

MANITOBA PUBLIC UTILITIES BOARD

Re: MANITOBA PUBLIC INSURANCE CORPORATION (MPI)

2019/2020 GENERAL RATE APPLICATION

HEARING

Before Board Panel:

Robert Gabor, Q.C. - Board Chairperson

Irene Hamilton - Board Member

Carol Hainsworth - Board Member

Robert Vandewater - Board Member

HELD AT:

Public Utilities Board

400, 330 Portage Avenue

Winnipeg, Manitoba

October 26, 2018

Pages 1162 to 1333



“When You Talk - We Listen!”



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APPEARANCES

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Robert Watchman) Board Counsel
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1 --- Upon commencing at 10:03 a.m.

2

3 THE CHAIRPERSON: Good morning
4 everyone, sorry for the delay. I was trying to ensure
5 that the drilling would not start and we'll see how
6 successful we are. Ms. McCandless...?

7 MS. KATHLEEN MCCANDLESS: Good
8 morning, Mr. Chair and members of the panel. Just an
9 update on the order of proceedings today.

10 We will hear from Dr. Wayne Simpson,
11 Andrea Sherry, on behalf of CAC. We had some off-line
12 communications with the parties yesterday late in the
13 day as we were waiting for a number of undertakings to
14 be answered by MPI. Those were answered I believe
15 around 6:00 p.m. last night, but as a consequence, we
16 have moved the panel number 2 of MPI which was the
17 investments, DCAT, RSR, CMP panel to come back first
18 thing on Monday to answer any questions arising from
19 answers to undertakings; following that on Monday
20 we'll hear from Mr. Viola. So, we are proceeding
21 today with Dr. Simpson and Ms. Sherry and that will
22 complete the day.

23 THE CHAIRPERSON: Thank you. Mr.
24 Scarfone...?

25 MR. STEVE SCARFONE: Yes, good

1 morning, Mr. Chair, panel members. Yes, before My
2 Learned Friend begins with the examination-in-chief of
3 his expert witnesses, MPIC has, as Ms. McCandless's
4 indicated, filed a number of undertaking, some of
5 which were sent on Wednesday, a number of which were
6 sent yesterday but we're happy to report that all of
7 the undertakings have now been provided, as I
8 understand it, with the exception of some schedules
9 and supporting documentation for PreAsk 1.

10 PreAsk 1, Mr. Chair, you will recall,
11 was the update that was requested of MPIC for the
12 various forecasting based on different interest rate
13 forecast methodologies, CEMP, that stuff. I can tell
14 the -- the Board and My Learned Friends that we expect
15 that documentation and those schedules to be provided
16 in -- probably after lunch. So all of that -- all of
17 that work has now been performed. I'm told it's in
18 excess of six hundred (600) pages so that has to be
19 compiled and formatted while we're here and we hope to
20 circulate that after the lunch hour, if that -- if
21 that leaves My Learned Friend enough time to look at
22 it.

23 And then, lastly, before -- before I
24 turn -- turn it over to My Learned Friend, there are a
25 number of exhibits that we'd like to read into the

1 record, mainly, the undertakings that have been filed
2 in the past couple of days.

3 Ms. Schubert tells me we're at Exhibit
4 31, which was Undertaking Number 1.

5

6 --- EXHIBIT NO. MPI-31: Response to Undertaking
7 Number 1

8

9 MR. STEVE SCARFONE: Exhibit Number
10 32, is Undertaking Number 2.

11

12 --- EXHIBIT NO. MPI-32: Response to Undertaking
13 Number 2

14

15 MR. STEVE SCARFONE: Exhibit 33 was
16 Undertaking Number 15.

17

18 --- EXHIBIT NO. MPI-33: Response to Undertaking
19 Number 15

20

21 MR. STEVE SCARFONE: Exhibit 34 was a
22 response to Undertaking Number 5.

23

24 --- EXHIBIT NO. MPI-34: Response to Undertaking
25 Number 5

1 MR. STEVE SCARFONE: Exhibit 35 was
2 response to Undertaking Number 7.

3

4 --- EXHIBIT NO. MPI-35: Response to Undertaking
5 Number 7

6

7 MR. STEVE SCARFONE: Exhibit 36 was
8 response to Undertaking Number 9.

9

10 --- EXHIBIT NO. MPI-36: Response to Undertaking
11 Number 9.

12

13 MR. STEVE SCARFONE: Exhibit 37 was
14 the response to Undertaking Number 10.

15

16 --- EXHIBIT NO. MPI-37: Response to Undertaking
17 Number 10.

18

19 MR. STEVE SCARFONE: Exhibit 38 the
20 response to Undertaking Number 11.

21

22 --- EXHIBIT NO. MPI-38: Response to Undertaking
23 Number 11.

24

25 MR. STEVE SCARFONE: Exhibit 39 was

1 the response to Undertaking Number 13.

2

3 --- EXHIBIT NO. MPI-39: Response to Undertaking
4 Number 13.

5

6 MR. STEVE SCARFONE: MPI Exhibit
7 Number 40 was the response to Undertaking Number 18.

8

9 --- EXHIBIT NO. MPI-40: Response to Undertaking
10 Number 18.

11

12 MR. STEVE SCARFONE: Exhibit MPI-41
13 was response to Undertaking Number 14.

14

15 --- EXHIBIT NO. MPI-41: Response to Undertaking
16 Number 14.

17

18 MR. STEVE SCARFONE: Exhibit MPI-42,
19 the response to Undertaking Number 6.

20

21 --- EXHIBIT NO. MPI-42: Response to Undertaking
22 Number 6.

23

24 MR. STEVE SCARFONE: MPI Exhibit 43,
25 was the response to Undertaking Number 8.

1 --- EXHIBIT NO. MPI-43: Response to Undertaking
2 Number 8.

3

4 MR. STEVE SCARFONE: Exhibit MPI
5 Number 44 was the response to Undertaking Number 12.

6

7 --- EXHIBIT NO. MPI-44: Response to Undertaking
8 Number 12.

9

10 MR. STEVE SCARFONE: MPI Exhibit 45,
11 the response to Undertaking Number 16.

12

13 --- EXHIBIT NO. MPI-45: Response to Undertaking
14 Number 16.

15

16 MR. STEVE SCARFONE: And Exhibit MPI-
17 46, was the response to Undertaking Number 17.

18

19 --- EXHIBIT NO. MPI-46: Response to Undertaking
20 Number 17.

21

22 MR. STEVE SCARFONE: And then, lastly,
23 MPIC would like to mark as Exhibit 47 an excerpt from
24 the Board Order 130/'17 from last year -- last year's
25 GRA, page 29 of that particular Order will be filed as

1 Exhibit 47.

2

3 --- EXHIBIT NO. MPI-47: Excerpt from Board Order
4 130/'17 from last year's
5 GRA, page 29.

6

7 MR. STEVE SCARFONE: And those --
8 that's all MPIC has at this moment.

9 THE CHAIRPERSON: If I could ask, Mr.
10 Scarfone, I don't have a problem with almost all your
11 exhibits. Explain Exhibit 47 to me. Is this -- was
12 this referred to in -- in testimony?

13 MR. STEVE SCARFONE: I do. And I may,
14 perhaps -- so Mr. Guerra will be asking questions of
15 the CAC expert witnesses once they're done their
16 examination-in-chief. I understand it --

17 THE CHAIRPERSON: So this is in
18 relation to these -- that's why.

19 MR. STEVE SCARFONE: Yes.

20 THE CHAIRPERSON: That's fine. I just
21 -- I was trying to figure out the -- the context.

22 MR. STEVE SCARFONE: The relevance,
23 yes.

24 THE CHAIRPERSON: Yes, that's fine.
25 Okay, thank you, Mr. Scarfone.

1 Mr. Williams...?

2 DR. BYRON WILLIAMS: Yes and I'll just
3 indicate our client has no objection to Exhibit 47.
4 It's certainly well within the Rules.

5 THE CHAIRPERSON: Certainly.

6 DR. BYRON WILLIAMS: Just perhaps if I
7 might ask clarification. There was also one (1)
8 response -- a confidential response filed by letter,
9 which we received this morning and we thank Manitoba
10 Public Insurance for it.

11 Is that marked as an exhibit or how --
12 how do we treat those documents?

13 THE CHAIRPERSON: I suspect it's
14 marked as an exhibit in the CSI hearing. We're in
15 public hearing now so it wouldn't be marked as an
16 exhibit here.

17 We could -- once -- once we're finished
18 here we could go back into the CSI or Monday morning
19 or whatever, but it should be marked properly I would
20 assume as an exhibit in that -- in that proceeding.

21 DR. BYRON WILLIAMS: And I'll just --
22 we may be referring to it so I just want to make sure
23 I have the proper reference for it, Mr. Chair.

24 THE CHAIRPERSON: Sorry, you may be
25 referring --

1 DR. BYRON WILLIAMS: Not today, not
2 till Monday.

3 THE CHAIRPERSON: But if it's a
4 confidential exhibit, are you proposing to refer to it
5 in public hearing?

6 DR. BYRON WILLIAMS: Of course not,
7 sir.

8 THE CHAIRPERSON: Okay, so we would go
9 back to CSI, okay.

10 DR. BYRON WILLIAMS: I'll just note
11 for the Board, they won't be surprised to see Dr.
12 Wayne Simpson here and Ms. Andrea Sherry. Our client
13 Ms. Gloria DeSorcy has -- is -- is here as well.

14 And I'd ask that the witnesses be
15 sworn, please.

16

17 CAC WITNESS PANEL 1:

18 WAYNE SIMPSON, Sworn

19 ANDREA SHERRY, Sworn

20

21 DR. BYRON WILLIAMS: Mr. Chair, there
22 are two (2) PowerPoints that -- in support of the
23 direct evidence of the witnesses, one (1) is titled
24 the Role of the DCAT and Interest Rate Forecasting.
25 Dr. Simpson is always known for his snappy titles and

1 that we'd suggest be marked as CAC Exhibit 26.

2

3 --- EXHIBIT NO. CAC-26: PowerPoints titled the
4 Role of the DCAT and
5 Interest Rate Forecasting.

6

7 DR. BYRON WILLIAMS: And the other one
8 is the Capital Maintenance Provision and we would ask
9 that that be marked as CAC Exhibit-27.

10 THE CHAIRPERSON: Thank you.

11

12 --- EXHIBIT NO. CAC-27: Powerpoint titled Capital
13 Maintenance Provision.

14

15 EXAMINATION-IN-CHIEF BY DR. BYRON WILLIAMS:

16 DR. BYRON WILLIAMS: Dr. Simpson, and
17 Ms. Sherry, the next couple of questions I'm going to
18 ask you as a team, but I'd ask you to answer
19 sequentially for the record.

20 Dr. Simpson, and Ms. Sherry, you were
21 jointly responsible for the preparation of the report,
22 the role of the DCAT and interest rate forecasting in
23 the 2019 GRA, as well as for the report, the Capital
24 Maintenance Provision Proposed by Manitoba Public
25 Insurance?

1 MS. ANDREA SHERRY: Yes.

2 DR. WAYNE SIMPSON: Yes.

3 DR. BYRON WILLIAMS: And, Ms. Sherry,
4 and, Dr. Simpson, you were jointly responsible for the
5 preparation of information responses to the Public
6 Utilities Board 1-1, 1-2, 1-8, 1-9, as well as to
7 Manitoba Public Insurance 1-1 through 1-7?

8 MS. ANDREA SHERRY: Yes.

9 DR. WAYNE SIMPSON: Yes.

10 DR. BYRON WILLIAMS: And the
11 information provided in those reports and Information
12 Responses is accurate to the best of your knowledge
13 and ability?

14 MS. ANDREA SHERRY: Yes.

15 DR. WAYNE SIMPSON: Yes.

16 DR. BYRON WILLIAMS: Before turning to
17 your presentations, I wonder if I could ask Ms.
18 Schubert to go to Exhibit 10, Appendix B, B9, which is
19 the evidence of the -- of rel -- regarding the Capital
20 Maintenance Provision, and recognizing that you
21 already have been prequalified, Ms. Sherry, you are a
22 Fellow of the Casualty Actuarial Society and Fellow of
23 the Canadian Institute of Actuaries?

24 MS. ANDREA SHERRY: I am.

25 DR. BYRON WILLIAMS: You also hold the

1 designation of Chartered Professional Accountant
2 Certified Management Accountant?

3 MS. ANDREA SHERRY: Yeah.

4 DR. BYRON WILLIAMS: Currently you
5 serve as Vice-President Insurance Solutions at the
6 Wawanesa Mutual Insurance Company where you are
7 responsible for actuarial pricing, product development
8 and maintenance?

