little

1 large to just leave on the books.

2 MR. SVEN HOMBACH: Thank you, members
3 of the panel, Mr. Chair. Those are my questions on
4 this issue. I'll leave it up to you as to whether we
5 should take the afternoon break now or proceed with
6 Mr. -- with Dr. Williams and break after his
7 examination.

8 THE CHAIRPERSON: Ms. Bellringer has a
9 question or sub question.

10 BOARD MEMBER BELLRINGER: Well, it's
11 just a quick followup on this one and it's -- have you
12 -- are there alternative ways of tracking this kind of
13 difference? Like does anyone actually set it up in
14 any kind of deferral account, or like it's, if you
15 will, off the books.

16 Just -- I mean, you know, you track it
17 and then the -- the true-up regularly takes care of it
18 over the next estimated period. So, I'm just -- I'm
19 curious more than anything, because I -- you know, I'm
20 -- I wasn't -- like I couldn't figure it out right at
21 first.

22 And then I realized, oh, it's not
23 showing up anywhere. You have to know to go into the
24 Depreciation Report. So, I was wondering if anyone
25 deals with it any other way?

1 MR. PATRICK BOWMAN: Well, the most
2 common alternative, which was earlier in our issue
3 list is whether you do a whole life or a remaining
4 life study. If you do a whole life study, you measure
5 this value and then you decide what you're going to do
6 with it.

7 If you do a remaining life study, you
8 don't even measure the value. You just take, here's
9 what's depreciated, here's what's left. I'll do
10 what's left over the remaining life.

11 So, it just gets rolled in over the
12 remaining life no matter what. And that would be the
13 more -- maybe I'll let -- Mr. Watson weigh -- weigh in
14 on this, but that would be, from my understanding,
15 much more the common way people do it with ASL studies
16 throughout the United States and -- and the like.

17 Whole life seems to be used a bit more
18 in Canada where you can report these balances. But
19 Mr. Madsen and I were in a hearing on -- on opposite
20 sides, I will say, in Alberta where there was a large
21 -- a large variance and there were two (2) things that
22 drove it.

23 First was, they had just built a giant
24 HVDC system and started depreciating it at a
25 relatively fast rate and then did -- done some studies

1 and decided to slow it down. And so, they had a large
2 surplus from the first five (5) years of going fast
3 and then slowing it down.

4 But that -- that didn't build up over
5 decades. That was just like three (3) or four (4)
6 years balance. So, they -- they sort of pushed that
7 backwards to customers quite quickly.

8 After that, there was -- there was then
9 a -- a look at the remaining balance. And the
10 remaining balance had been very large, similar to
11 here, and it had not been going down over decades.

12 And so there was some degree, if I
13 remember correctly, some degree of that was then
14 credited back to customers but -- but that -- that
15 second step is not -- I think you ought to be careful
16 on that.

17 The whole -- your estimates, estimates
18 change. You know, it doesn't take much of a swing in
19 some of your big accounts to see those numbers vary.
20 It looks big as a billion dollars, but as Mr. Madsen
21 says, it's like 5 percent of your assets.

22 So, I -- I just say, on that front,
23 yeah, remaining life is -- is vastly the most common
24 approach even if it's done through a whole life
25 estimate and then amortized the remaining life, or

1 done as a remaining life method.

2 And -- and I -- I see Mr. Madsen may
3 want to weigh in here. I -- I think his experience
4 would be useful.

5 MR. DUSTIN MADSEN: Since my name was
6 mentioned, may I speak?

7 I -- I totally agree. The -- the most
8 common method is remaining life. And -- and so that
9 would be over the -- equal to what you're doing in the
10 whole life approach by taking the remaining life to
11 carry that across.

12 And I have seen negatives of this nitro
13 swing to positives and then back to negatives. So,
14 you need to be careful about you're looking at a
15 theoretical reserve. And the theoretical reserve is
16 based on a number of parameters.

17 So, you've got to be careful not to
18 make a -- a quick, sort of -- a quick reaction to
19 something. And you also, I think, need to ask if it
20 was a positive instead of a negative, would you be
21 recovering it over five (5) years, and to make sure
22 you're not biasing because of which direction it is.
23 I think that's only fair in that.

24 THE CHAIRPERSON: Okay. You know
25 what, we'll take the -- the break and resume at 2:25.

1 --- Upon recessing at 2:10 p.m.

2 --- Upon resuming at 2:26 p.m.

3

4 THE CHAIRPERSON: Dr. Williams...?

5 DR. BYRON WILLIAMS: Thank you.

6

7 CROSS-EXAMINATION BY DR. BYRON WILLIAMS:

8 DR. BYRON WILLIAMS: Mr. Fogg, just at
9 a -- at a high level, you recall the joint document
10 prepared by Hydro and the independent experts which
11 we've marked as PUB Exhibit 20?

12 You remember that document, sir?

13 MR. ALASTAIR FOGG: Yes, sir, I do.

14 DR. BYRON WILLIAMS: And again, I
15 don't need to turn you there, but in part 7 of that
16 document, there was a financial analysis comparing the
17 -- the consequences of depreciation procedure ALG
18 versus ELG in terms of forecasted net income, et
19 cetera.

20 You remember that generally, sir?

21 MR. ALASTAIR FOGG: I -- I do, and I
22 believe in that case we were doing it to isolate
23 certain aspects around the depreciation issues to show
24 financial impacts.

25 DR. BYRON WILLIAMS: And just in terms

1 of the analysis that underlay the ALG scenarios, that
2 -- that was based upon the depreciation study provided
3 by Alliance, agreed?

4 MR. ALASTAIR FOGG: Agreed.

5 DR. BYRON WILLIAMS: And it is
6 Manitoba Hydro's position, sir, that the depreciation
7 Alliance -- sorry, that an IFRS-compliant ALG method -
8 - methodology can likely be achieved with a lower
9 level of componentization than identified in the
10 Alliance study, correct?

11 MR. ALASTAIR FOGG: Yes, that's our
12 position. We anticipate we can go through the -- the
13 components identified and identify some that may be
14 non-material or insignificant from a -- a revenue
15 requirement or -- or depreciation expense perspective.

16 DR. BYRON WILLIAMS: Okay. Thank you.
17 And, Mr. Madsen, in your evidence -- I don't think I
18 need to take you there -- you suggest that none of the
19 changes being proposed in Alliance's Consulting's
20 IFRS-compliant depreciation study for ALG are
21 significant, either individually or in aggregate.

22 Agreed?

23 MR. DUSTIN MADSEN: That's correct.

24 DR. BYRON WILLIAMS: Mr. Bowman, I
25 want to take you to PUB 20, Exhibit 20, page 30, and

1 the -- the third last paragraph on that page.

2 And -- and, Mr. Bowman, if you'll
3 permit me an editorial comment, you say you're not
4 passionate about depreciation, but I can sense
5 differently, sir.

6 In this paragraph, sir, you -- you are
7 asserting that -- first of all, that assertions that
8 have been made about the need for additional
9 componentization only if implementing ALG are not
10 well-founded, that's one (1) of the points or
11 observations you suggest?

12 MR. PATRICK BOWMAN: Yes.

13 DR. BYRON WILLIAMS: And I want to
14 direct your attention to the last sentence of this
15 paragraph, sir:

16 "Now that Alliance has identified
17 accounts whereas assets of
18 materially different levels are
19 mixed, it is incumbent on Hydro to
20 consider implementing these
21 components whether using ELG or
22 ASL."

23 That's reflective of the statement you
24 made, sir?

25 MR. PATRICK BOWMAN: Yes.

1 DR. BYRON WILLIAMS: And, Mr. Bowman,
2 what's the logic flowing from that statement? Are you
3 suggesting that more componentization is required with
4 -- with regard to ELG, or are you simply saying that
5 we have to understand that -- that more be -- more may
6 be required for -- for -- from both procedures?

7 MR. PATRICK BOWMAN: I'm not
8 commenting on procedure there. It is procedure
9 indifferent. It is saying that when you bring in
10 someone like Dane Watson who has the experience he has
11 and he looks at your accounts and he says, I've got
12 some examples of things that should be divided in the
13 material, that you -- you should consider that,
14 including whether -- even if you're staying under an
15 ELG procedure.

16 And -- and I believe Mr. Fogg agreed
17 with that this morning, that they would be looking at
18 some additional components under an ELG procedure.

19 DR. BYRON WILLIAMS: Thank you. Mr.
20 Bowman, if we can go up to the -- this is still PUB
21 Exhibit 20, the bottom of page 29, the top of page 30.
22 And maybe, Ms. Schubert, Mr. Bowman, we can scroll
23 down now on to page 30.

24 Mr. Bowman, in this paragraph, you're
25 suggesting that while the -- the current estimated

1 difference may be as -- as small as 15 million per
2 year, comparing ALG and ELG, you expect that that gap
3 is likely to increase.

4 Is that your point, sir?

5 MR. PATRICK BOWMAN: Yes.

6 DR. BYRON WILLIAMS: And at slide 6 of
7 your presentation this morning, sir, you went through
8 a range of cost impacts of the -- of the difference
9 between ELG and ALG.

10 Do you recall that, sir?

11 MR. PATRICK BOWMAN: Yes.

12 DR. BYRON WILLIAMS: And, sir, in
13 essence, you flagged for our attention the 267 million
14 that would flow if we were using the Alliance approach
15 to ALG, that 267 million difference?

16 MR. PATRICK BOWMAN: Yes.

17 DR. BYRON WILLIAMS: And you also
18 highlighted differences of between 680 million to 1
19 billion. And, sir, did that flow from the Concentric
20 analysis?

21 MR. PATRICK BOWMAN: No, that flew --
22 flowed -- flew -- flowed from Information Request
23 posed by the Board to Manitoba Hydro to use some
24 different scenarios. And it's in PUB/MH-1-32.

25 DR. BYRON WILLIAMS: Okay. In

1 essence, sir, you've got a range here between 267
2 million and 1.3 billion in terms of potential impacts
3 on retained earnings from the adoption of ALG.

4 Is that what you're suggesting?

5 MR. PATRICK BOWMAN: I'm saying that
6 those numbers are in the record at various places. I
7 think the -- some of them obviously are very large,
8 and they -- they suffer from the problem of looking
9 forward twenty (20) years and taking a set of
10 depreciation estimates and assuming those continue to
11 apply for the next twenty (20) years.