9 MS. ANDREA SHERRY: Yes.

10 DR. BYRON WILLIAMS: Your prior roles
11 involved work insolvency and capital enterprise risk
12 management and investments?

13 MS. ANDREA SHERRY: Yes.

14 DR. BYRON WILLIAMS: And while you
15 currently work in the private sector you served with
16 Manitoba Public Insurance as an Associate Actuary from
17 1991 to 1997?

18 MS. ANDREA SHERRY: Yes.

19 DR. BYRON WILLIAMS: You also served
20 for four (4) years with Saskatchewan Government
21 Insurance as Assistant Vice-President and Corporate
22 Actuary?

23 MS. ANDREA SHERRY: Yes.

24 DR. BYRON WILLIAMS: And perhaps if we
25 can just turn to page 10 of this same document. Ms.

1 Sherry, you were -- understand as a term of your
2 retainer you're obliged to provide evidence that is
3 fair, objective, and non-partisan; agreed?

4 MS. ANDREA SHERRY: Yes.

5 DR. BYRON WILLIAMS: Perhaps if we
6 could go to Exhibit 9, page 9, "the Role of the DCAT
7 and Interest Rate Forecasting".

8 Dr. Simpson, you are a full professor
9 in the Department of Economics at the University of
10 Manitoba and currently Acting Chair?

11 DR. WAYNE SIMPSON: Acting Head, yes.

12 DR. BYRON WILLIAMS: And you serve on
13 the Editorial Board of Canadian Public Policy, which
14 is Canada's foremost peer-reviewed academic journal
15 for economic and social policy, sir?

16 DR. WAYNE SIMPSON: Yes.

17 DR. BYRON WILLIAMS: And you were a
18 2014 recipient of the McCracken Award for the
19 Development and Analysis of Economic Statistics from
20 the Canadian Economics Association?

21 DR. WAYNE SIMPSON: Yes.

22 DR. BYRON WILLIAMS: And whether on
23 issues related to the Manitoba Public Insurance rate
24 stabilization reserve or investment strategy, you have
25 provided expert evidence to this Board in 2007, 2010,

1 2013, 2014, 2016, and 2017?

2 DR. WAYNE SIMPSON: Yes.

3 DR. BYRON WILLIAMS: And prior to
4 joining the U of M, you worked both for the Bank of
5 Canada and the Economic Council of Canada, sir?

6 DR. WAYNE SIMPSON: Yes.

7 DR. BYRON WILLIAMS: And finally, you
8 understand your duty to provide evidence that is fair,
9 objective, and non-partisan?

10 DR. WAYNE SIMPSON: Yes.

11 DR. BYRON WILLIAMS: With that we'll
12 turn it over to Dr. Simpson and CAC Exhibit 26.

13 And just for the panel's information,
14 Dr. Simpson is going to go through the first ten (10)
15 or so slides of this PowerPoint and then we'll turn
16 things over to Ms. Sherry and then we'll go back to
17 Exhibit 26, just to fin -- finish up the oral
18 presentation.

19 Please proceed when you're ready, Dr.
20 Simpson.

21 DR. WAYNE SIMPSON: Okay. Thank you.
22 I hadn't thought of a snappy title, but I guess if I
23 had, it would be something like looking back and
24 looking forward, the role of the DCAT and Interest
25 Rate Forecasting in the 2019 GRA. And I want to break

1 this up into the two (2) parts.

2 Looking back, in terms of the role of
3 the DCAT, where I'm going to look at a chronology or a
4 brief history of where this has been and where we're
5 at and in specific reference to a question that was
6 posed by the -- by the Board.

7 And then looking forward, thinking
8 about the role of interest rate forecasting and the
9 2019 GRA. Next slide, please.

10 So, these are the -- to my mind two (2)
11 of the significant features in the -- in the 2019 GRA.
12 What appears to be a renewed emphasis on attaching the
13 Minimum Capital Test to the determination of the RSR,
14 and as I said, I'm going to look back on that from the
15 beginning, which isn't that far back.

16 And then, secondly, look at the
17 continued application of the naive forecast to
18 interest rates to do the breakeven rate indication and
19 the Dynamic Capital Adequacy Test, the DCAT, to inform
20 the RSR range and what has happened to substantiate or
21 invalidate the naive forecast in -- in terms of recent
22 events. Next slide, please.

23 So, as I said, we don't have to look
24 back very far, simply going back to the 1988 Autopac
25 Review Commission, the Kopstein report. When I was

1 doing this, I was thinking that there are a number of
2 historians who've been quoted as saying that you need
3 to study history, because you don't want to repeat its
4 errors. I went back and looked at the source of that
5 which is not a historian at all, but a philosopher,
6 George Santayana, an Italian, who said:

7 "Those who cannot remember the past
8 are condemned to repeat it."

9 And so going through this I was trying
10 to provide a brief background for, essentially, the --
11 the question that the Board had posed that Mr. Sherry
12 and I tried to answer in -- in a brief form and now
13 this is -- is in a sense a more elaborate response to
14 that.

15 So the 1988 report, which lay the
16 foundation I think for the modern proceedings on the -
17 - on the GRA established, among other things, a
18 retained surplus targetable 15 percent for premiums
19 around breakeven income as the basis for what has come
20 to be called the Rate Stabilization Reserve or RSR.

21 And it also established a range which
22 would put this at plus or five (5) -- plus or minus 5
23 percent of that 15 percent target, if you will. That
24 was a midpoint target and said, in fact, that MPI
25 should -- should and would be expected to take

1 remedial action if these -- this range was -- if -- if
2 the actual income breakeven net income fell outside
3 this range.

4 And so this provided the foundation for
5 the RSR in a range of 10 to 20 percent of annual
6 premiums which would now be in a range as I -- I'm
7 going to say from a hundred and eight to 215 million
8 with a midpoint the 15 percent of 162 million.

9 And this was to protect motorists as
10 we've often heard since from rate increase associated
11 with unexpected events and losses arising from non-
12 recurring events or factors.

13 This, of course, was during a period in
14 the 1980s when inflation was a great deal higher and
15 when rates were probably considerably more volatile
16 than they've been recently as inflation has been
17 relatively stable.

18 But it provided what I would
19 characterize as a simple and transparent and, to use
20 the term that's been used recently, objective
21 mechanism index to the size of the operation of MPI,
22 but one (1) which was not linked to the actual risks
23 faced by MPI which was the problematic feature of it.

24 And these risks, of course, could be
25 increasing or decreasing through time. The only thing

1 that the -- the percentage of premiums or Kopstein
2 approach did was index it, essentially, to the growth
3 in the operations of MPI itself.

4 DR. BYRON WILLIAMS: Dr. Simpson,
5 before you leave this slide, you may have misspoke.
6 You talked about taking remedial action if net income
7 fell outside the range of 10 to 20 percent of
8 premiums.

9 Did you mean to say "net income" or did
10 you mean to say "surplus"?

11 DR. WAYNE SIMPSON: I'm sorry, I meant
12 to say that if the surplus fell. Yes, I'm sorry.

13 DR. BYRON WILLIAMS: Thank you.

14 DR. WAYNE SIMPSON: And -- and I
15 presume from those remedial actions that the action
16 would be that if the -- the -- it fell outside of 10
17 percent of the surplus, in a sense below 10 percent of
18 the surplus, that remedial action -- what we would now
19 call an RSR build -- rebuild, and if it were above 20
20 percent surplus in terms of 20 percent of premiums,
21 then there would be some form of rebate to ratepayers.
22 Although that's not explicitly stated in the
23 recommendation.

24 And those numbers, I should add, I
25 actually took out the Kopstein report from the

1 Manitoba -- University of Manitoba library. I looked
2 through it. There isn't a great deal of analysis to
3 inform us of how those numbers came about but, as I
4 suggest, they have been relatively consistent with
5 what we -- we observe as an appropriate premium for --
6 for the -- for the RSR.

7 Okay. So then the second part of the
8 chronology, which is when I became involved in 2007,
9 is the risk analysis approach or the subsequently
10 called the Operational and Risk -- Investment Risk
11 Analysis, RA/VaR.

12 And this, essentially, tried to take
13 the evidence that was available on underwriting income
14 from year to year, so, it was only the annual income
15 available with -- because we're annual proceedings and
16 to try and analyse that to see the extent of its
17 volatility and there to try to identify what is
18 referred to in statistical terms as the 95 percent or
19 the 97.5 percent confidence intervals around that.
20 So, it wouldn't exclude all outcomes, but only those
21 that are within a range of the -- of the trendline for
22 underwriting income.

23 The value of this I think, as I say, is
24 redirected the risk analysis to a more statistical or
25 scientific approach specifying a particular risk

1 tolerance level, which corresponding to the confidence
2 level used in the RA/VaR was the 97.5 percent
3 confidence interval, which indeed would correspond to
4 a 2.5 percent annual chance of occurring these adverse
5 events or 1:40 year event.

6 So, essentially, all that it was
7 excluding from the analysis of movements in
8 underwriting income were events which were outside
9 this range which would occur less frequently than once
10 in every forty (40) years.

11 And this was endorsed by the Board in
12 2007, saying that the RSR should be large enough to
13 withstand an unforeseen loss of a magnitude not
14 anticipated to occur more than once in forty (40)
15 years, and that has endured through the -- through
16 this -- since 2007.

17 The problem here was that we didn't
18 really have very much data. As I remember, when we
19 first looked at this in the -- in 2007, there were
20 only about eighteen (18) annual observations and that
21 really isn't sufficient to give you much statistical
22 reliability on -- on measuring the 97.5 percent
23 confidence interval, and indeed on trying to see if
24 the risks facing the Corporation were changing over
25 time.

1 In principle, you can do that
2 statistically, look at how the -- how the variation in
3 underwriting income is changing through time; that's a
4 fairly straightforward statistical procedure, but it
5 wouldn't be very reliable when you've only got
6 eighteen (18) annual observations. And so that wasn't
7 entirely satisfactory, and this approach was never
8 adopted as far as I can see by -- by the Board.

9 So, the third step then was in 2005 MPI
10 introduced the Minimum Capital Adequacy Test, the MCT,
11 and recommended an RSR range of 50 to 100 percent MCT
12 in the 2007 GRA. It was pointed out then, and it's
13 still pointed out, that it -- the MCT is recognized by
14 OSFI to assess capital required for a private company
15 in a competitive industry to forestall insolvency.

16 At that time, concerns were expressed
17 and still are expressed that it's not clear how
18 something that applies to private insurers in
19 competitive markets has much to say about the risk
20 profile faced MPI which is a Crown corporate monopoly.

21 In addition to that, the MCT does not
22 address the specific risk faced by MPIC. It certainly
23 doesn't itemize them and evaluate them.

24 And the Board Order in 2008 indicated a
25 desire for some sort of consensus on an RSR range,

1 which can be accepted by all parties, and that led to
2 the final step, if you will, which was the -- in 2010,
3 the Dynamic Capital Adequacy Test. This had been
4 already commissioned to assess future financial
5 condition of Basic but was now beginning to be used in
6 2010 to substantiate the RSR target.

7 At that time the scenarios that were
8 used, I've characterized as improbable catastrophe
9 scenarios which weren't grounded in historical
10 evidence and this was one (1) of the major objections.
11 And there was attempts and subsequent disc --
12 technical conferences and proceedings to move towards
13 plausible scenarios based on evidence and establish
14 risk tolerance levels.

15 2010, there was a commitment by MPI to
16 do the DCAT in-house and to closely integrate it with
17 the risk identification process, which I think
18 facilitated this kind of transformation towards these
19 plausible scenarios.

20 The consensus was then built on this
21 methodology that would be something that was
22 transparent and consistent with established risk
23 tolerance practices, again, centered around this 1:40
24 year standard. And the DCAT -- its strength, I think,
25 is it provides a direct connection of specific and

1 justifiable risks posed as these adverse events that
2 are based on the historical evidence to future
3 financial condition. And I think we've had some very
4 productive both technical conferences and exchanges in
5 proceedings that have helped to clarify what evidence
6 is useful and what evidence is not and where the best
7 scenario constructions are -- are more compelling than
8 in others.

9 Okay. But that didn't set the RSR
10 range. It simply set what was referred to as an RSR
11 target based on the 1:40 year standard. I've argued
12 that the RSR range could be produced by setting low
13 and high risk tolerance levels. For example, a 1:10
14 and a 1:200 year standard or a 1:20 and 1:100 year
15 standard to establish the lower and upper RSR
16 thresholds.

17 MPI suggested instead a hybrid
18 approach, which would use the 1:40 year standard to --
19 in the DCAT to produce the lower RSR threshold and an
20 MCT of 100 percent to set the upper threshold.
21 Although the hundred percent MCT was subject to the
22 same criticisms from before.