12 And they use the same estimates even
13 though each of those is deferring different balances
14 which we know isn't consistent because those deferred
15 balances will become part of the accumulated
16 depreciation for the calculation of the next study,
17 right?

18 So you can't have the same rate arise
19 in future with two (2) different accumulated
20 appreciations assumed in the future. So we don't --
21 we don't have a full, perfect, twenty (20) year
22 pathway under -- you know, under an ASL path.

23 DR. BYRON WILLIAMS: And you do
24 suggest that the likely final answer of the ALG
25 benefit is in the middle of this range, agreed?

1 MR. PATRICK BOWMAN: I -- I -- yes, I
2 say that. Middle -- by 'middle', I don't mean average
3 or mean. I mean it's somewhere -- in my submission,
4 by the time we're done, it would be somewhere higher
5 than two sixty-seven (267) and somewhere lower than
6 probably the -- you know, the top of this range.

7 But I -- I hesitate to guess, but I --
8 I don't -- I don't want it to be read as meaning the -
9 - the midpoint.

10 DR. BYRON WILLIAMS: Well, let me push
11 you just a little bit, sir.

12 Do you expect the upward development
13 from that two sixty-seven (267) lower-bound to be
14 significantly more than 267 million?

15 MR. PATRICK BOWMAN: I -- I expect it
16 to be more than two sixty-seven (267). I think it's
17 likely it would be significant -- significant, you
18 know, very possibly into -- into nine (9) figures.
19 But beyond that, I think -- I think it would be
20 important to give Hydro the time to figure out which
21 components it's adding and -- and to figure out how to
22 -- how to assign lives to those.

23 To give you an example, though, the
24 seven thirty (730) is -- is alternative 4, which would
25 be keeping C-GAAP rates -- the -- the -- I'm going to

1 call it C-GAAP, but keeping ASL rates as prepared by
2 Mr. Kennedy on his consistent -- you remember Mr.
3 Kennedy's prepared the last four (4) or five (5)
4 depreciation studies for -- for Manitoba Hydro.

5 It's Mr. Kennedy's judgment applied to
6 the current componentization using, you know, lives
7 that are independent of the -- of the procedures
8 selected and applied with -- with the -- the balances
9 being amortized.

10 And so, it's -- it's probably not a bad
11 number as far as what would happen if we -- if we
12 effectively adopted Alternative 4 permanently. I
13 think that's pretty close to what Mr. Hombach was
14 asking this morning with his hypothetical.

15 The Board says keep the rates designed
16 the way you used to, amortize as needed, and -- and
17 move on.

18 DR. BYRON WILLIAMS: Okay. Thank you.
19 I am going to turn to -- ask to turn to Mr. Bowman's
20 evidence, but I am going to give Mr. Madsen and a
21 witness from Manitoba Hydro a chance to comment on --
22 on the next -- next couple of questions.

23 And, Ms. Schubert, I think I asked you
24 to turn to page 24, but I'm actually going to ask you
25 to turn to page 25 instead of Mr. Bowman's evidence,

1 which is MIPUG 20 -- MIPUG 6, yeah. And right there
2 is fine for right now.

3 Mr. Bowman, in your written evidence,
4 as well as in your direct evidence this morning, you
5 made the point that when one is estimating
6 depreciation, you have to look both at the average
7 service life, as well as dispersion around the average
8 service life.

9 Is that correct, sir?

10 MR. PATRICK BOWMAN: Yes.

11 DR. BYRON WILLIAMS: And when we talk
12 about dispersion around the average service life,
13 we're talking about detailed estimates of how
14 retirements will vary around the average, agreed?

15 MR. PATRICK BOWMAN: Yes.

16 DR. BYRON WILLIAMS: And, sir, one of
17 the points you make about ALG is that the selection of
18 the dispersion is of limited importance?

19 MR. PATRICK BOWMAN: Less -- much
20 lesser importance than -- than ELG, correct.

21 DR. BYRON WILLIAMS: And, of course,
22 the point you're making about ELG is, in terms of it,
23 at the first sentence on this page being 25, it's
24 significantly more complicated.

25 Much of that complication relates to

1 the estimates of the dispersion around the -- the
2 range, agreed?

3 MR. PATRICK BOWMAN: Correct, as well
4 as in the mathematics to implement the varying equal
5 life group rates.

6 DR. BYRON WILLIAMS: Okay. And if we
7 could just scroll up -- sorry, scroll down on this
8 page to the 3. And, Ms. Schubert, just go up just a
9 little bit. I want to see the sentence just above
10 that.

11 One (1) of the concerns, sir, I'll
12 suggest to your raising about the ELG approach is that
13 to make those estimates relating to dispersion around
14 the average, you need access to good actuarial data,
15 agreed?

16 MR. PATRICK BOWMAN: Yeah. Good
17 actuarial data is an important input to considering
18 the -- the dispersion.

19 DR. BYRON WILLIAMS: And, sir, I'm
20 going to ask you to comment on item --

21 THE CHAIRPERSON: Sorry to interrupt.
22 Mr. Bowman, can you move the mic a little closer to
23 you. I'm just missing some of your comments. Thanks.

24

25 CONTINUED BY DR. BYRON WILLIAMS:

1 DR. BYRON WILLIAMS: Mr. Bowman, and
2 then alerting the other witnesses, I'll ask them to
3 comment generally, as well.

4 You make -- you give three (3) examples
5 here in -- in which you're trying to support your
6 assertion that access to this very good actuarial data
7 -- or it may require data that is -- is not typical of
8 Hydro's assets.

9 And I wonder if at a high level you can
10 highlight these three (3) points here, sir?

11 MR. PATRICK BOWMAN: Sure. And -- and
12 I would use this to help also draw the distinction
13 between, in some ways, the type of accounts Hydro has
14 versus some of the utilities we see using ELG.

15 The first point noted is that in order
16 to develop good estimates of -- of a life in
17 dispersion, it is helpful to have a statistically
18 meaningful number of individuals.

19 And for many types of Hydro's accounts,
20 that is possible, things like trucks, computers, you
21 know, even distribution poles. For many types of
22 Hydro's accounts, including things like -- like
23 spillways, there are relatively few individuals, and
24 retirements are -- are rare, and we can go to some
25 examples to show.

1 Second is that in order to use the
2 Utility's own data, which is usually the best source
3 of -- of estimates, it's helpful to have a set of data
4 that is relatively complete through a life cycle.

5 So, if you have, you know, fifty (50)
6 year poles and you have history of -- of many, many
7 decades of records of -- of the forms of poles in your
8 -- your climate and with your type of capital
9 investment approaches, you can develop some pretty
10 good statistical work on that.

11 If you're dealing with something like -
12 - like Hydro's powerhouses which, you know, Pointe du
13 Bois is the -- the first one we're really taking on in
14 a -- in sort of a major redevelopment way, you don't
15 necessarily have a lot -- a lot to go on.

16 So, I think if you -- if you look at
17 some of the numbers Hydro's using, I'm not saying this
18 is inappropriate. Hydro is using a hundred and
19 twenty-five (125) years for its -- its major hydro
20 dams. Well, most of its hydro investment is -- is
21 from the seventy something fifties, but it's not --
22 they don't have a lot of a hundred and twenty-five
23 (125) year assets built out to sort of zero in on
24 that.

25 And the third is that you would want to

1 be able to use that data to develop the actuarial
2 estimates on the assumption, and -- and reflecting
3 hopefully underlying facts, that the performance of
4 the -- of the earlier assets is reasonably similar to
5 what you expect in the future.

6 The more you get to very long lived
7 assets or -- or very quick changes in technology, for
8 example, that becomes more challenging.

9 And so, where you have something like -
10 - like, again, you know, hydro dams, well, okay, we've
11 got Pointe du Bois. We can do some analysis on Pointe
12 du Boise. But I do recall the hearing we were in some
13 time ago which talked about the fact that Pointe du
14 Bois was -- was built with concrete, with a source
15 that is more acidic than the rest of the dams here,
16 and so its life's expected to be shorter.

17 So, you know, if -- if you don't -- if
18 the data you're relying on is not representative of
19 what you're going to have in future, then it's -- then
20 -- then that set of inputs is also -- is also weaker.

21 Now, none of that's unique to Hydro.
22 It's just that Manitoba Hydro with its particular mix
23 of assets -- and -- and when I say "assets," I'm --
24 I'm really more focussing on generation here, to some
25 extent, transmission.

1 But Hydro's particular mix of assets is
2 -- is pretty uniquely challenging in that regard.
3 Some other -- some other utilities are starting to get
4 into this issue with things like plastic pipe that
5 might last forever, you know, or -- or darn close to
6 forever.

7 But -- but even with Manitoba Hydro's
8 situation, it's -- it's not like -- it's not like
9 AltaLink in -- in Alberta or -- or primary
10 distribution.

11 DR. BYRON WILLIAMS: Okay. And, Mr.
12 Watson, I see you leaning in at the request of Ms.
13 Hooper, so I'm going to go to you next. And please
14 take a couple moments and share your thoughts on this,
15 please.

16 MR. DANE WATSON: Okay. So, relative
17 to hydro facilities, I'd just like to make sure we
18 level set. If he's talking about dams and concrete
19 facilities, and a hundred and twenty-five (125) years
20 is what we projected, that is though an interim
21 retirement pattern.

22 What that means is, what we're relying
23 on is a terminal retirement date. And all this is
24 doing is saying there are going to be some assets that
25 will retire prior to whatever the terminal retirement

1 date is.

2 So, we have to keep in perspective what
3 we're talking about. Most of the assets with
4 generation, which are the -- the hydro, which is what
5 they're pointing to, this has very little bearing on
6 those types of things.

7 And to the do -- the degree they do,
8 setting a hundred and twenty-five (125) year life
9 means that we're only projecting a percent -- 5
10 percent of the total investment is going to be retired
11 at eighty (80) years.

12 So, as a backdrop to doing ELG or ALG,
13 in -- in situations like that, we're being very
14 conservative. And we know that there will be some
15 assets that will retire.

16 Now, if you use ALG, you're doing
17 basically one (1) over one twenty-five (125), more so
18 than ELG. ELG is saying, okay, based on this hundred
19 and twenty-five (125) year curve, I know that a
20 percent of this may retire at a year hundred.