23 And the Board in 2016, said that it
24 continued to favour the use of the scenario testing
25 approach in the Basic DCAT for the purposes of setting

1 Basic target capital level -- levels expressed in
2 terms of Basic total equity and for purposes of
3 setting the upper threshold, the Board withdraws its
4 support for the use of the MCT and the MCT threshold
5 ratio of 100 percent. And that seems to be where
6 we're at in terms of using the DCAT to set the R -- DC
7 -- of the RSR, rather than the MCT.

8 So then why are we back using the MCT
9 in terms of expressing the DCAT range. Again, the MCT
10 is about the capital required for private companies in
11 a competitive industry and not a monopoly Crown
12 insurer to forestall insolvency. And it's difficult
13 using MCT levels whether they be 50 and 100 percent or
14 35 percent and 85 percent to attach any meaning in
15 terms of specific risks and associated risk tolerance
16 levels that are consistent with some sort of a
17 statistical or scientific approach to risk assessment.

18 The -- the DCAT, on the other hand,
19 captures the specific financial risks, as they evolve
20 according to the evidence and established risk
21 assessment pract -- practices; something the MCT
22 approach cannot do.

23 And the -- the DCAT has been built up
24 using this collaborative process. It's involved a
25 considerable amount of time. I think the process is

1 now reasonably transparent, and it seems to me that
2 there is no compelling argument at all for abandoning
3 the DCAT at this point in time.

4 So, that brings me to the -- the -- the
5 PUB question to us. We said, Ms. Sherry and I, that
6 the POP and DCAT methodology should continue to inform
7 the setting of the RSR range.

8 Question posed by the Board was:

9 "Please explain why Dr. Simpson and
10 Ms. Sherry believe the POP
11 methodology is currently informing
12 the RSR range..."

13 And the POP doesn't come up a great
14 deal anymore, I guess.

15 "...and the rationale to understand
16 the assertion that POP is currently
17 used for setting the RSR range."

18 Our response was:

19 "We are not aware of any PUB
20 decision that explicitly asserts
21 that the POP would no longer be used
22 to set the RSR range. It certainly
23 was used in the early days
24 century, I guess] with and without
25 the use of other information.

1 Although we would -- we
2 would acknowledge that
3 recent emphasis and
4 discussion has
5 concentrated on the use of
6 the DCAT to inform, if not
7 set the RSR range, and the
8 DCAT has been valuable in
9 identifying the risk
10 facing the Corporation and
11 indicating how those risks
12 change over time."

13 For example, what we've seen in the
14 proceedings using the DCAT is that the risk scenarios
15 in terms of the most prominent individual risk
16 scenarios have moved from the equity decline scenario
17 to the interest rate decline scenario and now to the
18 high loss ratio or claim scenario. And this is, I
19 think, important information not only to the
20 operations of MPI and to the Board, but also in terms
21 of setting the Rate Stabilization Reserve as a
22 protection against these kinds of risks.

23 DR. BYRON WILLIAMS: Dr. Simpson,
24 before you leave this slide, can you just remind the
25 Board what POP stands for, sir?

1 DR. WAYNE SIMPSON: POP is the
2 Percentage Of Premiums approach established by the
3 Kopstein report which was a RSR target of 15 percent
4 with a range of 10 to 20 percent of net underwriting
5 income.

6 So my final slide at this point is my
7 first recommendation, which is that the current POP
8 and DCAT methodology should -- and not the MCT level
9 should continue to inform the setting of the RSR
10 range. The lower RSR threshold is 120 million,
11 according to the DCAT, the current DCAT report, and
12 indicates a declining risk which the MCT can neither
13 detect nor evaluate.

14 The lower POP threshold on the other
15 hand, is 108 million based on net premiums written of
16 1.08 billion a little bit below the RSR threshold from
17 the DCAT report, but not a lot.

18 The upper threshold using the PUB
19 approved methodology, again based on the DCAT and
20 established risk tolerance meth -- methods -- levels
21 and statistical methods, risk assessment methods, is
22 251 million, and the upper POP threshold is 250
23 million. Again, a bit lower, but certainly the gap
24 between the upper POP threshold and the approved
25 methodology is less than, for example, the difference

1 between the approved methodology the 251 million, and
2 the 85 percent MCT figure quoted in the GRA of 305
3 million.

4 DR. BYRON WILLIAMS: Ms. Sherry, over
5 to you --

6 DR. WAYNE SIMPSON: Thank you.

7 MS. ANDREA SHERRY: Good morning,
8 everyone. We can go to the next slide.

9 Just as an overview of our arguments in
10 this paper. To start, I'm sure as everyone here is
11 very well aware based on the naive forecast of
12 interest rates, MPI has applied for a 2.2 percent
13 overall increase, which is made up of a 1.9 percent
14 decrease based on accepted actuarial practice in
15 Canada and that includes the 1.2 percent decrease
16 based on the investment income on the RSR and a 3.3
17 percent increase for the newly introduced Capital
18 Maintenance Provision.

19 So the Capital Maintenance Provision
20 suggested by MPI is calculated using the Minimum
21 Capital Test. So what they did is set the Minimum
22 Capital Test for the 9 -- 2019/'20 projection equal to
23 the 2018/'19 projection to come up with the amount of
24 capital they felt they needed to hold to keep their
25 capital at a steady level, according to the MCT.

1 What we would argue is that every year
2 MPI does a DCAT analysis, a very thorough DCAT
3 analysis which comes to the PUB, it looks at the true
4 capital need of the Corporation based on adverse
5 scenario analysis and it determines -- it could
6 determine the RSR range based on those adverse
7 scenario results and MPI could hold capital within the
8 RSR range determined that way, which we believe is
9 actually prudent fiscal management and, therefore, the
10 CMP is not necessary.

11 Through this yearly process, MPI comes
12 to the PUB and presents the results of all of these
13 analysis. If MPI needs capital through that yearly
14 process, they can ask the PUB for a rate increase to
15 bring their capital to the level it should be. Next
16 slide.

17 So, from here I'm just -- I'm going to
18 go through, basically, the arguments of the paper of
19 why we don't believe that the CMP is necessary.

20 And one (1) thing that struck me when I
21 first read the rate application this year was the
22 suggestion that CMP was agreed to at the technical
23 conference. And that again was repeated in Response
24 to CAC(MPI)-172 where the Corporation states that the
25 -- the Corporation agreed that it was appropriate to

1 include a Capital Maintenance Provision in the 2019
2 GRA.

3 I went through that transcript very
4 carefully and nowhere in that transcript does it
5 suggest that consensus was reached by all the
6 stakeholders.

7 The next spot on the CMP was that it
8 had not been vetted by the public. It is a very
9 significant change to add the CMP to the requested
10 rate change calculations and it's a theoretical change
11 and approach from what we've discussed at prior GRA
12 hearings. I believe -- we believe -- that the public
13 deserves to have its voice heard on this significant
14 change.

15 And it's not an overly complex
16 suggestion or idea, and I'm -- I'm sure that the
17 public could understand what's being suggested by the
18 CMP if given the opportunity to hear it.

19 DR. BYRON WILLIAMS: I wonder if we
20 could just stand down for a couple seconds til the
21 noise ceases.

22 MS. ANDREA SHERRY: It could come on
23 and off.

24 THE CHAIRPERSON: Let's wait five (5)
25 minutes. I apologize.

1

2

(BRIEF PAUSE)

3

4 --- Upon recessing at 10:40 a.m.

5 --- Upon resuming at 10:49 a.m.

6

7

THE CHAIRPERSON: My apologies. We're
8 trying to track this down, and I have met with the
9 landlord. By the way, in the moment we were away, if
10 anyone's interested, the FBI have arrested somebody in
11 relation to the bombs in -- in the United States.
12 They arrested somebody in Florida, so.

13

Anyways, sorry for the interruption,
14 Ms. Sherry, if you could -- if you could continue.

15

MS. ANDREA SHERRY: Of course. So I
16 think I have covered this slide, basically the CMP has
17 not been vetted by the public. So I'm moving on to
18 the next one.

19

The CMP does not align with accepted
20 actuarial practice in Canada. The Actuarial Standards
21 of Practice are silent on any addition of capital load
22 into a rate indication. And we would argue that the
23 Actuarial Standards of Practice are silent on this
24 issue, because a capital load should not be part of a
25 rate indication.

1 In response to CAC(MPI)-178, the
2 Corporation made it clear that they were not aware of
3 any literature in regards to a CMP. On to the next
4 slide.

5 As Dr. Simpson alluded to as well, we
6 feel that the use of an MCT target to set a Capital
7 Maintenance Provision level is arbitrary, and it is
8 Board approved. MPI is not regulated by OSFI so there
9 is no set MCT level that MPI is required to be above
10 and there's no way to determine one.

11 The Board has shown support for the
12 determination of the RSR range based on the DCAT
13 analysis. The MCT is formulaic with risk margins
14 that are set to ensure private companies do not go
15 insolvent and this is to protect the Canadian economy.

16 The risk margins within the MCT were
17 not set for a monopoly Crown Corporation. Again, they
18 were set for private companies to ensure they don't go
19 insolvent.

20 The CMP does not align with the Board
21 approved methodology for calculating the amount of
22 capital the Corporation requires and is not consistent
23 with work we have done to date.

24 We have done a lot of work on the DCAT
25 analysis and the use of the DCAT to set the RSR range.

1 There's a yearly process where MPI comes before the
2 Public Utilities Board with all of their analysis and
3 looks at where their capital is, and whether it's
4 within the RSR range. And at that time they can ask
5 for rate changes if the capital is below the RSR
6 range. The Board has shown support for this approach
7 in the past.

8 The introduction and basis for a CMP in
9 the 2019 GRA is incomplete and when we say this, we
10 mean that they -- in the application and throughout
11 the hearing process, there has been a lot of
12 discussion about a capital plan which the Corporation
13 does not have ready. If a CMP is something that the
14 Public Utility Board feels should be within a rate
15 application, it should come tied to a capital
16 management plan.

17 On the next slide. We also feel that
18 the introduction of a CMP increases the risk of
19 intergenerational inequity and what we mean by that is
20 that we're asking for more capital now because --
21 because the projections show that the capital of the
22 Corporation could go down in future years. But again,
23 due to the yearly process in Manitoba if that does
24 occur, then they can ask -- MPI could ask for a rate
25 increase at that time to increase their capital

1 instead of asking for it now which separates the
2 capital need from the people -- the policies that
3 would be in place in the year that the capital need is
4 actually required.

5 And moving on to the recommendations.
6 We ask or we suggest that the Public Utility Board
7 order that the CMP be removed from the 2019 GRA and
8 that the DCAT methodology be used to set the RSR
9 range.

10 We also ask that the PUB approve a
11 decrease in rates based on the 50-50 interest rate
12 forecast and accepted actuarial practice in Canada
13 which would include the investment income on the RSR.

14 That concludes mine.

15

16 (BRIEF PAUSE)

17

18 DR. WAYNE SIMPSON: So the last part
19 of mine, the looking forward, is the interest rate
20 forecasting and the 2019 DCAT report. Interest rate
21 forecasting is important both in terms of the
22 establishing the base scenario and in working through
23 the adverse scenarios and their implications for the
24 establishment of the RSR on the basis of satisfactory
25 financial conditions.

1 The recent DCATs, of course, have been
2 conducted under an unusual period of low interest
3 rates, an unusual period that emanates from the 2008
4 recession. It wasn't as deep in Canada as it was in
5 other parts of the world, our neighbours to the south,
6 but it certainly was significant. The growth out of
7 that was relatively slow and interest rates have been
8 kept low by the Bank of Canada to stimulate the
9 economy.

10 That has had two (2) consequences. One
11 (1) was the -- that one (1) of the scenarios, the
12 adverse scenarios that had been identified, interest
13 rate declined scenario, necessarily lacked historical
14 evidence and continues to be based on ad hoc
15 assumptions, as discussed in previous GRAs; that has
16 been less of an issue in this DCAT, essentially,
17 because the interest rate declines scenario is no
18 longer the most prominent individual adverse scenario.
19 It's now the high loss ratio or claim scenario.

20 It's also been a challenging period for
21 interest rate forecasting to establish the DCAT base
22 scenario and set the dr -- the breakeven rate
23 indication. It -- quick -- I would acknowledge
24 hindsight is 20/20. It's not hard to acknowledge that
25 the SIRF has been too optimistic about economic

1 recovery and rising interest rates since the 2008
2 great recession.

3 And MPI has advocated instead, the use
4 of a naive interest rate forecast, which essentially
5 says that interest rates will remain constant at some
6 point; in this case initially February of 2018, the
7 end of February and now I see updated now interest
8 rate held constant at its September 30th level in the
9 -- in the PreAsk 1 from the PUB.

10 And that goes up until the 2022 fourth
11 quarter. The forecasting here is a four-year
12 exercise. The Board Order in 2017 said that the 50/50
13 forecast should be used for rate setting in capital --
14 and target capital. The 50/50 forecast weights the
15 SIRF at 50 percent and the naive fore -- interest rate
16 forecast at 50 percent. So they get equal weighting
17 to kind of moderate the interest the -- forecasts of
18 the SIRF to reflect the fact that the SIRF has, in the
19 past, consistently overestimated economic and interest
20 rate recovery.

21 So the question then is: Why is the
22 naive interest rate forecast being used in the -- in
23 the current DCAT and GRA? Well, the standard forecast
24 error is slightly lower for the naive forecast based
25 on a historical period starting in 2005, which mostly

1 includes the period since 2008 and the period of low
2 interest rates. Slightly lower than the 50/50 and the
3 SIRF.

4 But if we look, for example, as I put
5 it in here at the last two (2) years, the 2017/2018
6 GRAs, the SIRF has clearly outperformed the naive
7 forecast which you would expect because this is the
8 period when interest rates have begun to recover in
9 the fashion that's been predicted for a long period of
10 time by the SIRF and the result of that is going to be
11 that naive forecast is going to be an understatement
12 of interest rates.

13 And you can see that if you look at the
14 difference. Under the SIRF in 2017, it was .12
15 percent, that is to say, it overestimated interest
16 rates by .12 percent. In 2018 it underestimated
17 interest rate -- interest rates by .14 percent.

18 Now, compare that to the naive, this is
19 the figures from INV-11. The naive forecast
20 consistently and significantly underestimated interest
21 rate growth by .45 percent in the 2017 GRA and by .6
22 percent in the 2018 GRA.

23 So not only has the naive forecast
24 being considerably -- the errors have been
25 considerably larger, the forecast errors, but they've

1 also been consistently in the direction of
2 underestimating interest rate growth as the economy
3 recovers.

4 In addition to that, the naive forecast
5 is deficient in the sense that it doesn't pay
6 attention to other signs of economic recovery in the
7 domestic policy response by the Bank of Canada in a
8 fashion that forecasters would, and in particular,
9 that's reflected in the standard interest rate
10 forecast from the -- the five (5) banks and the -- and
11 global insight.

12 So, what do we mean by monetary policy
13 response? Well, if you read the Bank of Canada
14 monetary policy reports, they always start with the
15 following statement:

16 "The bank carries out monetary
17 policy through changes in the target
18 for the overnight rate of interest.
19 These changes are transmitted to the
20 economy through their influence on
21 the market interest rates and that
22 overnight rate of interest for that
23 reason is often referred to as the
24 policy rate."

25 The bank has already raised the

1 overnight rate three (3) times now, this year,
2 January, July and as recently as Wednesday following
3 two (2) increases last year in July and September and
4 this policy rate as of Wednesday stands at 1.75
5 percent as of July the 12th of -- July the 11th of
6 2017 it was at .5 percent.

7 And the recent statement from the
8 September 5 release:

9 "Recent data reinforced governing
10 Council's assessment that higher
11 interest rates would be warranted,
12 not one (1) increase, higher
13 interest rates will be warranted to
14 achieve the inflation target."

15 And certainly much of the discussion
16 subsequent to this rate increase on Wednesday is that
17 future interest rate increases -- increases in the
18 policy rate are forthcoming.

19 What is MPI's response to this?
20 CAC(MPI)1-6, the Bank of Canada's policy rate is not
21 material. However, the Government of Canada 10 year
22 benchmark rate is tracking upward movement of -- very
23 closely to the Bank of Canada policy rate.

24 And I would argue that the policy rate
25 is, in fact, material and the naive forecast will

1 continue to be significantly biased downward if it --
2 if it is used for the DCAT and the breakeven rate
3 indication.

4 THE CHAIRPERSON: Sorry, Dr. Simpson,
5 I just want to make sure that the record is clear.

6 You said it would be "significantly
7 biased downward," your presentation says "biased
8 downward," which one is it? There's a difference --

9 DR. WAYNE SIMPSON: The nai --

10 THE CHAIRPERSON: -- between biased
11 down and --

12 DR. WAYNE SIMPSON: The -- the -- what
13 did I say --

14 THE CHAIRPERSON: Significantly biased
15 downward. Sorry, in your oral testimony you said
16 "would be significantly biased downward."

17 I just want to know if we are relying
18 on the oral testimony or we're relying on the words in
19 your presentation?

20 DR. WAYNE SIMPSON: Well, there's no
21 statistical test here. So I'm not -- I'm not claiming
22 statistical significance. I am simply saying that the
23 -- the differences will be large.

24 THE CHAIRPERSON: Okay. The --

25 DR. WAYNE SIMPSON: And -- and -- and

1 the direction will be downward.

2 THE CHAIRPERSON: Okay. So we'll go
3 on it will be biased downward then?

4 DR. WAYNE SIMPSON: Biased downward,
5 that's right, yes.

6 THE CHAIRPERSON: Okay. I just want
7 to -- I just want to make sure, because -- okay.
8 Thank you.

9 DR. WAYNE SIMPSON: So here is the
10 request to pro -- to track the policy rate changes,
11 which is the red step function and the Government of
12 Canada 10 year bond rate, which is the blue squiggly
13 line and you can see from this the fairly strong
14 evidence. This is the kind of evidence that you would
15 use when, you know, simple visual evidence you'd start
16 with if you were doing a -- a more complete analysis
17 of the relationship between the policy rate and the --
18 and other interest rates, like the 10 year bond rate
19 of the sort that the Bank of Canada and monetary
20 policy people do on a regular basis.

21 And what you can see there is that the
22 two (2) have moved pretty much in lockstep, that is to
23 say, as the policy rate has gone up the Government of
24 Canada 10 year bond rate has gone up. You can draw --
25 visually draw a line -- I haven't done that -- but you

1 can draw a line through that squiggly movement of the
2 Government of Canada 10 year bond rate to upward
3 level.

4 And, of course, what is missing from
5 there is the most recent increase and prospective
6 future increases that are anticipated but not yet
7 realized which we think will also move that Government
8 of Canada 10-year rate higher, and that's reflected in
9 the standard interest rate forecast, but not in the
10 naive forecast. In fact, the naive forecast, I
11 suppose would take the Government of Canada 10-year
12 rate as of September, which is the -- the bottom of
13 that last increase and -- and move it across and say,
14 this is going to remain stable from the current moment
15 until the fourth quarter of 2022.

16 Okay then, finally, does the interest
17 rate forecast matter? Yes and no? Yes. Looking at
18 figure INV-12, the breakeven rate indication and the
19 GRA is set at .1 percent under the naive forecast, but
20 is only minus .5 percent under the 50/50 forecast, and
21 minus 1 percent under the SIRF.

22 In the PreAsk, the figures now are that
23 the naive forecast will provide a rate -- breakeven
24 rate indication of minus .26 percent and the 50/50
25 forecast would provide a breakeven rate indication of

1 minus .6 percent.

2 But no in the sense that the -- the
3 evidence to suggest that the -- provided by MPI
4 suggests that total equity is higher under the 50/50
5 than under the naive forecast so that sat --
6 satisfactory financial condition for Basic in the DCAT
7 report would not be adversely affect -- affected by
8 the adoption of the 50/50 or indeed, the SIRF.

9 So, the first recommendation I had then
10 -- and I'll repeat -- was that the current POP and
11 DCAT methodologies not MCT level should continue to
12 inform the setting of the RSR range and I would add to
13 that that the 50/50 interest rate forecast should be
14 used for the breakeven rate indication in the DCAT
15 analysis.

16 The naive forecast is inferior to the
17 50/50 and SIRF forecasts recently, that is to say the
18 last few years, and the naive forecast ignores recent
19 monetary policy and economic events that indicate
20 rising interest rates as forecast by the SIRF.

21 And I was thinking about the 50/50
22 forecast, which was simply said, let's take -- let's
23 split the differences. Let's take the naive forecast
24 and let's take the SIRF forecast to suggesting that,
25 in fact, those are equally valid at this point in

1 time, and I suspect if I had to -- if I were
2 questioned on this, I would say if you give me a
3 choice between the SIRF and the naive forecast and
4 don't allow for the 50/50, I would say, well, I'll
5 take the SIRF. I think it's going to a better
6 forecasting job, and I've indicated why based on the
7 last couple of years, which suggest to me that maybe
8 those weightings of 50/50 are wrong, that probably the
9 weighting towards the SIRF should be higher than --
10 than 50 percent.

11 But, the Board Order that exists on
12 50/50 is what it is and -- and I think that is a
13 reasonable compromise at this time while we assess the
14 ongoing evidence not only on the forecasting ability
15 of the 50/50, the SIRF and the naive, but also on the,
16 you know, the actual performance of the economy and
17 where interest rates have gone.

18

19 CONTINUED BY DR. BYRON WILLIAMS:

20 DR. BYRON WILLIAMS: Just before we
21 close, Dr. Simpson, you were referring to a PreAsk and
22 would it be correct to suggest that that is MPI
23 Exhibit 32, sir, or you'll accept that subject to
24 check?

25 DR. WAYNE SIMPSON: I'll accept that

1 subject to check, yes.

2 DR. BYRON WILLIAMS: That concludes
3 the direct presentation of Dr. Simpson and Ms. Sherry.
4 There are available for cross-examination.

5 MS. KATHLEEN MCCANDLESS: Just to pop
6 in and clarify something, I believe it's MPI Exhibit
7 Number 26.

8 DR. BYRON WILLIAMS: Okay. So it's
9 the first version, sorry, my apologies.

10 DR. WAYNE SIMPSON: Yeah, that -- that
11 -- that was my recollection as well, but I didn't want
12 to question Mr. Williams' fine memory and adequate --
13 more than adequate support.

14 THE CHAIRPERSON: Mr. Williams, you're
15 done, then?

16 DR. BYRON WILLIAMS: That concludes
17 our direct, sir.

18 THE CHAIRPERSON: Okay, thank you.
19 Mr. Scarfone...?

20 MR. STEVE SCARFONE: Yes, Mr. Guerra
21 is going to conduct the cross-examination, Mr. Chair.

22 MR. ANTHONY GUERRA: Thank you, Mr.
23 Chair.

24 THE CHAIRPERSON: Mr. Guerra...?
25

1 CROSS-EXAMINATION BY MR. ANTHONY GUERRA:

2 MR. ANTHONY GUERRA: And that good
3 morning and thank you very much to you, Dr. Simpson
4 and Ms. Sherry for presenting yourselves today and for
5 your presentations. They're very helpful and I
6 appreciate that you've taken some time out of your --
7 your day to spend with us this morning.

8 I do have some questions and I realize
9 that you're presenting this morning as a panel. So I
10 will do my best to try to direct the questions to who
11 I think is the appropriate person, however, if -- if I
12 have misdirected the question, if you could please let
13 me know and jump in as appropriate, that would be
14 greatly appreciated.

15 Mr. -- sorry, Dr. Simpson, just to
16 confirm your background as it -- is as an economist
17 and a professor; is that correct?

18 DR. WAYNE SIMPSON: Yes.

19 MR. ANTHONY GUERRA: You're not an
20 actuary, is that correct?

21 DR. WAYNE SIMPSON: No.

22 MR. ANTHONY GUERRA: And for the
23 purposes of this application, you've been retained by
24 the CAC to provide critical review of -- in this case,
25 the issue of interest rates; is that fair to say?

1 DR. WAYNE SIMPSON: Interest rate
2 forecasting.

3 MR. ANTHONY GUERRA: Interest rate
4 forecasting.

5 DR. WAYNE SIMPSON: And -- and in --
6 in the context of the DCAT, as well as -- most
7 particularly the DCAT.

8 MR. ANTHONY GUERRA: But also the
9 breakeven rate indication?

10 DR. WAYNE SIMPSON: Yeah, the GRA.

11 MR. ANTHONY GUERRA: And my
12 understanding is that you are present today in your
13 capacity as a -- an expert and professional, correct?

14 DR. WAYNE SIMPSON: Yes.

15 MR. ANTHONY GUERRA: And you've
16 expressed opinions and I expect that you will continue
17 to express opinions as I question you and just to
18 confirm, if you do express opinions, they will be your
19 professional opinions, correct?

20 DR. WAYNE SIMPSON: Correct.

21 MR. ANTHONY GUERRA: And you will
22 advise me if that's not the case. If you're
23 expressing a, let's say for example, a personal
24 opinion, correct?