21 And so, that's better than saying, no,
22 then the average is one twenty-five (125) because we
23 know some really will. Do we have a hundred and
24 twenty-five (125) years of historical data to do a
25 full life cycle? No, but we have pretty good

1 estimates.

2 We know that there will be some
3 retirements. And we can make a pretty good educated
4 estimate of the different types of curves, the pattern
5 of curves because, you know, when you're working with
6 these assets across the whole industry, you sort of
7 have a feel for how they retire and their forces of
8 retirement and their mortality sets.

9 So, you know, to me, you know, ELG --
10 any of the theoretical literature -- I mean, the
11 people that originally created the ELG curve, the --
12 the -- Dr. Robley Winfrey, that was -- that created
13 the whole system we used, Wolfe and Fitch (phonetic),
14 who is the people -- the book, everybody, that's been
15 around a while has been taught from.

16 You know, the book that I edited, the
17 (INDISCERNIBLE) book, all of them will say that ELG is
18 a better representation of the pattern of retirement
19 of assets because it does reflect that some assets
20 retire earlier than the average.

21 ALG doesn't. It reflects an average.
22 One (1) over fifty (50).

23 And so, you know, I sort of disagree
24 with that. And -- and the fact that there's not as
25 much information doesn't mean it's not better to do

1 something that reflects reality better than something
2 that just says, Oh, we don't know positively for sure,
3 so therefore, we're not going to do it.

4 DR. BYRON WILLIAMS: Okay. I'm going
5 to just ask if I can ask Mr. Madsen -- because I want
6 to do one more question after this -- if you have any
7 kind of conclusionary comments?

8 MR. DUSTIN MADSEN: Sure. I'll --
9 I'll just be really quick.

10 I agree with Mr. Bowman's points 1, 2,
11 and 3. I would just add with point 2, whether doing
12 ALG or the ELG procedure -- if you're faced with
13 incomplete data, you're likely faced with what's
14 termed a stub curve, which is a curve that doesn't go
15 all the way to the end.

16 In that case, as Mr. Bowman has
17 suggested, you might need to use some judgment as to
18 what weight you place on that stub curve.

19 In my practice, I -- I tend not to
20 completely discount any information from the stub
21 curb. It's -- it's still data. But I would just
22 caveat that. I mean, if there's incomplete
23 information, it can still be data that could be
24 valuable.

25 DR. BYRON WILLIAMS: I want to turn to

1 Mr. Bowman's evidence again, in MIPUG-6, page 35. And
2 right there is fine. Actually, scroll up just a bit.
3 Thank you.

4 Mr. Bowman, right near the end of Mr.
5 Hombach's conversation, you adverted to this. But at
6 the top of this page, we see an -- an estimate of
7 surplus accumulated depreciation of 857 million under
8 ELG; under ALG, a surplus of in excess of 2.1 billion.
9 Agreed?

10 And you're also noting these estimates
11 are growing as compared to the 2014 respective
12 elements -- estimates both for ELG and ALG, correct?

13 MR. PATRICK BOWMAN: Yes.

14 DR. BYRON WILLIAMS: Sir, from a
15 perspective of intergenerational equity and just and
16 reasonable rates, what, if any, inferences do you --
17 do you draw from -- from the -- both the surplus and
18 the continued, what I would characterize as,
19 deterioration in the surplus?

20 MR. PATRICK BOWMAN: Well, it --
21 'deterioration' is your word. The -- the fact that
22 there's a surplus is -- is indicative of the
23 performance of the assets. And to some extent, the
24 fact that the lives have been lengthened since the
25 depreciation expense was recorded in past years.

1 The fact that it continues to grow
2 means that the efforts to amortize it have not yielded
3 a reduction in this value. It's continued to grow.

4 That may be an indication that your
5 lives are -- are too short. And as a result, your
6 assets are out-performing the estimates you've put on
7 them.

8 But it may also be, I'll say, a -- a
9 quirk. I hate to call \$250 million a quirk. But as -
10 - as Mr. Watson noted, you know, in relation to the
11 size of the asset base, these are actually fairly
12 small numbers. So I wouldn't read too much into it
13 until one, sort of, notes the pattern and sees -- and
14 see if it is sustained for long periods.

15 Either way, I think it would be a
16 fairly -- it would be a fairly high hurdle to say that
17 you'd want to do something other than take these
18 balances and amortize them over the remaining life.

19 DR. BYRON WILLIAMS: Thank you. Mr.
20 Chair, I said I'd do this in half an hour. I think I
21 started at 2:18, so I think I'm pretty close.

22 So that would conclude my --

23 THE CHAIRPERSON: You actually did
24 better. You started at 2:25, so.

25 DR. BYRON WILLIAMS: Oh. Well, that's

1 okay. So I'm okay.

2 THE CHAIRPERSON: Very good. Mr.

3 Reimer...?

4 MR. THOMAS REIMER: Thank you, Mr.

5 Chair.

6

7 CROSS-EXAMINATION BY MR. THOMAS REIMER:

8 MR. THOMAS REIMER: Good afternoon.

9 I'm just going to go from here. Mr. Bowman will hear
10 a disembodied voice, but I believe that won't be a
11 problem. So this is likely a question for Ms. Hooper.

12 If I understand correctly, one (1) of
13 the issues that Manitoba Hydro has identified with
14 respect to ALG is that -- or one (1) of the reasons
15 for its preference not to move to ALG is the
16 additional resources that would be needed to make the
17 transition. Do I have that right?

18 MS. MICHELLE HOOPER: The additional
19 componentization that we believe is necessary would
20 require both an implementation, so there's additional
21 resources one time for the implementation. And then
22 there's additional administrative effort on a go-
23 forward basis that affects everyone that works on
24 capital.

25 So it's not ALG itself that we have a

1 concern with, it's the componentization that causes us
2 an issue from a -- from a cost perspective.

3 MR. THOMAS REIMER: And
4 componentization analysis is something that Manitoba
5 Hydro does as part of its regular depreciation
6 analysis, is that right?

7 MS. MICHELLE HOOPER: Yes, we review
8 componentization at each depreciation study.

9 MR. THOMAS REIMER: And at present,
10 the financial reporting depreciation expense differs
11 from regulatory reporting depreciation expense?

12 MS. MICHELLE HOOPER: Yes.

13 MR. THOMAS REIMER: And you outlined -
14 - or sorry, Mr. Madsen outlined some of the things
15 that he expected would be done. I believe you also
16 spoke about the fact that you do the ELG within the
17 SAP system, and then you do a spreadsheet analysis
18 with respect to the C-GAAP for regulatory purposes.

19 Do I have that right?

20 MS. MICHELLE HOOPER: Yes, that's
21 correct.

22 MR. THOMAS REIMER: And so, that
23 requires Manitoba Hydro to do two (2) different
24 depreciation expense amounts?

25 MS. MICHELLE HOOPER: Yes.

1 MR. THOMAS REIMER: And it required
2 Hydro to calculate, track, and reconcile differences
3 in gains and losses, total depreciation expense, and
4 accumulated reserve account balances for each year
5 between the two (2) methodologies?

6 MS. MICHELLE HOOPER: We track
7 differences in depreciation expenses. The gain and
8 loss deferral is just the total amount that was booked
9 on Manitoba Hydro's -- for financial reporting
10 purposes.

11 So there's no, kind of, reconciliation
12 there.

13 MR. THOMAS REIMER: Okay. So you --
14 so you're disagreeing with me on the gains and losses
15 then?

16 MS. MICHELLE HOOPER: We don't
17 calculate the ASL losses on a regular basis. We
18 calculated them for purposes of the scenarios
19 presented in this proceeding.

20 MR. THOMAS REIMER: Okay. And if I
21 understand correctly, Manitoba Hydro acknowledges that
22 whichever way the Board decides -- whether it be ELG
23 or ALG -- Manitoba Hydro would like to use a
24 consistent approach to both financial reporting and
25 regulatory reporting. Is that -- is that right?

1 MS. MICHELLE HOOPER: Yes, that's our
2 preference.

3 MR. THOMAS REIMER: And so, you will
4 experience some efficiency as a result of the move
5 away from two (2) methods to one (1)?

6 MS. MICHELLE HOOPER: There will be
7 some efficiency, but really we're talking one (1) or
8 two (2) people with a few hours a month in corporate
9 accounting and maybe, you know, a little longer when
10 we're doing a rate proceeding. It's not a huge amount
11 of efficiency.

12 And that's because the cost base for
13 both the financial reporting and the regulatory
14 depreciation is the same. So it's -- there's
15 relatively -- it's not a complicated calculation to
16 determine the amounts.

17 MR. THOMAS REIMER: And -- sorry, I've
18 got a lot scratched out here, so I'm just trying to
19 see what's still on my list.

20

21 (BRIEF PAUSE)

22

23 MR. THOMAS REIMER: And so, Manitoba
24 Hydro's position is that alternative 2 can't be
25 implemented immediately, right?

1 MS. MICHELLE HOOPER: That's correct.
2 Based on our -- our belief that we need more
3 componentization.

4 MR. THOMAS REIMER: And -- and so --
5 and that's -- my next question was -- and I'm going to
6 use a much simpler way of describing it.

7 You believe there's additional work
8 that would need to be done?

9 MS. MICHELLE HOOPER: Yes, as I
10 indicated in our direct presentation.

11 MR. THOMAS REIMER: And if I could get
12 Ms. Schubert to bring up Appendix 4.3.

13 And I heard Mr. Fogg give evidence this
14 morning about additional FTE levels that -- that would
15 be required. But I also heard him say that it would -
16 - that the additional FTE levels would not be material
17 in terms of rates. Did I have that right, Mr. Fogg?

18 MR. ALISTAIR FOGG: That -- that's
19 correct. Our estimation was it's, you know -- I don't
20 -- we don't know exact numbers but we don't want to
21 anticipate it's an amount that would be material from
22 an overall operating and admin expense perspective.

23 It's just to flag that there is an
24 anticipation of additional operating costs associated
25 with that transition to an ALG approach, both one time

1 and ongoing.

2 MR. THOMAS REIMER: And if I could get
3 Ms. Schubert to Appendix 4.3, page 22. And, pardon
4 me, I -- I need to bring it up on my computer, as
5 well, so just give me one moment, please.