25 DR. WAYNE SIMPSON: Yes.

1 MR. ANTHONY GUERRA: Thank you. And,
2 Ms. Sherry, my understanding is that you are an
3 actuary, correct?

4 MS. ANDREA SHERRY: I am and an
5 accountant.

6 MR. ANTHONY GUERRA: And an accountant
7 and I understand you're also a Fellow of the Chartered
8 Insurance Professionals, correct?

9 MS. ANDREA SHERRY: Correct.

10 MR. ANTHONY GUERRA: And you're not an
11 economist, though, correct?

12 MS. ANDREA SHERRY: No, I'm not.

13 MR. ANTHONY GUERRA: And my
14 understanding is that you were retained by the CAC to
15 provide a critical review of the issues regarding the
16 Capital Maintenance Provision, correct?

17 MS. ANDREA SHERRY: Among other
18 things, yes.

19 MR. ANTHONY GUERRA: What other things
20 were you retained by the CAC to comment on?

21 MS. ANDREA SHERRY: I can't remember
22 the exact words in my retainer letter, but I did do a
23 critical review of the entire GRA from my perspective
24 as an industry professional since -- for a long time
25 and as an accountant and as an actuary and -- an

1 insurance experts, all of those things.

2 MR. ANTHONY GUERRA: Is -- I'm sorry,
3 I don't mean to interrupt.

4 Is it fair to say that your -- your
5 opinions, though, don't necessarily extend to issues
6 like the interest rate forecasting, that's more Dr.
7 Simpson's opinion in this case?

8 MS. ANDREA SHERRY: We corroborated on
9 that. I do have experience with interest rates, and
10 investments from my prior experience. I am not an
11 economist and do not profess to be, however, I do have
12 experience with that.

13 MR. ANTHONY GUERRA: And again, the
14 opinions that you've expressed in your report and the
15 opinions that you've expressed in your testimony
16 before the -- the Board this morning, those are your
17 professional opinions?

18 MS. ANDREA SHERRY: Yes.

19 MR. ANTHONY GUERRA: And when I go
20 through some questions with you, if you are professing
21 or expressing an opinion that is not your professional
22 opinion, you'll advise me?

23 MS. ANDREA SHERRY: Yes.

24 MR. ANTHONY GUERRA: Thank you. Is it
25 fair to say that the report titled The Role of the

1 DCAT and Interest Rate Forecasting in the 2019 GRA
2 that, Dr. Simpson, you were the lead author of that
3 report?

4 DR. WAYNE SIMPSON: It was a joint
5 effort of the two (2), of myself and Ms. Sherry, yes.

6 MR. ANTHONY GUERRA: Okay, so to
7 confirm then that you're not saying -- there -- there
8 wasn't a lead author for -- for -- for the purposes of
9 either of those two (2) reports?

10 DR. WAYNE SIMPSON: You didn't use the
11 term "lead author" before. If you say "lead author,"
12 yes, I was the lead author, but we -- we collaborated,
13 just as Ms. Sherry was the lead author on the other
14 report but we collaborated.

15 MR. ANTHONY GUERRA: Okay, well, now I
16 guess my question, which is: Ms. Sherry, you were, in
17 fact, lead author of the -- the report titled The
18 Capital Maintenance Provision proposal by MPI; that's
19 correct?

20 MS. ANDREA SHERRY: If you mean by
21 "lead author" I did the first draft and then worked
22 with Dr. Simpson to complete the paper then yes.

23 MR. ANTHONY GUERRA: Okay. And -- and
24 just for ease of reference throughout the -- throughout
25 the questioning, I'm going to refer to the -- the Role

1 of the DCAT and Interest Rate Forecasting in the 2019
2 GRA report as the DCAT report, are you okay with that?

3 DR. WAYNE SIMPSON: Sure.

4 MR. ANTHONY GUERRA: Thank you. And
5 I'm also going to refer to the -- the second report,
6 the Capital Maintenance Provision Proposal by MPI as
7 the CMP report.

8 You're okay with that as well?

9 MS. ANDREA SHERRY: Yes.

10 MR. ANTHONY GUERRA: Thank you. So
11 turning to the CMP report, there are a number of
12 arguments made against the use of a CMP in the 2019
13 General Rate Application, you'd agree with me on that?

14 MS. ANDREA SHERRY: Yes.

15 MR. ANTHONY GUERRA: And, Ms. Sherry,
16 you reviewed the General Rate Application for 2019
17 that was filed by MPI; correct?

18 MS. ANDREA SHERRY: Yes.

19 MR. ANTHONY GUERRA: And you
20 understand in terms of the Capital Maintenance
21 Provision what MPI is proposing; correct?

22 MS. ANDREA SHERRY: Yes.

23 MR. ANTHONY GUERRA: You'd agree with
24 me, Ms. Sherry, that the purpose of MPI's Capital
25 Maintenance Provision in this case is to ensure that

1 it has the same ratio of capital available to the
2 capital required in its rate stabilization reserve as
3 at February 28th, 2020, as it had in February 28th,
4 2019?

5 MS. ANDREA SHERRY: Yes.

6 MR. ANTHONY GUERRA: And you'll agree
7 with me that the CMP looks at the RSR balance at the
8 end of a fiscal year?

9 MS. ANDREA SHERRY: Yes.

10 MR. ANTHONY GUERRA: And then when it
11 looks at that balance, it estimates what it would --
12 the amount that it would need to keep that balance and
13 the same capital position at the end of the next
14 fiscal year; correct?

15 MS. ANDREA SHERRY: To keep the same
16 MCT ratio.

17 MR. ANTHONY GUERRA: Yes. Thank you
18 and I appreciate that because we -- we use the MCT
19 ratio or the Minimal Capital Test to measure the
20 relative strength of that capital; correct?

21 MS. ANDREA SHERRY: I'm not sure if
22 you're asking if I agree with the premise or if I
23 agree that MPI is suggesting that.

24 MR. ANTHONY GUERRA: What I'm
25 suggesting is that the MCT ratio is used to measure

1 the relative strength of the capital between one
2 fiscal year and the other?

3 MS. ANDREA SHERRY: By a private
4 companies?

5 MR. ANTHONY GUERRA: By MPI in this
6 case.

7 MS. ANDREA SHERRY: I'm not sure that
8 I agree with the premise of the question. You're
9 suggesting that MCT could be used to determine the
10 strength of the capital position of MPI and I am
11 actually arguing against that, that it shouldn't be
12 used.

13 MR. ANTHONY GUERRA: I argue --

14 MS. ANDREA SHERRY: So I can't answer
15 that question.

16 MR. ANTHONY GUERRA: Well, I
17 appreciate that -- that you're arguing that it should
18 not be used, but the question was, again, directed to
19 what is being used and MPI's proposing that it measure
20 the relative strength of its capital from one (1)
21 fiscal year to another you with this MCT ratio.

22 You would agree with that?

23 MS. ANDREA SHERRY: I would agree that
24 MPI is proposing that, yes.

25 MR. ANTHONY GUERRA: Okay. And you'd

1 agree that MCT is one (1) way of looking at the
2 relative strength of that capital from one (1) year to
3 another, correct?

4 MS. ANDREA SHERRY: Not for a Crown
5 corp -- Crown monopoly Corporation, I would disagree
6 with that.

7 MR. ANTHONY GUERRA: Okay, so but --

8 MS. ANDREA SHERRY: That's the whole
9 premise.

10 MR. ANTHONY GUERRA: No, I appreciate
11 that. But you're -- but what I would agree -- what
12 you would agree with me on is that it is one (1) way
13 to -- to look at the relative strength of capital from
14 one (1) year to another?

15 MS. ANDREA SHERRY: For private
16 companies that are regulated by OSFI.

17 MR. ANTHONY GUERRA: You would also
18 agree with me, though, that a -- without a Capital
19 Maintenance Provision MPI's Basic -- sorry MPI would
20 expect that it's MCT ratio for Basic would decline
21 over the next five (5) years.

22 MS. ANDREA SHERRY: That is what MPI's
23 projections are showing.

24 MR. ANTHONY GUERRA: And you would
25 agree that the Board, and in this case the Public

1 Utilities Board, has appreciated MPI's need to protect
2 Basic's capital position from depletion?

3 MS. ANDREA SHERRY: Yes, but did not
4 necessarily say how that would be done or how the
5 capital would be determined. To my knowledge, and
6 correct -- please correct me if I'm wrong, the Public
7 Utility Board has never stated that the MCT should be
8 the basis on which the capital of Manitoba Public
9 Insurance should be judged, whether it's the right
10 level.

11 MR. ANTHONY GUERRA: Is -- is it fair
12 to say, Ms. Sherry, that a decline in the MCT ratio --
13 if -- if we're using that ratio, I appreciate that yo
14 -- that your position is that it shouldn't be, but if
15 it -- if it is used that the decline in the ratio or a
16 depletion in the capital position of Basic isn't a bad
17 thing necessarily?

18 MS. ANDREA SHERRY: Sorry, repeat the
19 question.

20 MR. ANTHONY GUERRA: Is it fair to say
21 that your position is that a decline in the MCT ratio
22 -- if -- if that's the ratio that's used or a
23 depletion in capital, if you consider the appreciation
24 of the -- the Board in terms of the need to protect
25 Basic's capital position is not necessarily a bad

1 thing from your perspective?

2 MS. ANDREA SHERRY: What I'm
3 suggesting is that if you look at the risks of the
4 Corporation through -- and I'm suggesting through a
5 thorough DCAT analysis, you would be able to see how
6 much capital the Corporation needs to hold in order to
7 ensure it is covered for those risks.

8 So, certain moves by the Corporation,
9 certain changes in the risk profile of the Corporation
10 could change what the RSR range would be based on that
11 DCAT analysis. So, if the -- the capital of the
12 Corporation is within the RSR range that is determined
13 through that thorough analysis, then I would say that
14 they are adequately capitalized.

15 MR. ANTHONY GUERRA: Right. But you'd
16 also say that, let's say, for example, the -- the --
17 the balance of the RSR translated into an MCT ratio of
18 35 percent, falls in the next year to 30 percent, but
19 that doesn't necessarily translate or necessarily
20 result in a -- in a -- in an unsatisfactory situation
21 for MPI, correct?

22 MS. ANDREA SHERRY: Because the MCT
23 just -- is not really applicable to MPI, I would agree
24 with that.

25 MR. ANTHONY GUERRA: An -- and you'd

1 also agree --

2 MS. ANDREA SHERRY: It's not the
3 relevant factor to be looked at.

4 MR. ANTHONY GUERRA: And you'd also
5 agree, though, that -- that the capital depletion of
6 Basic, if -- if it were to deplete from one (1) year
7 to another, that -- that's not necessarily a bad thing
8 either.

9 MS. ANDREA SHERRY: I think it depends
10 on the risk profile of the Company at the time.

11 MR. ANTHONY GUERRA: Right. It -- it
12 depends on where the RSR targets are, correct?

13 MS. ANDREA SHERRY: Correct.

14 MR. ANTHONY GUERRA: And that's really
15 all that matters is whether or not the balance of the
16 RSR is within the range established by the Dynamic
17 Capital Adequacy Test, correct?

18 MS. ANDREA SHERRY: In terms of
19 whether the Corporation is adequately capitalized,
20 correct.

21 MR. ANTHONY GUERRA: If it's in --
22 within that range it's adequately capitalized and we
23 don't need to worry about a rebate or rebuilding fee,
24 correct?

25 MS. ANDREA SHERRY: Because the

1 process is yearly I believe it can be analysed every
2 year and action taken if required based on the
3 results.

4 MR. ANTHONY GUERRA: So if the RSR
5 balance is within this target range, the upper and
6 lower thresholds, MPI's holding sufficient capital and
7 that's really the end of the story, correct?

8 MS. ANDREA SHERRY: Just one moment.

9

10 (BRIEF PAUSE)

11

12 MS. ANDREA SHERRY: Sorry. Sorry
13 about that. I'm -- and again I'm sorry, could you
14 please repeat the question?

15 MR. ANTHONY GUERRA: If the RSR
16 balance is within the range, the upper and lower
17 threshold targets for the RSR, as established by the
18 Dynamic Capital Adequacy Test or DCAT, your position
19 would be that MPI is holding sufficient capital and
20 there's no need to talk about anything else in terms
21 of a rebuilding fee or a rebate, end of story.

22 MS. ANDREA SHERRY: So, one (1) caveat
23 to that would be that as long as the DCAT is performed
24 thoroughly, properly, the adverse scenarios are
25 accurate, adequate -- as long as the DCAT analysis is

1 -- is ver -- very robust and the RSR range determined
2 from it, then I would agree with one (1) caveat and
3 that is that the rates still may need to be changed
4 depending on the rates determined based on accepted
5 actuarial practice.

6 MR. ANTHONY GUERRA: If the RSR --
7 sorry --

8 DR. WAYNE SIMPSON: Could I just add
9 something here?

10 MR. ANTHONY GUERRA: Absolutely.

11 DR. WAYNE SIMPSON: The -- one -- the
12 initial pretext of the question revolved around a
13 declining MCT and I think in the GRA that is projected
14 based upon the interest rate forecast, a naive
15 interest rate forecast.

16 In my view, I think, our view, that
17 would -- that builds in a degree of pessimism about
18 interest rates. It essentially builds in a portion of
19 the interest rate decline scenario that properly
20 belongs in the DCAT to set the RSR range because, as I
21 think I've -- we've -- I've tried to point out in my
22 presentation, the naive forecast is pretty pessimistic
23 on interest rates, and that'll have some adverse
24 effects on -- on MPI's capital position that would --
25 that I don't think will be realized.

1 MR. ANTHONY GUERRA: Right. But, Dr.
2 Simpson, are you saying then that using the naive
3 interest rate forecast if it were to result in a
4 decrease in the MCT ratio from one (1) year to a next,
5 that that would be an area that MP -- MPI should be
6 concerned about?

7 DR. WAYNE SIMPSON: I think that a --
8 a better forecast of interest rates such as the 50/50
9 or SIRF would be the thing I would be more interested
10 in in dealing with their projections when I'm -- I
11 wouldn't want to build in the kind of adverse scenario
12 that's implied by the naive forecast.

13 And I would reserve the pessimism about
14 interest rates for the specific scenarios of the DCAT
15 where the ad hoc interest rate decline forecast
16 essentially mimics the -- the naive forecast.

17 MR. ANTHONY GUERRA: But getting back
18 to my question about the MCT ratio -- declined in the
19 MCT ratio from year to year is not necessarily concern
20 for -- for you, Dr. Simpson?

21 DR. WAYNE SIMPSON: That's correct.
22 I'm only questioning the pretext that it will decline
23 under more realistic -- under better interest rate
24 forecasts.

25 MR. ANTHONY GUERRA: I appreciate

1 that. Thank you.

2 And so just if I -- I have your
3 position correctly, Ms. Sherry, if the RSR balance
4 were to go below the DCAT and I appreciate that we're
5 talking but a robust and detailed DCAT, but
6 nonetheless a DCAT established RSR target, at that
7 point in time, it might be appropriate for MPI to come
8 to the Board and seek a rebuilding fee as part of its
9 rate indication, correct?

10 MS. ANDREA SHERRY: Yes.

11 MR. ANTHONY GUERRA: Is -- is it fair
12 to say then, Ms. Sherry, that you -- you don't have a
13 scenario in mind where it makes sense for -- for MPI
14 to -- to be utilizing Capital Maintenance Provision?

15 MS. ANDREA SHERRY: No, I don't.

16 MR. ANTHONY GUERRA: And is it fair to
17 say that a discussion about the inclusion of a build
18 or release provision on a Capital Maintenance
19 provision wouldn't change your opinion, which is CMP
20 is not appropriate for MPI?

21 MS. ANDREA SHERRY: It would not
22 change my opinion. I do you think that a proper
23 capital management plan would be a good thing for MPI,
24 but I do not think that the Capital Maintenance
25 Provision as it's -- is now is part of that.

1 MR. ANTHONY GUERRA: Thank you. We
2 heard you testify earlier today about the technical
3 conference directed by the Board on the issue of CMP.
4 Do you remember that?

5 MS. ANDREA SHERRY: Yes.

6 MR. ANTHONY GUERRA: And my
7 understanding is that you have -- you went through the
8 transcript of that technical conference very
9 carefully, is that correct?

10 MS. ANDREA SHERRY: I did.

11 MR. ANTHONY GUERRA: I was there. I
12 don't think you were there though.

13 MS. ANDREA SHERRY: I was not. I
14 couldn't be, unfortunately.

15 MR. ANTHONY GUERRA: Not a problem.
16 But you're confident that you were aware of the issues
17 that were discussed at the technical conference,
18 correct.

19 MS. ANDREA SHERRY: Yes. It has been
20 a few months since I read it, but I did read it very
21 carefully.

22 MR. ANTHONY GUERRA: And you're aware
23 that there was a representative of SGI present at the
24 technical conference?

25 MS. ANDREA SHERRY: Yes.

1 MR. ANTHONY GUERRA: And that that
2 representative was there to talk about the use of a
3 Capital Maintenance Provision by SGI?

4 MS. ANDREA SHERRY: M-hm, I read that
5 with great interest.

6 MR. ANTHONY GUERRA: Is it fair to say
7 then, that despite the discussion that -- that -- that
8 took place at that conference that you have made aware
9 -- were made aware of by the transcript that there was
10 nothing that was discussed at the -- at the conference
11 that changed your opinion about the appropriateness of
12 a CMP for MPI?

13 MS. ANDREA SHERRY: No.

14 THE CHAIRPERSON: Sorry, can we,
15 instead of using the letters, can we indicate what's
16 meant by CMP because we've got --

17 MR. ANTHONY GUERRA: Apologies --

18 THE CHAIRPERSON: Two (2) different
19 CMPs in -- in reference in the hearing.

20 MR. ANTHONY GUERRA: Yes, I'm --

21 MS. ANDREA SHERRY: Sorry --

22 MR. ANTHONY GUERRA: I'll refer to
23 CMP's as Capital Maintenance Provision from now on.
24 Thank you, and I apologize for that.

25

1 CONTINUED BY MR. ANTHONY GUERRA:

2 MR. ANTHONY GUERRA: Sorry -- just to
3 ans -- just to get back to the question, I believe
4 your answer was yes, but do you want me to ask the
5 question again?

6 MS. ANDREA SHERRY: Yes, please.

7 MR. ANTHONY GUERRA: Okay. So is it
8 fair to say then that notwithstanding what you've read
9 in the transcript of that technical conference and the
10 discussion from the representative of SGI, that
11 nothing in that transcript changed your opinion about
12 the appropriateness of a CMP for MPI?

13 MS. ANDREA SHERRY: No.

14 THE CHAIRPERSON: All right. Once
15 again --

16 MR. ANTHONY GUERRA: Oh, my apologies.
17 I'm sorry --

18 THE CHAIRPERSON: Capital Maintenance
19 Provision?

20 MR. ANTHONY GUERRA: Capital
21 Maintenance Provision.

22 THE CHAIRPERSON: Or Capital
23 Management Plan?

24 MS. ANDREA SHERRY: Okay.

25 THE CHAIRPERSON: Capital Maintenance

1 Provision. Okay. I just want to make sure for the
2 transcript because --

3 MR. ANTHONY GUERRA: Hard knocks.

4 THE CHAIRPERSON: Okay.

5

6 CONTINUED BY MR. ANTHONY GUERRA:

7 MR. ANTHONY GUERRA: Now, I would like
8 to take you to the report that was prepared -- the CMP
9 report that I referred to earlier. I -- I define that
10 as a term so I'm going to stick with that.

11 And, in particular, can I turn your
12 attention to page 6? I believe that's CAC Exhibit
13 Number 9, Ms. Schubert.

14 Now, I'm looking at -- looking under
15 heading number 7, The Introduction of a CMP in the
16 2019 GRA.

17 MS. ANDREA SHERRY: M-hm.

18 MR. ANTHONY GUERRA: Now, the -- the
19 first paragraph there says:

20 "With a CMP in place, the
21 Corporation is building capital by
22 collecting extra premium from those
23 policyholders in place during the
24 rating year in question. The
25 capital collected is built up until

1 a rebate is required."

2 Ms. Sherry, can you explain to -- to me
3 and to -- to the Board how a CMP builds up capital
4 until a rebate is required?

5 MS. ANDREA SHERRY: My understanding
6 of the CMP was that it would be collected now and the
7 RSR would be larger because the CMP was there and that
8 it could be applied for up to a point where the RSR
9 would actually be above the range calculated.

10 MR. ANTHONY GUERRA: Okay, but you'd
11 agree with me that -- that scenario that you've talked
12 about doesn't happen unless there's a change in the
13 risk profile that lowers -- the -- the higher end --
14 the upper threshold RSR target, correct?

15 MS. ANDREA SHERRY: That could be
16 unless a CMP was asked for in future rate applications
17 as well.

18 MR. ANTHONY GUERRA: To -- to build up
19 the RSR above the upper threshold?

20 MS. ANDREA SHERRY: Or just to get it
21 close enough that it could potentially go above the
22 thresholds.

23 MR. ANTHONY GUERRA: I want to draw
24 your attention to CAC Exhibit Number 27, that's the
25 presentation that you provided or -- or presented on

1 the -- on the Capital Maintenance Provision, and in
2 particular slide number 8, Ms. Schubert?

3

4

(BRIEF PAUSE)

5

6

MR. ANTHONY GUERRA: Sorry. I may
7 have given you the wrong indication here.

8

9

(BRIEF PAUSE)

10

11

MR. ANTHONY GUERRA: It's the Capital
12 Maintenance Provision presentation. It's the heading
13 that is -- I have it as slide 8, but perhaps I'm
14 wrong. And the CMP does not align with -- yes, that's
15 right. Thank you.

16

So the heading says The CMP Does Not
17 Align With the Board Approved Methodology for
18 Calculating the Amount of Capital the Corporation
19 Requires, nor is it consistent with the work to date.

20

21 state:

22

23

24

"A great deal of work has been done
on the use of the DCAT to set the
RSR range."

25

Ms. Sherry, you -- you're not saying

1 that MPI is seeking to replace the DCAT established
2 targets with the CMP, are you?

3 MS. ANDREA SHERRY: What I'm saying is
4 that a great deal of work has been done to use the
5 DCAT so set the RSR range, which is the determination
6 of whether the Corporation holds adequate capital.

7 MR. ANTHONY GUERRA: You're aware,
8 however, though, that MPI does plan to continue using
9 the DCAT analysis to confirm the most appropriate RSR
10 targets, correct?

11 MS. ANDREA SHERRY: Correct. What I'm
12 saying here is that the CMP or the Capital Maintenance
13 Provision does not align with that. Does not align
14 with all of the work that we've done to determine
15 where the capital of the Corporation needs to be.

16 MR. ANTHONY GUERRA: Okay, I want to
17 shift your attention now to the discussion about the
18 Minimum Capital Test, or MCT, to determine the RSR,
19 Rate Stabilization Reserve targets.

20 Ms. Sherry, you would agree with me --
21 or sorry, Dr. Simpson, this may also pertain to your
22 evidence as well, you would agree with me, though,
23 that absent significant changes in the risk profile of
24 the Corporation, the Minimum Capital Test accurately
25 estimates the RSR targets in future years based on

1 growth on the balance sheet.

2 MS. ANDREA SHERRY: I actually would
3 not agree with that. I would say that the MCT, as I
4 stated earlier, is an Office of the Superintendent of
5 the Financial Institute to determine the capital
6 adequacy of private companies and whether they are at
7 risk of insolvency.

8 The risk margins set out in the MCT are
9 set with that in mind, based on data from private
10 companies. I cannot say that it applies to a monopoly
11 Crown Corporation.

12 MR. ANTHONY GUERRA: I am going to
13 draw your attention to the -- sorry, I'm sorry.

14 MR. WAYNE SIMPSON: I just thought I'd
15 add that I think what the DCAT is showing in recent
16 years is precisely that that's not correct.

17 In other words, you said other things
18 held the same ceteris paribus assumption, but other
19 things are not the same. The risk challenges facing
20 MPI are changing and the claims scenario, the high
21 loss ratio scenario has now become the most important
22 scenario in place of the interest rate decline
23 scenario, which in turn replaced the equity decline
24 scenario.

25 And what we've seen, perhaps a pat on

1 the back to MPI's own operations in terms of asset
2 liability management, is that they've reduced some of
3 the risks in that area, so that the equities and
4 interest rates are not as serious risks, with the
5 result that overall the risks facing the Corporation
6 appear to be declining and appear to be emphasizing
7 more of the claims risk.

8 So the idea that the MCT could pick up
9 any of this seems to me to be -- shown to be
10 incorrect.

11 DR. BYRON WILLIAMS: Mr. Guerra, I
12 apologize for interrupting.

13 Dr. Simpson did use a Latin term and
14 just for the court reporter, I wonder if you could
15 spell it, and then I do apologize for interrupting,
16 sir.