6

7 (BRIEF PAUSE)

8

9 MR. THOMAS REIMER: Thank you. Sorry
10 for that. So, I'm looking at -- oh, pardon me.
11 Sorry, Ms. Schubert, I meant 25 of 35. And I'm
12 looking at the last paragraph of the top section, so
13 above the heading 1.4.10, there's -- there's that
14 paragraph that begins, 'Manitoba Hydro has not
15 calculated', do you see that, Mr. Fogg?

16 MR. ALASTAIR FOGG: Yes, I do.

17 MR. THOMAS REIMER: And so, initially,
18 Manitoba Hydro's position was that the FTE additions
19 would be material relative to the benefit to
20 customers. Do you see that at line 10?

21 MR. ALASTAIR FOGG: Yes, I do.

22 MR. THOMAS REIMER: And, and if I
23 understand correctly, you've re-evaluated that
24 position and you've determined it would not be.

25 MR. ALASTAIR FOGG: So, I think what

1 we were trying to say, and maybe not as precisely here
2 as -- as -- is that on an overall operating and admin
3 perspective and the expense, those costs are not
4 material, but relative to the benefit of -- to the
5 customers who -- what we believe we've highlighted in
6 the depreciation issues document is that it didn't
7 modify the rate path or our target to the -- that --
8 capitalization ratio and as such you're, essentially,
9 incurring additional operating expenses to end up in
10 the same place.

11 MR. THOMAS REIMER: And, if we go up
12 two (2) pages to page 23. So, at the bottom of this -
13 - so I think this section actually -- starting at
14 1.4.9, the heading talks about the steps that Manitoba
15 Hydro believed it needed to do in turn -- in order to
16 -- convert from ELG to an ALG or ASL methodology.

17 Is that right?

18 MR. ALASTAIR FOGG: That's right.

19 MR. THOMAS REIMER: And one of the
20 things I noted down a page, on page 24, the fourth
21 bullet, middle of the page, it's line 18. There's
22 something, it starts 'notably'.

23 Do you see where I am?

24 MR. ALASTAIR FOGG: Yes.

25 MR. THOMAS REIMER: And so it says:

1 "Notably with the Corporation
2 transitioning to SAP S/4HANA, and
3 implementing the IT aspect to
4 Strategy 2040 initiatives..."
5 et cetera.

6 So, as you might imagine, Mr. Fogg,
7 this jumped out at me in the context of the evidence
8 that we heard last week with respect to a decision not
9 having been made.

10 I just wanted to put this to you and
11 make sure that I didn't misunderstand the evidence
12 last week and that there hasn't been a decision,
13 'cause this appears to be --

14 MR. ALASTAIR FOGG: No, there hasn't
15 been the decision on --

16 MR. THOMAS REIMER: Okay.

17 MR. ALASTAIR FOGG: -- SAP. I think
18 what we -- just wanted to highlight was that should we
19 transition to SAP S/4 if we also were adding
20 components to our existing SAP, depending on the
21 timing of those, we may make those changes in the
22 current system and then make those changes again in --
23 in a new SAP and similar resources would be working on
24 both of those projects as well.

25 MR. THOMAS REIMER: Right. And then

1 you -- you go on at line 21 to make the point that the
2 use of external resources may be available, but are
3 typically more expensive. And that's -- that comment
4 would still stand. Is that right?

5 MR. ALASTAIR FOGG: That's right.

6 MR. THOMAS REIMER: Now, as I
7 understood it originally when Manitoba Hydro filed its
8 application materials in November, it believed that it
9 needed to recalculate depreciation expense
10 retroactively going back to 2014.

11 Did I understand that correctly in
12 terms of your initial position in November?

13 MR. ALASTAIR FOGG: The initial
14 assessment was that it was a, I believe, if you scroll
15 up it was that we considered a change in accounting
16 policy. That was updated in -- and I don't recall the
17 specific Information Request, but it was updated to
18 note that it's a change in estimate, not a change in
19 accounting policy and that would be applied
20 prospectively as a result.

21 MR. THOMAS REIMER: And, so when you
22 were developing the -- the bullet list of things that
23 -- Manitoba Hydro believed it needed to do to make the
24 change to ALG, you believe that the accounting change
25 required retroactive work and as -- and sorry, this is

1 a long question, bear with me, if I need to break it
2 down, I can.

3 But, as a result of further analysis
4 that you did as a -- when you received Information
5 Requests, you determined that retroactive work was no
6 longer needed.

7 MR. ALASTAIR FOGG: That's correct.

8 MR. THOMAS REIMER: Okay. And so, in
9 other words the -- the -- the bullets that follow at
10 the bottom of '23 and into '24, at least anything that
11 relates to retroactive work is no longer needed from
12 Manitoba Hydro's perspective?

13 MR. ALASTAIR FOGG: Specific to the --
14 the -- the financial accounting statements, but Ms.
15 Hooper may be able to add to that.

16 MS. MICHELLE HOOPER: We updated that
17 in PUB/MH-1-115, part b, the list of work effort has
18 been -- has been modified to reflect a perspective
19 treatment instead of retrospective.

20 MR. THOMAS REIMER: Right. So, it
21 would be a lot -- a lot -- if I -- if I suggest to you
22 a lot less work, as a result of that Information
23 Request response than you initially believed in
24 November of 2022.

25 MS. MICHELLE HOOPER: It would be less

1 work. I don't believe it would be a lot less work,
2 because the retrospective is just a balance sheet --
3 balance sheet entries. So they're pretty -- it's --
4 with -- they have already been calculated so we would
5 book some balance sheet entries.

6 The -- the work effort is the -- is in
7 changing the systems and training people and
8 converting assets. That would happen regardless of
9 whether it's retrospective or prospective.

10 MR. THOMAS REIMER: Am I correct that
11 whether it's ELG or ALG that the Board decides is
12 appropriate for regulatory purposes, it's going to
13 resolve the depreciation issues in terms of the -- the
14 two (2) different methodologies that Manitoba Hydro
15 has been using, going back to 2014?

16 MS. MICHELLE HOOPER: Provided that
17 the Board's decision is an IFRS compliant version of
18 depreciation expense, yes, it would resolve the -- the
19 issues.

20 MR. THOMAS REIMER: But the Board's
21 direction would be a factor that you would need to
22 determine, in discussion with your -- your accounting
23 team, when it comes to deciding what is IFRS
24 compliant, right?

25 MS. MICHELLE HOOPER: If the Board

1 provides us direction that's different from what we
2 already believe to be IFRS compliant, then we would
3 have to take that away and -- and analyze it and
4 assess whether or not it was -- we were in agreement
5 that it was IFRS compliant.

6 And if it was not compliant, we'd be
7 looking at some kind of regulatory deferral going
8 forward.

9 MR. THOMAS REIMER: And -- and sorry,
10 this is more a point of clarification, because I
11 actually don't know the answer, but is your
12 regulator's decision not one of the factors that you
13 need to consider in -- in determining IFRS compliance?

14 MS. MICHELLE HOOPER: The regulator's
15 decision affects that net movement in regulatory
16 deferral accounts and the balances in your regulatory
17 deferral accounts. It doesn't affect your above-the-
18 line compliance with IFRS.

19 MR. THOMAS REIMER: This is a question
20 I'm going to direct to either of the Hydro witnesses
21 and then to Mr. Bowman, as well.

22 So, maybe I'll start with Manitoba
23 Hydro. Is there a practical reason for why private
24 utilities would want to use ELG over ALG?

25 I -- I have a suggestion, if -- if you

1 don't want to hazard your own.

2 MS. MICHELLE HOOPER: I believe Mr.
3 Madsen put some -- his position on this -- on the
4 record in his written evidence but it -- it's not
5 something that I personally would want to opine on.

6 MR. THOMAS REIMER: Okay. Well, I --
7 I'm not going to ask Mr. Madsen any questions for
8 probably obvious reasons, but I'm asking you as the
9 representative here for Manitoba Hydro dealing with
10 depreciation issues, in your understanding of the
11 various -- I'm going to get the word wrong -- methods
12 of depreciation -- so, we're dealing with ALG and ELG
13 and you've got an understanding of those.

14 And you've also got an understanding of
15 the industry in Canada, and I'm wondering if you can
16 provide your understanding of why a private entity
17 might want to use ELG rather than ALG.

18 MR. ALASTAIR FOGG: I -- I -- I'm --
19 Mr. Reimer, I'm not sure I'm prepared to say exactly
20 why I think they've elected to do that. I would --
21 they may believe that better reflects the consumption
22 of their assets or how their assets are depreciated.

23 MR. THOMAS REIMER: Is -- let me put
24 it -- let me put it a different way.

25 Is there a practical benefit to a

1 private utility, that's shareholder-owned, to use ELG
2 over ALG, that would not apply to Manitoba Hydro, as a
3 Crown-owned entity?

4 Perhaps, I should go to Mr. Bowman and
5 you can tell me if you agree or disagree with what he
6 says. Mr. Bowman, same question to you, please.

7 MR. PATRICK BOWMAN: Thank you, Mr.
8 Chairman, Members of the Board.

9 I've dealt with quite a few different
10 utilities over my career and I will say that, in my
11 experience dealing with utilities in the private
12 sector is that there can be two (2) different
13 motivations that are -- appear competing and that
14 depend on the priorities of the utility in question
15 that can be relevant to things like depreciation,
16 treatment of net salvage, what you do with those
17 surplus balances, and the like.

18 One of those groups of utilities will
19 tend to be the utilities who prefer not to generate
20 cash and would rather have a larger rate base, on
21 which they can earn a return. I would say that's the
22 minority. I can think of exactly one that I've dealt
23 who's in that situation and that utility works very
24 hard to ensure that -- that their depreciation is
25 minimized, because depreciation is a non-cash expense,

1 but it generates cash from rates.

2 And so, they, without naming or -- or
3 dealing with things that were in negotiating sessions
4 that were confidential, I'll say that some utilities,
5 or that one utility, at least, had an interest in
6 minimizing cash generation.