17 MR. ANTHONY GUERRA: Not at all.

18 MR. WAYNE SIMPSON: Economists use the
19 term ceteris paribus C-E-T-E-R-I-S space P-A-R-I-B-U-S
20 or at least older economists like me, to simply mean
21 that other things held constant, and that the
22 statement essentially said, well, if nothing changes
23 from year to year, you might use the MCT levels that
24 you've established from the DCAT for the lower and
25 upper threshold at one point in time to project

1 forward what the -- what the threshold should be at
2 some future point in time.

3 Just as in exact parallel you could use
4 the POP, the Percentage Of Premiums approach to do
5 that. The -- the 10 percent, 20 percent of
6 underwriting income of the POP approach again, could
7 be projected forward and would give you some measure
8 of, as the Company grows, how this presumed need for
9 protection against risk would grow.

10 But it bears no relationship to the
11 actual risks facing the Corporation that have been
12 dented -- identified by the DCAT, and in fact those
13 MCT levels associated with the upper and lower
14 thresholds will be changing over time and have been
15 changing, based on changes in the risk profile letter
16 identified by the DCAT.

17 MR. ANTHONY GUERRA: Thank you, I
18 appreciate your answer and certainly won't quarrel
19 with you in any accolades to -- to MPI in terms of its
20 asset management.

21 But I do want to bring your attention
22 to the DCAT chapter of the application, and in
23 particular figure number 10. Ms. Schubert, if you can
24 pull that up and I apologize for not giving you that
25 in advance.

1

2

(BRIEF PAUSE)

3

4

MR. ANTHONY GUERRA: It should be on
5 page 14 at the bottom of the -- yeah. There we go,
6 thank you.

7

So, Dr. Simpson, my understanding is
8 that this figure shows a comparison of the upper and
9 lower DCAT targets for the 2018 and 2019 General Rate
10 Application years. Do you see that?

11

DR. WAYNE SIMPSON: Yes.

12

MR. ANTHONY GUERRA: And what I think
13 you'll agree with me on is that the total equity
14 position from those years does change quite
15 dramatically between 2018 and 2019, but when comparing
16 the lower RSR targets, both the MPI and the PUB
17 proposed targets, there is a very minute shift in the
18 MCT ratio, correct?

19

DR. WAYNE SIMPSON: In minute you mean
20 3 or 4 percent?

21

MR. ANTHONY GUERRA: Yes.

22

DR. WAYNE SIMPSON: Sure. Can I add
23 something? Are you going further with this figure or
24 is that the end of the question?

25

MR. ANTHONY GUERRA: That -- that was

1 the end of my question, Dr. Simpson.

2 DR. WAYNE SIMPSON: Could I point
3 something else out?

4 MR. ANTHONY GUERRA: Yes.

5 DR. WAYNE SIMPSON: The -- the lower
6 RSR target for both MPI and PUB is based on the DCAT
7 methodology and is identifying declining risk.

8 The upper RSR target PUB is also
9 identifying declining risk from 325 to 251, the MCT
10 falls accordingly.

11 The upper RSR target from MPI also
12 shows supposedly declining risk, but this -- the only
13 reason it's doing that is because the MCT ratio has
14 been arbitrarily adjusted from 100 percent to 85
15 percent.

16 I'm curious to know why that was done,
17 but my obvious presumption is that as the DCAT
18 identifies declining risk profile of the Corporation,
19 they felt that the 100 percent MCT ratio didn't
20 adequately reflect that. But that's -- that's a
21 pretty arbitrary assumption, and it's only informed by
22 the DCAT.

23 MR. ANTHONY GUERRA: I appreciate
24 that. Thank you.

25 Ms. -- Ms. Sherry, if I can direct your

1 attention to the presentation that was provided on the
2 DCAT, and in particular slide number 5, please.

3 So we -- we heard testimony this
4 morning from -- from you that MCT is a test for -- for
5 private insurance companies in a competitive industry,
6 correct?

7 MS. ANDREA SHERRY: Correct.

8 MR. ANTHONY GUERRA: And my
9 understanding is that your -- your position is that
10 the MCT is not appropriate for -- for MPI because MPI
11 has a different set of risk profiles or different risk
12 profile than those private insurers?

13 MS. ANDREA SHERRY: To be clear...

14 MR. ANTHONY GUERRA: Yes.

15 MS. ANDREA SHERRY: ...I believe that
16 MPI faces all of the risks of any other property and
17 casualty insurer.

18 However, the calculation of the margins
19 to determine how much capital should be held for those
20 risks are not necessarily in line with the Minimum
21 Capital Test calculation of the margins for those
22 risks because the MCT was -- was set up or created to
23 ensure that private companies do not go insolvent.

24 So the risk margin calculations are
25 based on private company data and expectations that

1 are not necessarily applicable to a Crown monopoly.

2 MR. ANTHONY GUERRA: And fair enough.
3 I'd like to draw your attention, Ms. Sherry, to MPI
4 Exhibit Number 18, which was an Information Request
5 that was made by MPI, it's MPI-CAC-1-1, and in
6 particular I'm looking at page 3 of that Information
7 Request.

8 So Ms. Sherry, you were asked to
9 identify the specific risks facing MPI that are not
10 captured in the MCT, and my understanding, your
11 response is really the last sentence of that paragraph
12 A, which is to say, the point is that the MCT is a
13 solvency test and that is not applicable to monopoly
14 Crown insurers. That's consistent with what I just
15 heard you say, correct?

16 MS. ANDREA SHERRY: Yes.

17 MR. ANTHONY GUERRA: So your concern
18 is not necessarily that the MCT fails to capture the
19 risks faced by MPI, but that it's a solvency test and
20 MPI never really can be insolvent?

21 MS. ANDREA SHERRY: There's two (2)
22 pieces to that.

23 The first is that the risks outlined in
24 the MCT are those faced by property and casualty
25 insurers in Canada. And those risks, MPI would have

1 those risks as well.

2 However, the calculation of the MCT and
3 what it is -- the way it is calculated, the way the
4 risk margins are determined and the purpose of that
5 test is not for a monopoly Crown company such as MPI.

6 If MPI wants to use the MCT they would
7 have to look at how all of the risk margins were
8 calculated, what data they were based on, everything
9 else. There are differences from a private to a
10 public company.

11 MR. ANTHONY GUERRA: I would submit to
12 you, though, that the risk margins are actually
13 calculated in exactly the same way. So you -- you
14 wouldn't agree with that, correct?

15 MS. ANDREA SHERRY: I think that the
16 risk margins would have to be reviewed very carefully
17 to be used for a Crown.

18 MR. ANTHONY GUERRA: And you agree
19 with me that the private insurers who use the MCT test
20 typically have ratios in excess of 150 percent?

21 MS. ANDREA SHERRY: Yes.

22 MR. ANTHONY GUERRA: You would also
23 agree with me, though, that the Dynamic Capital
24 Adequacy Test, or the DCAT, is -- is also in itself a
25 test to assess the risk of insolvency for a

1 Corporation like MPI, correct?

2 MS. ANDREA SHERRY: Sorry. Can you
3 repeat the question? I want to make sure I heard it
4 properly.

5 MR. ANTHONY GUERRA: You'd agree with
6 me that the DCAT or Dynamic Capital Adequacy Test is
7 in it -- itself a test to assess the risk of
8 insolvency for a Corporation like MPI?

9 MS. ANDREA SHERRY: I don't
10 necessarily think of the DCAT as an insolvency test, I
11 think of it as a way for a company to ensure that it
12 knows where its risks are most prominent and that the
13 company can take action to reduce their risk in a
14 private environment.

15 MR. ANTHONY GUERRA: The DCAT, though,
16 in this case, was commissioned to assess the future
17 financial condition of Basic, was it not?

18 MS. ANDREA SHERRY: MPI built a DCAT
19 model to look at where the RSR should be to ensure
20 that the Company had enough capital to cover those
21 risks.

22 MR. ANTHONY GUERRA: I.e., forestall
23 insolvency.

24 MS. ANDREA SHERRY: Again, I don't
25 think of MPI as going insolvent. That's not what I

1 would say.

2 MR. ANTHONY GUERRA: And that's
3 because if MPI were to become insolvent or were to
4 have insufficient capital to pay its debt as it arose,
5 your position is that the Government of Manitoba would
6 be able to swoop in and pay those debts, correct?

7 MS. ANDREA SHERRY: The reason I don't
8 think of MPI going insolvent is because you have a
9 yearly process where you come before the Public
10 Utility Board, and that yearly process allows the
11 review to occur and if there was the threat of
12 insolvency of MPI, I'm sure that the Public Utility
13 Board would allow them to take some rate in that year.

14 But ultimately, I don't think of MPI as
15 having the ability to go insolvent in the same way as
16 a private company would, because the private company
17 would have such -- more of an economic impact on the
18 Canadian economy, potentially, and again to your -- I
19 agree with what you said in the sense that you are
20 backed by the taxing authority of the Government of
21 Manitoba.

22 MR. ANTHONY GUERRA: So, I mean
23 really, at the end of the day, the insolvency position
24 of MPI is really only a concern of -- if the solvency
25 position of the Government of Manitoba became a

1 concern, correct?

2 MS. ANDREA SHERRY: I would certainly
3 hope it doesn't get to that point.

4 And again, I would say because you come
5 here every year, the Public Utility Board is not going
6 to let MPI go insolvent. But I suppose if the
7 absolute worst thing were to happen and the Government
8 of Manitoba went insolvent, then yes, MPI would be
9 insolvent.

10 MR. ANTHONY GUERRA: And I appreciate
11 that, it's unlikely that that would happen, but...

12 MS. ANDREA SHERRY: Yes.

13 DR. WAYNE SIMPSON: These are the
14 implausible catastrophe scenarios that I was referring
15 to in my presentation.

16 MR. ANTHONY GUERRA: Implausible that
17 the Government of Manitoba would come to the rescue of
18 MPI?

19 DR. WAYNE SIMPSON: Well, you referred
20 to the Government of Manitoba going insolvent. I was
21 referring to that.

22 MR. ANTHONY GUERRA: I see. Dr.
23 Simpson, do you know what the interest rates are going
24 to be on September 1st, 2019?

25 DR. WAYNE SIMPSON: No.

1 MR. ANTHONY GUERRA: And I think I
2 heard you speak earlier about the great recession of
3 2008. Is that how you characterized the global
4 economic downturn of 2008?

5 DR. WAYNE SIMPSON: That's how it's
6 often characterized. The actual dating of it varies
7 from country to country, but the only dip in GDP in
8 Canada was, I believe 2008, yes.

9 MR. ANTHONY GUERRA: So you would
10 equate that with the great recession that I think most
11 people understand from the 1930s?

12 DR. WAYNE SIMPSON: No, that was
13 called the Great Depression.

14 MR. ANTHONY GUERRA: My apologies.

15 DR. WAYNE SIMPSON: But certainly
16 significantly more severe, and as I pointed out in
17 previous proceedings, the -- the difference between
18 the two (2), in fact, demonstrates what we've learned
19 from economics and from the Great Depression in the
20 sense that I think the monetary policy responses, not
21 so much of Canada, but around the world and in
22 particular in the United States, quantitative easing,
23 low interest rates was exactly the prevention of -- of
24 large banks failing, too big to fail.

25 All were evidence that we weren't going

1 to repeat the same mistakes which made something like
2 the Great Depression less likely to ever occur.

3 MR. ANTHONY GUERRA: So, going
4 forward, are you okay then using the term "great
5 recession" to describe the events of 2008?

6 DR. WAYNE SIMPSON: Yes, that's --
7 that's been used quite widely.

8 MR. ANTHONY GUERRA: And -- and you're
9 okay with -- with that description or that title?

10 DR. WAYNE SIMPSON: Yes, with the --
11 perhaps the caveat that the -- in Canada the
12 recession, and particularly in Manitoba, the recession
13 was really neither particularly deep nor prolonged,
14 both because of the nature of our banking system and
15 the nature of the Manitoba economy.

16 MR. ANTHONY GUERRA: You would agree
17 with me though, Doctor, that the great recession from
18 2008 resulted in a period where it was difficult for
19 the major banks to accurately forecast interest rates,
20 correct?

21 DR. WAYNE SIMPSON: They overestimated
22 interest rates based on the -- their experience and
23 their forecasting models, yes.

24 MR. ANTHONY GUERRA: And an
25 overestimate of interest rates is -- is not an

1 accurate forecast, correct?

2 DR. WAYNE SIMPSON: No, it's biased --
3 it wasn't biased upward, it was -- it was inaccurate.
4 Yes, that's correct.

5 MR. ANTHONY GUERRA: The banks
6 forecast their rates through the standard interest
7 rate forecast, or SIRF?

8 DR. WAYNE SIMPSON: That's right.

9 MR. ANTHONY GUERRA: And they look at
10 the Government of Canada 10-year yield rates?

11 DR. WAYNE SIMPSON: Sorry, let me
12 backtrack. The -- the bank interest rate forecasts
13 are components of SIRF, five (5) of the six (6)
14 components of SIRF.