7 Outside of that, the normal tendency is
8 for utilities who -- and -- and I think this is in a
9 lot of the -- a lot of the literature -- it's a lot of
10 the -- the types of rationale to let people to adopt
11 performance-based rate-making and the like is a lot of
12 utilities will have an incentive to, first, build up a
13 rate base, to spend, to build capital, and, then, to -
14 - to generate cash from it quite quickly.

15 And the different depreciation methods
16 will have a tendency of different -- generating
17 different amounts of cash, with ELG tending to
18 generate more cash quickly because the -- the expense
19 is higher.

20 And if you want to see that in this
21 application, I believe Ms. Schubert had MFR-95,
22 Attachment 1 up, at one point. This is Mr. Kennedy's
23 depreciation study and -- and, hopefully, Mr. Kennedy
24 does the calculations both ways.

25 If we were to go to -- and I'm just

1 going to pick an account here that I happen to have in
2 front of you, which was the sub-station buildings,
3 again, it is page 1,035 of this document.

4 Now, this is the section where Mr.
5 Kennedy generates the depreciation expense for assets
6 in this account. This account called 3,000B, the
7 buildings at sub-stations.

8 And if you see the top right-hand
9 corner of the page, Ms. Schubert, scroll up, you'll
10 see that he has prepared this on the basis of the ALG
11 approach, whole life, survivor curve R3, average
12 service life 65 years. So, this is a 65, R3 account,
13 average life of 65 for investment in sub-station
14 buildings.

15 And in preparing that depreciation
16 expense if you go down the page, you will see that,
17 for each vintage, each year of investment, there's
18 some investment from 1931, 24,000 of investment. There
19 is a rate there that's applied. The rate yields an
20 amount and that -- that particular asset of twenty-
21 four thousand dollars (\$24,000) has a three hundred
22 and seventy dollar (\$370) depreciation expense.

23 And if you scroll down the page you
24 start to see the newer investments. You go over to
25 the next page and you'll see that as we get into more

1 modern times, oh wait, 1970s, mid-1970s there. You
2 see the -- what I'm assuming is a -- Bipole II coming
3 in, 1976, '78 there's some pretty big investment, \$15
4 million in a year, 25 million in a year.

5 But if you keep scrolling down, you'll
6 get the -- the key example for this, which is what I
7 would assume is Bipole III investment on the
8 substations, or Riel I guess, is from the 2019
9 vintage.

10 There's \$500 million of investment.
11 Inve -- it's built in 2019. Under an ALG approach,
12 that is a sixty-five (65) year average life. The rate
13 is 1.54 percent. And so, the depreciation expense
14 that would be built into revenue requirement, the way
15 that most of those private sector utilities are
16 regulated, would generate a depreciation expense of
17 \$7.7 million in that year, one sixty-fifth (1/65) of
18 \$500 million.

19 It would also tell you that you should
20 have 3.7 million set aside as accumulated
21 depreciation, which is in the final column there. And
22 you'll see how that works as you -- as you work up the
23 page. So, that's just the newest investment. \$500
24 million would be \$7.7 million under ASL, sixty-five
25 (65) year life.

1 If we were to jump to Mr. Kennedy's
2 page 623, which is the ELG version. Under ELG you'll
3 see the rate varies by vintage, because that's part of
4 what the -- reflecting the Iowa curve does. That's
5 the supposed precision.

6 And if you scroll down to the bottom of
7 that page, we see that same \$500 million investment,
8 except in this case it's one (1) of the youngest
9 assets there, and instead of the sixty-five (65) year
10 life, if you look to the right-hand side of the page,
11 you'll see a number 54.58. That is the remaining
12 life, assuming equal life group method and its current
13 average is -- is a half, half a year on average
14 through that year.

15 So, the total life of this asset, for
16 the purposes of setting the depreciation rate in this
17 is at fifty-five (55) years. As a result, the rate is
18 generated at 1.82 percent and the expense --
19 amortization expense, the depreciation expense on this
20 asset, instead of the 7.7 we just saw, same asset,
21 same average life, has the depreciation expense of 9 -
22 - 9 million -- \$9.1 million.

23 And your accumulated depreciation it
24 says should be set aside as 4.5 million. So, by
25 nothing other than flipping the method, you -- a -- a

1 utility can change significantly whether they're
2 generating cash -- a lot of cash from their assets or
3 -- or not generating cas -- the same cash from their
4 assets.

5 And that's just, like I said, one (1)
6 example it's a pretty extreme example because it's a
7 very large investment that's brand new. And -- but I
8 -- I thought it might helpful to take someone to that
9 and show you the -- the way that the math works.

10 MR. THOMAS REIMER: Mr. Bowman, if I
11 just may try and pull out what I think is the essence
12 of -- of that response.

13 Am I understanding then that ELG front
14 loads depreciation expense in comparison to ALG?

15 MR. PATRICK BOWMAN: ELG results in a
16 higher expense, in general, because most of your
17 assets -- most of your asset dollar value is quite new
18 and new assets tend to lead -- or will lead to higher
19 rates under ELG, which generates a higher revenue
20 requirement. But because it's a non-cash expense, it
21 generates more free cashflow to the utility for the
22 purposes of being abl -- which yields the ability to
23 pay dividends.

24 I won't say for the purposes. I -- I
25 don't want to ascribe motives, but there are private

1 sector utilities who would value the ability to
2 generate cash and pay dividends.

3 MR. ALASTAIR FOGG: So, Mr. Reimer, if
4 I may, I'd just like to have -- at least -- from the
5 depreciation issues document that we presented noted
6 that, despite the differences and how that
7 depreciation expense is calculated, what we saw is
8 that it -- it didn't result in a change to what we
9 were forecasting from a rate path perspective.

10 So, in terms of actual collection of
11 customer revenue and the cash associated with that,
12 there was no change within what we modelled?

13 MR. PATRICK BOWMAN: Right. I -- I
14 will just echo that. I'll say that in the cash of
15 Manitoba Hydro where we're doing the various types of
16 deferral and things, this is not the same
17 consideration and incentive for doing ELG.

18 But when you look across the country,
19 this is where -- you'll -- you'll see ELG if you
20 followed the path of it, tends to, in Canada, come out
21 of -- tends to come out of Alberta with private sector
22 utilities largely in transmission and distribution
23 picked up by some of their private sector peers in
24 places like Nova Scotia and -- and Newfoundland.

25 MR. THOMAS REIMER: So, and -- and

1 fair enough for that clarification, Mr. Fogg.

2 I -- I think what I'm getting at
3 though, if I can just sort of show my cards, is you've
4 -- you've got a slide in your slide deck that refers
5 to other utilities in Canada that deal with -- that --
6 that use ELG as -- as the Chair pointed out in -- in
7 one (1) of his questions, or maybe a couple of his
8 questions, several of them, at least the ones in
9 Alberta and -- and the subsidiaries of Atco and other
10 jurisdictions are private entities.

11 And so I'm just offering an explanation
12 as to why they may prefer using ELG as opposed to ALG.
13 And so it may not be an apples-to-apples comparison
14 when you're talking about a Crown-owned utility versus
15 a private-owned utility. And -- and so that's the
16 point I'm making.

17 You're -- you're welcome to respond to
18 that assertion or -- or that suggestion that I'm
19 making.

20 THE CHAIRPERSON: You know, Mr.
21 Reimer, I don't quite frankly think he has to respond.
22 You've -- what -- what you've put forward -- I mean,
23 the fact is, yes, they're a private sector. I don't
24 know if asking a Crown corporation what a private-
25 sector company is thinking about is -- is a proper

1 question.

2 And what you've put forward is a
3 perfectly valid argument to put forward on final
4 submission, but asking Mr. Fogg or Ms. Hooper to
5 comment on what the private sector company is thinking
6 and why they're doing certain things, I don't think
7 that's up for them to do.

8 Mr. Bowman, you know, who -- who is not
9 working for them and is experienced with private-
10 sector companies and Crown corporations, I think, you
11 know, provided an answer. And if -- if that isn't
12 good enough, I think -- you know, you could put to him
13 -- and you already did -- the exhibit they put forward
14 contains private-sector companies --

15 MR. THOMAS REIMER: Fair enough.

16 THE CHAIRPERSON: -- that are ELG.
17 And that -- that's fine, and then you can go to
18 argument.

19 If you want to ask Mr. Watson, who I
20 assume has lots of experience with private-sector
21 companies, you can do it.

22 Asking Manitoba Hydro, I -- I mean, I
23 just don't think you can expect them to give an
24 answering considering they've -- you know, they've
25 worked for Manitoba -- for a Crown corporation for so

1 many years.

2 MR. THOMAS REIMER: Fair enough. And
3 -- and I -- I'm going to move on, Mr. Chair, so thank
4 you for that comment.

5

6 CONTINUED BY MR. THOMAS REIMER:

7 MR. THOMAS REIMER: Two (2) questions
8 more. Ms. Hooper, I think this is for you.

9 Do you agree that the depreciation
10 expense under ELG and under ALG will always recover
11 the full value of the asset?

12 MS. MICHELLE HOOPER: It depends on
13 how accurate your assumptions are, but assuming your
14 assumptions that you're using are accurate, yes, it
15 should. Over the life of a pool of assets, it should
16 recover the full depreciation expense.

17 MR. THOMAS REIMER: Under either ELG
18 or ALG?

19 MS. MICHELLE HOOPER: Under either
20 methodology.

21 MR. THOMAS REIMER: Yeah. And do you
22 also agree that the -- that -- that that principle
23 stands whether you're accounting for the amounts in
24 the deferral account, in the original cost, or in
25 accumulated depreciation?

1 In other words, no matter where you're
2 tracking it, you're still going to depreciate the
3 whole asset.

4 MS. MICHELLE HOOPER: The amounts that
5 are in a deferral account only get depreciated if the
6 Board approves a depreciation rate for them.

7 If they don't approve a depreciation
8 rate for them or refuse to approve a depreciation
9 rate, we would likely have to write them off.

10 MR. ALASTAIR FOGG: We can't take a
11 balance in a regulatory deferral and add it back into
12 accumulated depreciation. So to recover that, we need
13 an amortization period.

14 MR. THOMAS REIMER: But -- but am I
15 not right, Mr. Fogg, that you've got a regul -- you've
16 got a deferral without regulatory authorization for it
17 in this case?

18 MR. ALASTAIR FOGG: We establish it
19 based on direction around the C-GAAP ASL matter and
20 maintaining that, which we noted already.

21 MR. THOMAS REIMER: Right, but you
22 don't -- so --

23 MR. ALASTAIR FOGG: So there's
24 different provisions under IFRS-14 that would allow --
25 would allow that creation of that deferral account

1 that's been tested with out auditors, and -- and
2 they've said we've met the compliance with that aspect
3 of the standard.

4 MS. MICHELLE HOOPER: If I could just
5 add, though, that is subject to the understanding of
6 our auditors that the Board will eventually opine on
7 these accounts, that they're not going to sit there
8 forever.

9 MR. THOMAS REIMER: Right. In other
10 words, until the Board makes a direction one (1) way
11 or the other. Like what happens to that money if --
12 if you don't get your authorization from the Board, as
13 you've suggested to your auditors that you will?

14 MS. MICHELLE HOOPER: The direction
15 that we've received to date from the Board is -- our
16 understanding of it is that they fully intend to opine
17 on depreciation matters at some point.

18 And once that opinion has been
19 provided, then we'll have to assess recoverability.
20 And provided that the Board gives us a -- if the Board
21 refuses to give us an amortization period, our
22 assessment of recoverability would be that it's not
23 there, and we would likely have to write off.

24 If the Board provides an amortization
25 period, there's a recovery, and that's the -- how it

1 would be recovered.

2 MR. THOMAS REIMER: Mr. Chair, those
3 are all my questions.

4 Thank you to the panel.

5 THE CHAIRPERSON: Thank you, Mr.
6 Reimer. M. Hacault...?

7

8 CROSS-EXAMINATION BY MR. ANTOINE HACAULT:

9 MR. ANTOINE HACAULT: Yes. Good
10 afternoon. I was thinking morning. Boy, am I out to
11 lunch today. So Antoine Hacault, for the record.
12 Nice to see all of you.

13 The first item, just to give some
14 clarification, there was some discussion about the
15 Society of Depre -- Depreciation Professionals, and I
16 thought I'd bring up the page, if you have it, Ms.
17 Schubert, with respect to what it takes to be
18 certified as a certified depreciation professional.

19 Am I correct in bringing up this page
20 and does it show the correct credentials required to
21 be a certified depreciation expert?

22 MS. MICHELLE HOOPER: You're looking
23 at me, Mr. Hacault, so I will answer. Yes, this is
24 the -- the page from the Society of Depreciation
25 Professionals website which outlines requirements for

1 certification as a CDP.

2 MR. ANTOINE HACAULT: Okay. Thank
3 you, Ms. Hooper. Could we mark this document as the
4 next MIPUG exhibit? I think it's 18 -- 16.

5

6 --- EXHIBIT NO. MIPUG-16: Page from the Society of
7 Depreciation Professionals
8 website which outlines
9 requirements for
10 certification as a CDP

11

12 CONTINUED BY MR. ANTOINE HACAULT:

13 MR. ANTOINE HACAULT: The Board
14 counsel -- and I'm not going to go through everything
15 that he went through on IFRS, or the International
16 Accounting Standard 16. But in the Board book, volume
17 5, at page 10, he directed your -- the attention of
18 Ms. Hooper, I believe, to paragraph 43.

19 And then Ms. Hooper said, well, yeah,
20 but you have to read it in the context of the other
21 paragraphs that follow. And I'll take time to read
22 paragraph 45:

23 "A significant part of an item of
24 property, plant and equipment may
25 have a useful life and depreciation

1 method that are the same as the
2 useful life and depreciation method
3 of another significant part of that
4 same item. Such parts may be
5 grouped in determining the
6 depreciation charge."

7 So that is what allows the average life
8 grouping, whether it's equal life or average life?

9 And, Mr. Madsen, you can answer the
10 question, too. It's more an accounting thing.

11

12 (BRIEF PAUSE)

13

14 MS. MICHELLE HOOPER: The paragraph
15 does indicate that grouping of assets is allowed as
16 long as the -- even if they're significant, provided
17 that the assumptions that you're using for
18 depreciation are consistent.

19 MR. ALASTAIR FOGG: I would agree.

20 MR. ANTOINE HACAULT: Okay. And there
21 was also a reference at page 11 to paragraph 62(a),
22 which was put by Board counsel I believe to Ms.
23 Hooper.

24 Mr. Madsen, with respect to your
25 education and involvement in IFRS, do you have any

1 comments on paragraph 62(a) and how that fits into the
2 previous paragraph 62?

3 MR. DUSTIN MADSEN: Sure. Certainly.
4 So paragraph 62(a), it's an important paragraph. It's
5 in my opinion not relevant to Manitoba Hydro's
6 circumstances.

7 The intention behind 62(a) is to
8 stipulate that -- to use the example, if you -- if you
9 have a productive asset like a -- a shop and you
10 construct that shop and you just built your shop but
11 you aren't expecting to have significant revenues for
12 that -- call it an auto shop, for some significant
13 period of time, you cannot vary your depreciation
14 expense by virtue of the consumption -- or the -- the
15 expected revenues.

16 You need to continue to depreciate the
17 asset over its actual useful life regardless of your
18 revenue stream.

19 From a utility's perspective it's --
20 it's different because we're determining depreciation
21 expense by reference to a lot of different factors,
22 useful lives, actuarial data, management information
23 and what have you; there's a lot of detail. Peer data
24 is another one.

25 That informs the development of the

1 depreciation expense which, from a regulatory
2 perspective, also informs the amount of revenue that's
3 collected. That's different. That's not the --
4 that's not the concept that's being contemplated under
5 62(a).

6 That type of a calculation which is
7 initially built up based on the underlying useful life
8 of the assets simply because it's linked to revenues
9 doesn't mean it's prohibited under IFRS under 62(a).

10 MR. ANTOINE HACAULT: Thank you. Next
11 subject area that I'll move to is the general area of
12 componentization.

13 And first, I'll go to MIPUG/MH Round 1,
14 91, questions (a) to (b)(d). I'll start with page 12,
15 the answer to the question 'X'. And, Mr. Watson, I --
16 I think you're very eager to want to -- to contribute.

17 The last sentence says, "This
18 depreciation methodology..." first, I'll stop there.

19 Are you referring to the average life
20 group methodology?

21

22 (BRIEF PAUSE)

23

24 MR. SVEN HOMBACH: Mr. Watson, I don't
25 think your microphone was on. The Hearing is being

1 transcribed. If we could ask --

2 MR. ANTOINE HACAULT: He wants to see
3 the question. I'll go there.

4 MR. DANE WATSON: Yeah, I asked if I
5 could see the question and not just the response that
6 was there.

7

8 CONTINUED BY MR. ANTOINE HACAULT:

9 MR. ANTOINE HACAULT: So, for the
10 record:

11 "Please indicate if the Alliance
12 Consulting depreciation study
13 included in Appendix 9.11 represents
14 an industry standard approach
15 applied by the Alliance and the
16 conclusions of Alliance's
17 depreciation experts as to fair and
18 reasonable annual depreciation
19 expense for Manitoba Hydro. If not,
20 please provide a detailed
21 description of why not."

22 You can go to the answer now.

23 MR. DANE WATSON: Okay.

24 MR. ANTOINE HACAULT: My question to
25 you is, the last sentence says, "This depreciation

1 methodology." Were you referring to average Life
2 Group, sir?

3 MR. DANE WATSON: I was referring to
4 the overall method that I used for the study,
5 including average life group, remaining life, straight
6 line methodology and the process that I used.

7 MR. ANTOINE HACAULT: Okay. And with
8 that context, sir, you then have further defined what
9 you meant in saying:

10 "This deprecation methodology is
11 predominantly -- or used
12 predominantly by the utility clients
13 of Alliance Consulting Group and is
14 the methodology frequently used by
15 regulated utilities in the United
16 States."

17 Correct?

18 MR. DANE WATSON: Yes. The system I
19 described above is -- is a normal method in -- in the
20 -- the United States that is used.

21 MR. ANTOINE HACAULT: Okay. Thank
22 you. I'll now move to...

23

24 (BRIEF PAUSE)

25

1 MR. ANTOINE HACAULT: While I'm on
2 this document, sorry, I've been crossing things out.
3 All of the counsel have done a great job.

4 If we go back to page 10 of this same
5 document -- I don't know what it is in the PDF.

6

7 (BRIEF PAUSE)

8

9 MR. ANTOINE HACAULT: I have page 11
10 of 527. Yeah, it's that table. So, going back a
11 little bit more, one (1) page back, please, Ms.
12 Schubert. To give some context, again, we could go to
13 (v), but we're discussing an account called spillway.

14 And I don't know whether or not you're
15 going to be -- be able to provide any information on
16 this, Mr. Watson. But there's a figure that's
17 referred to at the bottom of the paragraph on this
18 page that indicates:

19 "Figure 1 below summarizes what
20 portion of the total investment in
21 source account 000D [as in Donald]
22 is attributed to each sub-component
23 account."

24 And if we can go to the next page.
25 Sir, my understanding is that the description under

1 the heading, "Sub-component group account," if it has
2 the number 00A, that was part of the initial
3 depreciation study.

4 Is that correct, Ms. Hooper?

5 MS. MICHELLE HOOPER: The first four
6 (4) characters represent the original account from the
7 -- from the Concentric depreciation study.

8 So, for hydraulic, we combine all of
9 our hydraulic generating stations in order to
10 determine service lives, and then calculate
11 depreciation rates at a generating station level.

12 So, this would be all of the accounts
13 in the Concentric study that start with 11 and end in
14 'D', would be, like, 000D. Of if they start with 11
15 and end in 'A', they would be 000A accounts.

16 MR. ANTOINE HACAULT: Okay. And are
17 these with respect to one (1) specific spillway or all
18 the spillways generally?

19 MS MICHELLE HOOPER: The amount shown
20 would be the combined amount for all spillways.

21 MR. ANTOINE HACAULT: Okay. And if we
22 go down this table on the issue of significance, one
23 (1) of the things that I understand Manitoba Hydro is
24 going to go back and do is to look, for example, if I
25 go the fourth line down, there's a new sub-component

1 that's been identified for all the spillways.

2 It's fifty-four thousand eight hundred
3 and forty-nine dollars (54,849), correct?

4 MS. MICHELLE HOOPER: No, that's not
5 the total for that account. That's the portion of the
6 dollars that were in the original spillway accounts
7 that got allocated to new account 000B-01, which is a
8 powerhouse account, actually. So, that's only a
9 portion of the costs that are in that new account.

10 MR. ANTOINE HACAULT: Gee, I had
11 misworded my question. I think we're saying the same
12 thing. There was a new sub-account that was created,
13 and it allocated fifty-four thousand eight hundred and
14 forty-nine dollars (\$54,849) in that sub-account?

15 MS. MICHELLE HOOPER: So, there was
16 fifty-four thousand (54,000) allocated from the
17 original spillway accounts, but there were amounts
18 allocated from other accounts, as well. Fifty-four
19 thousand dollars (\$54,000) is not the total for the
20 new account.

21 MR. ANTOINE HACAULT: And what's the
22 total for the new account then under that particular
23 line?

24 MS. MICHELLE HOOPER: Sir, I'll just
25 have to look for a reference.

1 MR. DANE WATSON: The total investment
2 A01 is \$986.7 million.

3 MR. ANTOINE HACAULT: And the sub-
4 component balance left in that account is fifty-four
5 thousand eight hundred and forty-nine (54,849)?

6 MR. DANE WATSON: No. Let -- let me --
7 -- let me try. So, the source group you see at the
8 top, 000D, is the original source account.

9 What we did is, as we unbundled those
10 accounts, if you will, we found that some of the
11 assets really belonged in 000A01, which is titled,
12 "Concrete dams, dikes and substructures". And some of
13 what was in that account belonged in other categories
14 -- and we did that in order to make each of the
15 categories homogeneous.

16 So you had the same basic assets lives
17 in each of the accounts. So you didn't have as much
18 variability. So the 000D was split into these
19 different other accounts.

20 MR. ANTOINE HACAULT: And I represents
21 .01 percent of the total account. Correct?

22 MR. DANE WATSON: I'm sorry, would you
23 repeat that?

24 MR. ANTOINE HACAULT: I'm looking to
25 the right-hand side here. The same number that we

1 were talking about, the 000B-01, at fifty-four-
2 thousand-eight-hundred-and-forty-nine dollars
3 (\$54,849) represents .01 percent.

4 MR. DANE WATSON: And -- and all of
5 this -- what you can find in the depreciation study,
6 you can see the actual total dollars on each of the
7 accounts if you go to the study itself and that's what
8 I'm referencing here.

9 The B01110B00B01 is called
10 'Superstructures and support buildings'. It's the
11 very long-lived account. And that account has 9.5
12 million in total in it. So -- but only fifty-four
13 (54) or fifty-five-thousand (55,000) from this
14 particular sub-account was moved over to become
15 homogenous because there was some assets in there that
16 had that long hundred-and-twenty-five (125) year life
17 expectation that this substructure -- this -- this
18 building account has.

19 MR. ANTOINE HACAULT: And does that
20 same explanation hold for the bottom account on -- we
21 see on the screen, 000F-01, at some forty-three-
22 thousand-seventeen dollars (\$43,017) which also
23 represents a .01 percent of the total balance?

24 MR. DANE WATSON: Yeah. Again, from
25 the -- yes, from the spillway account, that much is

1 transferred over to F01, which is titled 'Roads,
2 grounds, and physical site security'. And there's
3 \$169.8 million in total in that account that is like.

4 MR. ANTOINE HACAULT: Thank you for
5 that explanation, sir. Now, I'd like to move to the
6 bottom of this page, which is going to take us to
7 another figure.

8 And it refers to the Concentric
9 retirement rate analysis for this same account, 000D
10 Spillway. Do I have it so far correct?

11 MR. DANE WATSON: Yes.

12 MR. ANTOINE HACAULT: And if we move
13 on to the next page, there's different curves on these
14 and these are the dreaded Iowa curves. Correct?

15 MR. DANE WATSON: The beautiful Iowa
16 curves, you mean.

17 MR. ANTOINE HACAULT: I did about
18 three (3) or four (4) hours of cross-examination on
19 curves last Hearing and I had enough of it. I'm not
20 as passionate as Mr. Madsen and Mr. Bowman and
21 yourself, Mr. Watson.

22 But there's a couple things that are
23 happening on -- on this graph. I would suggest to
24 you, firstly, in the dark blue line at the top is the
25 actual experience based on the observed data.

1 Correct?

2 MR. DANE WATSON: Correct. From the
3 Concentric study from 2019, that is correct.

4 MR. ANTOINE HACAULT: Okay. And do
5 you accept that as being actual data for your study?

6 MR. DANE WATSON: Yes, I accept that's
7 what I prepared and used in the study.

8 MR. ANTOINE HACAULT: Okay. And
9 Concentric, am I correct, used -- I don't know if it's
10 green or what it is on this -- but it's an Iowa curve,
11 which is 90-R35 for its study. Correct?

12 We see that at the top, in the middle.

13 MR. DANE WATSON: Yes, the higher Iowa
14 curve is a 90R3.5.

15 MR. ANTOINE HACAULT: And the ninety
16 (90) means it's based on a ninety (90) year life.
17 Correct?

18 MR. DANE WATSON: Ninety (90) year
19 average service life. That is correct.

20 MR. ANTOINE HACAULT: And you, in your
21 professional judgment, used a different curve with a
22 shorter life span of eighty-five (85) years.

23 MR. DANE WATSON: Can I see the
24 question? I think this is from -- with the addition
25 of the eighty-five (85) year. Yes.

1 (BRIEF PAUSE)

2

3 MR. DANE WATSON: If we could see the
4 question. I don't remember what -- there was
5 something requested and I don't remember, at this
6 point, what it was.

7

8 (BRIEF PAUSE)

9

10 MR. DANE WATSON: So the question
11 asked was to add the eighty-five (85) year R3.5 in
12 addition to the ninety (90) that was from the
13 Concentric retirement rate analysis, and that's what
14 we did.

15 MR. ANTOINE HACAULT: And I guess I'd
16 have to take you there. But I'm suggesting to you
17 that when you completed your study, you chose a
18 different Iowa curve being eighty-five (85) and that's
19 why we were asking for that to be modelled.

20 MR. DANE WATSON: I'm sorry. I mean,
21 our -- we broke it down into individual homogenous
22 sub-groups to do our analytics -- or to -- in the end
23 of the day, and your question is...?

24 MR. ANTOINE HACAULT: My question was
25 whether or not the eighty-five (85) year life curve

1 was something that was chosen by Alliance as opposed
2 to Concentric.

3 MR. DANE WATSON: The 1100D01,
4 'Spillway substructures', is set to a ninety (90) year
5 life. The 00D would be the original unsplit or --
6 unsplit source account, not the sub-accounts that we
7 opined on for the 90R5.

8 And when -- we chose a 90R5 for subway
9 steel structures, so I'm not really sure what -- what
10 the ninety (90) versus eighty-five (85) R3.5 -- we
11 would not recommend an R3.5.

12 MS. MICHELLE HOOPER: If I could just
13 clarify, the data points on this graph are from the
14 Concentric study. So they're Concentric's, like --
15 like, with the original componentization; not after
16 the results of Mr. Watson's analysis.

17 MR. ANTOINE HACAULT: And the effect
18 of choosing a shorter average life is to create
19 additional depreciation earlier on in that asset.

20 Correct?

21 MR. DANE WATSON: No. Okay. So the
22 000D was a source account. And we moved some of the
23 assets from that source account to a hundred-and-
24 twenty-five (125) year asset group.

25 We moved some of the others that had

1 shorter observable lives to another asset group.

2 So I'm -- I'm not really sure what this
3 is -- is showing. I don't recall having chosen any
4 life with an R3.5 curve. So these are from the
5 Concentric study; not from what I did.

6 MR. ANTOINE HACAULT: I understand
7 that. What I'm trying to understand, sir, when there
8 are two (2) different Iowa curves, irrespective of
9 whether it was chosen by you or somebody else, if we
10 see an Iowa curve that says 90-R3.5 versus an Iowa
11 curve 85R3.5, the eighty-five (85) year Iowa curve
12 will result in earlier depreciation of that asset.

13 MR. DANE WATSON: Yes, because it will
14 be fully depreciated at an earlier period.

15 THE CHAIRPERSON: Mr. Hacault, you've
16 got five (5) minutes left.

17

18 CONTINUED BY MR. ANTOINE HACAULT:

19 MR. ANTOINE HACAULT: The -- in
20 Appendix 9.11 at page 167 of 99, (sic) I'd have to,
21 hopefully my lawyer counting on the left-hand side
22 when I go all the way down, I see there's about
23 thirty-four (34) accounts.

24 And, I'm going to suggest to you that
25 that's generally reflective, although this is for a

1 generation dam, Seven Sisters, generally reflective of
2 the sub-componentization in the Alliance depreciation
3 analysis.

4 MS. MICHELLE HOOPER: This is an
5 individual generating station, but we applied the same
6 sub-componentization to all hydraulic generating
7 stations.

8 MR. ANTOINE HACAULT: Okay. And, you
9 may know this by heart, but would I consider that
10 there's sixteen (16) generation systems then that
11 benefitted from this sub-componentization? That
12 counts Laurie River 1 and Laurie River 2, that's two
13 (2) separate generating stations.

14 MS. MICHELLE HOOPER: I'm sorry, Mr.
15 Hacault, I don't have the accounts at the top of my
16 head.

17 MR. ANTOINE HACAULT: Okay, if we can
18 go to PUB/MH Round II-41, Attachment 1. And I have it
19 at page 14 of 151.

20 I'm trying to understand your question
21 Ms. -- or your answer, Ms. Hooper. You indicated that
22 those sub-components were applied to each generating
23 station.

24 MS. MICHELLE HOOPER: You have sixteen
25 (16) on this list. We do not separate the assets for

1 Laurie 1 and 2. They're together in our asset
2 accounting. We also have separate assets within
3 hydraulic generation for Churchill River diversion and
4 the Lake Winnipeg Regulation.

5 MR. ANTOINE HACAULT: Okay. Thank
6 you.

7 MS. MICHELLE HOOPER: And some
8 infrastructure assets as well that are not on this
9 list.

10 MR. ANTOINE HACAULT: And let me take
11 you there, it's Concentric MF4-95, was the attachment,
12 but generally, Concentric used fourteen (14) accounts
13 instead of thirty-four (34) accounts.

14 Does that sound about right, subject to
15 check?

16 MS. MICHELLE HOOPER: Yes, subject to
17 check.

18 MR. ANTOINE HACAULT: Those are all my
19 questions. Thank you very much.

20 THE CHAIRPERSON: Thank you. Mr.
21 Czarnecki...?

22 MR. BRENT CZARNECKI: Thank you, Mr.
23 Chairman. Just by way of timing, I will be very
24 brief. I won't have many questions and that's not to
25 be an inference of anything other than the fact that -

1 - from Hydro's position, the issues have been very
2 well canvassed and are, frankly, ripe for argument.

3 But I do have a few and before I get to
4 the questions, I, on behalf of Manitoba Hydro, I would
5 like to thank Mr. Innis for his efforts in
6 facilitating this at the direction and guidance of the
7 Board and all of the participants for cooperatively
8 responding to what is otherwise a very detailed and
9 technical issue, which we've boiled it down to this
10 one hearing -- oral hearing day for the panel's
11 consideration. So, those efforts are deeply
12 appreciated and I -- I think we arrived at a -- a more
13 efficient spot in this process.

14

15 RE-DIRECT EXAMINATION BY MR. BRETT CZARNECKI:

16 MR. BRETT CZARNECKI: I won't be
17 asking about IOWA curves, you'll be glad to hear and,
18 however, when my son, Michael, asked me what I did at
19 work today, as he normally does, I will speak of Iowa
20 curves and I'm thinking he's going to ask me to teach
21 him how to pitch one of those and we'll -- we'll go
22 from there, but I -- I digress.

23 Mr. Bowman, I'll just start with you.
24 This morning I fairly heard you say that you are not a
25 -- an accountant. Correct?

1 MR. PATRICK BOWMAN: Correct.

2 MR. BRENT CZARNECKI: And just to
3 confirm, sir, you're also not a certified depreciation
4 professional, right?

5 MR. PATRICK BOWMAN: No, I've never
6 taken the test.

7 MR. BRENT CZARNECKI: Now, I -- I
8 shared with Mr. Williams, I sense that you do, of
9 course, have a passion for this.

10 Is -- is it on your horizon to try and
11 become one for future proceedings?

12 MR. PATRICK BOWMAN: I doubt it. My
13 focus has been on rate setting and how depreciation
14 fits into that for the purposes of saying just and
15 reasonable rates. It's not my -- not my interest to
16 do depreciation studies for utilities and so that --
17 that hasn't been the -- the -- the area where I've
18 looked to focus.

19 MR. BRENT CZARNECKI: Yeah,
20 understood. And we recognize your experience.

21 So, just to confirm then, sir, you --
22 you haven't personally undertaken an extensive
23 depreciation study of an integrated electric utility,
24 such as Manitoba Hydro, like Mr. Watson or Mr. Kennedy
25 have done?

1 MR. PATRICK BOWMAN: I -- I haven't
2 done any depreciation studies.

3 MR. BRENT CZARNECKI: Mr. Madsen, over
4 to you. Now, last week we did confirm that you are a
5 Certified Depreciation Professional? You passed the
6 exam?

7 MR. DUSTIN MADSEN: Yes, sir.

8 MR. BRENT CZARNECKI: And, how long
9 have you been a Certified Depreciation Professional
10 for?

11 MR. DUSTIN MADSEN: I think I wrote
12 the exam during the pandemic. Actually, I'm certain
13 of it. So, it would have been around 20 -- early 2022
14 that I found out that I had passed.

15 MR. BRENT CZARNECKI: Okay, so less
16 than two (2) years?

17 MR. DUSTIN MADSEN: That's correct.

18 MR. BRENT CZARNECKI: And, I saw from
19 slide 2 of your presentation this morning, you -- you
20 peaked my interest when you said, when your bullet
21 says you've created your own depreciation model.

22 MR. DUSTIN MADSEN: That's correct.

23 MR. BRENT CZARNECKI: Can you just
24 explain what that is and where it's been used?

25 MR. DUSTIN MADSEN: So, it -- it's --

1 it's a model that starts from we heard about Wolf and
2 Fitch in Bulletin 125, 155, these are very dated books
3 that have these curves modeled and all the data points
4 for these curves.

5 What I did was begin with those curves,
6 modeled them into an Excel model and then sort of
7 converting that into a model that could also mimic
8 those curves for different types of lives, recalculate
9 them down to a much more discreet level of detail and
10 then also calculate the depreciation expense and
11 salvage costs and everything, what have you -- subject
12 to any other assumptions as well as graphing and
13 performing the actuarial analysis that you see being
14 done by Mr. Kennedy, Mr. Watson and that -- that's
15 essentially the purpose of the model to do a
16 depreciation study.

17 MR. BRENT CZARNECKI: So, could I
18 characterize such trail blazing because you disagree
19 with the long standing text books on depreciation?

20 MR. DUSTIN MADSEN: No, I found some
21 errors in them. And I've had some preliminary
22 discussions with the Society of Depreciation
23 Professionals about correcting some of those errors in
24 the texts.

25 It's totally understandable. It's

1 probably just transposition errors. And, also,
2 potentially expanding those curves to be more detailed
3 to provide additional data points to be helpful to all
4 parties, quite frankly.

5 But, it wasn't done in any way to
6 question the -- the substance of what's being
7 recommended. The -- the curves are based off of those
8 book.

9 MR. BRENT CZARNECKI: Okay.
10 Understand. And then you say you have prepared
11 depreciation studies utilizing the model, which I
12 take, is your model?

13 MR. DUSTIN MADSEN: That's correct.

14 MR. BRENT CZARNECKI: And are those
15 depreciation studies publicly available that you've
16 completed?

17 MR. DUSTIN MADSEN: No, they were for
18 private utilities.

19 MR. BRENT CZARNECKI: And so, in your
20 experience since you've become a Certified
21 Depreciation Professional, like Mr. Bowman, have you -
22 - can you confirm that you haven't conducted a large
23 scale depreciation study or evaluation of a large
24 electric utility or even gas or oil company for that
25 matter?

1 MR. DUSTIN MADSEN: I've never been
2 invited to. So, no, I have not.

3 MR. BRENT CZARNECKI: I also noted in
4 your bullet, the fourth one down, it says that you're
5 active in the Society of Depreciation Professionals.

6 Now, that activity I take it, is
7 limited to two (2) years or so, since you've become a
8 Certified Depreciation Professional?

9 MR. DUSTIN MADSEN: Oh, and prior to
10 that, I took several courses with them, but yes.

11 MR. BRENT CZARNECKI: And, you'd agree
12 with me, sir, that you're -- how active you've been,
13 respectfully, pales in comparison to say that of Mr.
14 Watson or Mr. Kennedy. Correct?

15 MR. THOMAS REIMER: I'm going to
16 object to that question, Mr. Chair. I don't think
17 it's a fair question. We've got their qualifications
18 -- respective qualifications on the record. That's an
19 argument that Mr. Czarnecki can make, but I don't
20 think it's appropriate to put it to Mr. Madsen and
21 have him opine on other expert's credentials.

22 THE CHAIRPERSON: Well, we have on the
23 record, Mr. Czarnecki, the comparison of experience.
24 So, if you want to use it in final argument --

25 MR. BRENT CZARNECKI: I -- I will do

1 so.

2 THE CHAIRPERSON: -- you can do that.

3

4 CONTINUED BY MR. BRENT CZARNECKI:

5 MR. BRENT CZARNECKI: You also say in
6 the same bullet, that you're an instructor at the
7 September 2023 conference. So, just to confirm,
8 there's no typo, that's a conference that's pending
9 this fall?

10 MR. DUSTIN MADSEN: That's correct.

11 MR. BRENT CZARNECKI: And have you
12 been confirmed as an instructor at that?

13 MR. DUSTIN MADSEN: To my knowledge,
14 yes.

15 MR. BRENT CZARNECKI: And what topic
16 are you instructing on, sir?

17 MR. DUSTIN MADSEN: Discussing the
18 balance between return of capital, so depreciation
19 expense and return on capital and how those concepts
20 are interlinked.

21 I understand the session will be a -- a
22 panel session, potentially including others. I'm not
23 going to volunteer Mr. Kennedy as being part of that,
24 but I understood he may have been part of that, but
25 it's to discuss it from different perspectives and how

1 those two (2) concepts are interlinked.

2 MR. BRENT CZARNECKI: And -- and do I
3 take it, from the lack of information otherwise, that
4 this is your first time being an instructor at such a
5 conference?

6 MR. DUSTIN MADSEN: At the STP
7 Conference? Yes.

8 MR. BRENT CZARNECKI: Yes.

9 MR. DUSTIN MADSEN: I've instructed at
10 CICA conferences in the past, as well as other
11 conferences, but not at the STP conference.

12 MR. BRENT CZARNECKI: Thank you, sir.
13 Mr. Chairman, those are my questions.

14 THE CHAIRPERSON: Thank you. Panel
15 have any questions? No? You'll be happy to know this
16 concludes today's session. I'd like to -- I'd like to
17 thank the Panel.

18 It's been a long day and I would,
19 specifically, like to thank Mr. Watson and Mr. Madsen
20 for coming the distance here and wish you safe travels
21 home.

22 Mr. Czarnecki beat -- beat me to it.
23 Mr. Innis, on behalf of our Panel, I'd like to thank
24 you for all the -- the effort you did.

25 This is a new approach that we have

1 taken on the issue of depreciation, and a new way to
2 review evidence. It, certainly, was interesting and
3 much different from our normal hearing on this kind of
4 topic.

5 I'd indicate that, following the
6 issuance of the Order, Ms. McMillin will be contacting
7 the participants, through the process, to talk about
8 it, to -- to look at the approach that was used to see
9 if there are ways to improve it but, certainly, we're
10 open to looking at -- at a different ways to deal with
11 issues at the proceedings.

12 So, I'm going to adjourn the hearing
13 now and we will reconvene at nine o'clock tomorrow
14 morning. Thank you very much.

15

16 (PANEL STANDS DOWN)

17

18 --- Upon adjourning at 3:58 p.m.

19

20 Certified Correct,

21

22 _____

23 Wendy Woodworth, Ms.

24

25