15 SIRF is an -- an average of the
16 forecasts of the five (5) banks and global insight.
17 So it's -- it's a SIRF that relies on the bank
18 forecasts. I think you stated it the other way
19 around.

20 MR. ANTHONY GUERRA: And I appreciate
21 the clarification. And specifically what we're
22 looking at is the Government of Canada 10-year bond
23 yield rates, correct?

24 DR. WAYNE SIMPSON: The benchmark
25 rate, that's correct.

1 MR. ANTHONY GUERRA: I want to draw
2 your attention to the investments chapter, figure
3 number 11, if I may, Ms. Schubert. Thank you.

4 What I understand here is this is a
5 table showing historical analysis of the standard
6 interest rate forecast, the 50/50 interest rate
7 forecast and naive interest rate forecast from 2005 to
8 2018 GRA years.

9 Do you see that, Dr. Simpson?

10 DR. WAYNE SIMPSON: Yes.

11 MR. ANTHONY GUERRA: And would you
12 agree with me, having reviewed the numbers here, and
13 you can take a moment if you -- if you need to, that
14 the SIRF forecasts in the 2005 to 2016 GRA years were
15 less accurate than the forecasts of the naive interest
16 rate forecast in those years?

17 DR. WAYNE SIMPSON: In every year? Is
18 that what you're asking?

19 MR. ANTHONY GUERRA: Every year, 2005
20 to 2016.

21 DR. WAYNE SIMPSON: And you're
22 comparing the SIRF to the naive?

23 MR. ANTHONY GUERRA: Correct.

24 DR. WAYNE SIMPSON: Not -- not in
25 2014.

1 MR. ANTHONY GUERRA: Right. You're
2 right about that, 2014 it does appear that ---

3 DR. WAYNE SIMPSON: So my answer is,
4 no, I disagree.

5 MR. ANTHONY GUERRA: Okay, let's stop
6 there then and go back to 2005.

7 You would agree with me that the SIRF
8 forecast in 2005 was less accurate than the naive
9 forecast in 2005?

10 DR. WAYNE SIMPSON: Yes.

11 MR. ANTHONY GUERRA: 2006 it was the
12 same, the SIRF forecast was ---

13 DR. WAYNE SIMPSON: Yes. I'll
14 stipulate all years to 2013.

15 MR. ANTHONY GUERRA: And then 2015?

16 DR. WAYNE SIMPSON: Yes.

17 MR. ANTHONY GUERRA: And then 2016?

18 DR. WAYNE SIMPSON: Yes.

19 MR. ANTHONY GUERRA: And looking at
20 the 5050 forecast, the 2005 GRA, 50/50 forecast is
21 less accurate than naive forecast?

22 DR. WAYNE SIMPSON: Yes.

23 MR. ANTHONY GUERRA: 2006? Less
24 accurate?

25 DR. WAYNE SIMPSON: I'll stipulate all

1 years up to 2000 -- probably 2014 again, yes. So 2005
2 to 2013 they were less accurate.

3 MR. ANTHONY GUERRA: And then they --
4 they aren't less accurate in 2014, as you've correctly
5 mentioned, but 2015 and 2016, the 50/50 forecast is
6 less accurate than naive, correct?

7 DR. WAYNE SIMPSON: Yes. I would also
8 say that especially from 2008 to 2016 this is the
9 period where the overnight rate, and the policy rate
10 was driven down to a very low level, .5 percent, I'm
11 not sure if it went lower than that, to stimulate
12 recovery from the -- the great recession.

13 And it's only in 2017 that that into --
14 overnight rate or policy rate begins to rise. It rose
15 twice in 2017, and three (3) times in 2018.

16 MR. ANTHONY GUERRA: You would agree
17 with me though, Dr. Simpson, that in the years that we
18 referenced where the -- the SIRF and the 50/50
19 forecasts were less accurate than the naive forecast,
20 that those forecasts were biased forecasts in those
21 years, correct?

22 DR. WAYNE SIMPSON: Well, bias -- to
23 establish bias you would need more than one (1) year,
24 you can't compare things year by year and establish
25 bias.

1 To establish bias you would have to
2 show that over an extended period of time a -- a
3 forecast produced more positives than negatives or
4 vice versa.

5 MR. ANTHONY GUERRA: So when we look
6 at the SIRF forecast, for example, in the 2005 to 2013
7 GRA years, and we're seeing that in every one of those
8 instances the SIRF is off, are you saying that that's
9 not evidence of bias?

10 DR. WAYNE SIMPSON: Well, there's one
11 negative in there. You're saying that they're all
12 positive? No, there's one (1) negative. 2010.

13 MR. ANTHONY GUERRA: I wasn't asking
14 questions about positive or negative. I was asking
15 about the bias, but you're ---

16 DR. WAYNE SIMPSON: Bias is about
17 positives and negatives, right? Bias is about --
18 about whether the forecast errors are consistently one
19 (1) way or the other, positives being biased upward
20 and negatives being biased downward.

21 MR. ANTHONY GUERRA: That's how you
22 define a biased interest rate forecast?

23 DR. WAYNE SIMPSON: That's how -- a
24 bias would be defined by a pattern, yes.

25 MR. ANTHONY GUERRA: And so your

1 evidence is that you don't see a pattern of bias in
2 the SIRF forecast between the 2005 and 2013 GRA years?

3 DR. WAYNE SIMPSON: Oh, I didn't say
4 that. I'm saying -- you said that -- that -- you were
5 going year-by-year. I said well, there's a negative
6 in 2010. But there are more positives than negatives
7 in there, yes. I can stipulate to that.

8 MR. ANTHONY GUERRA: Is that evidence
9 of a bias then, sir -- doctor -- Dr. Simpson?

10 DR. WAYNE SIMPSON: It's evidence of
11 the bias that generated out of the -- out of the great
12 recession, that's correct.

13 MR. ANTHONY GUERRA: And the same then
14 would apply with the 50/50 forecast in those years as
15 well? There is evidence of a bias in that forecast,
16 correct?

17 DR. WAYNE SIMPSON: Right. Although,
18 and interestingly, the naive forecast is also biased
19 because if, on that basis, the pattern is almost all
20 positives as well.

21 MR. ANTHONY GUERRA: So my
22 understanding is ---

23 DR. WAYNE SIMPSON: So they're all
24 biased, by that standard, although that's a pretty
25 primitive both analysis of bias and a pretty small

1 sample in a very specific period out of which we have
2 recovered.

3 DR. WAYNE SIMPSON: Okay. My
4 understanding, Dr. Simpson, correct me if I'm wrong,
5 is that your -- your evidence today, your position
6 today is that the 2017 and 2018 GRA years, now the
7 forecasts of the SIRF in those years, are -- are
8 superior to the forecast the naive in those years?

9 DR. WAYNE SIMPSON: Yes. The
10 difference -- the forecast error, if you will, is
11 lower in both 2017 and 2018 and one (1) is positive
12 and one (1) is negative. Whereas the naive forecasts
13 are both negative.

14 MR. ANTHONY GUERRA: And if I can just
15 draw your attention to the presentation you gave on
16 the DCAT, which is CAC Exhibit Number 26, slide 12.

17 So the -- the last paragraph of your
18 slide there says that:

19 "SIRF also pays attention to other
20 economic signs of recovery in
21 domestic monetary policy response by
22 the Bank of Canada."

23 Do you see that, sir?

24 DR. WAYNE SIMPSON: Right.

25 MR. ANTHONY GUERRA: And you'll agree

1 with me that your position is that the fact that the
2 SIRF pays attention to those economic signs of
3 recovery in domestic monetary policy are -- are what
4 make it more superior to the naive forecast, for
5 example, in the 2017 and 2018 GRA years?

6 DR. WAYNE SIMPSON: Yes, I mean,
7 looking ahead is one (1) of the aspects of forecasting
8 as opposed to being blind.

9 MR. ANTHONY GUERRA: You would agree
10 with me, Dr. Simpson, that the SIRF has always paid
11 attention to economic signs of recovery in domestic
12 monetary policy though, correct?

13 DR. WAYNE SIMPSON: Yes, it -- I would
14 presume so, yes.

15 MR. ANTHONY GUERRA: So it would've
16 done so in the 2005 GRA -- GRA year, for example?

17 DR. WAYNE SIMPSON: Yes.

18 MR. ANTHONY GUERRA: And it would have
19 done so in the 2006 GRA year, for example?

20 DR. WAYNE SIMPSON: Yes.

21 MR. ANTHONY GUERRA: And it would have
22 done the same thing up until the 2013 GRA year, for
23 example?

24 DR. WAYNE SIMPSON: Sure. I'm
25 assuming they take all of the information, you know,

1 the banks have a large stake in getting interest rates
2 right and I suspect they devote considerable resources
3 and hired reasonably talented people to -- to do these
4 things, and -- and, therefore, they would take into
5 account all of the information available to them,
6 including any signs from the Bank of Canada that they
7 were changing their stance or position, which probably
8 there weren't many signs during the period from 2008
9 through to 2016, although you'd have to go back
10 through the -- the Bank of Canada's reports to
11 substantiate that.

12 MR. ANTHONY GUERRA: Ms. Schubert, can
13 you put back investment figure number 11, please?

14 Yes, thank you.

15 The period before the 2008 recession,
16 which is shown on this -- in this table, is the 2005
17 GRA to the 2007 GRA, 2008 GRA.

18 Would you agree with that, Dr. Simpson?

19 DR. WAYNE SIMPSON: Right.

20 MR. ANTHONY GUERRA: And you would
21 agree with me at that point in time the SIRF forecast
22 and the 50/50 forecasts are still less accurate than
23 the naive forecast, correct?

24 DR. WAYNE SIMPSON: Yes, they are.

25 DR. BYRON WILLIAMS: I just -- I just

1 want to make sure that the premise isn't that Manitoba
2 Public Insurance was using the SIRF premise, the SIRF
3 forecast for the GRA's in 2005 through 2008, because I
4 believe the evidence of Mr. Johnston would've been
5 different then that.

6 So that's just the -- in -- I just want
7 to make sure that that premise isn't being advanced.

8 MR. ANTHONY GUERRA: I have not
9 advanced that premise, but thank you, I appreciate the
10 -- the comment, Mr. Williams.

11

12 CONTINUED BY MR. ANTHONY GUERRA:

13 MR. ANTHONY GUERRA: My understanding,
14 Dr. Simpson, is that you're not here today to advance
15 or advocate MPI's use of the SIRF in the 2019 GRA,
16 correct?

17 DR. WAYNE SIMPSON: I'm advocating
18 that the SIRF -- I guess I'm advocating two (2)
19 things. I'm advocating that the -- the SIRF is better
20 than the naive forecast, and that it should be part of
21 the interest rate forecast and that existing Board
22 order for 50/50 is certainly better than the naive for
23 that reason.

24 MR. ANTHONY GUERRA: But you're not --
25 your presentation does not say that you recommend that

1 the Board should apply the SIRF forecast in this rate
2 application year, correct?

3 DR. WAYNE SIMPSON: That is correct.

4 MR. ANTHONY GUERRA: In fact, it
5 advocates for the use of the 50/50 forecast, correct?

6 DR. WAYNE SIMPSON: I wasn't thinking
7 of other alternatives, then, sir, 50/50 or naive, no.

8 MR. ANTHONY GUERRA: But it advocates
9 for use of the 50/50 forecast, correct?

10 DR. WAYNE SIMPSON: Yes.

11 MR. ANTHONY GUERRA: And that's
12 because your opinion is still that the banks remain
13 too optimistic about the growth of interest rates,
14 correct?

15 DR. WAYNE SIMPSON: I think that's
16 part responding to the existing conditions, which is,
17 is the Board Order for 50/50.

18 And perhaps a little bit of caution, as
19 I said in my presentation, if I were allowed to pick
20 weights, that they probably wouldn't be 50/50. But I
21 would give more weight to the SIRF than the naive
22 because I think it -- I think it's a better forecast
23 for the reasons I've indicated.

24 MR. ANTHONY GUERRA: Sorry, is it your
25 evidence that the reason why 50/50 is recommended is

1 that that was contained in the Board Order from the
2 last rate application year?

3 DR. WAYNE SIMPSON: Yes, I've taken
4 that as one of the three (3) options.

5 MR. ANTHONY GUERRA: And is it your
6 evidence then today, sir, that -- that despite the --
7 the Board Order, the better approach is actually the
8 SIRF forecast?

9 DR. WAYNE SIMPSON: If I were given a
10 choice between the SIRF and the naive that would --
11 that would definitely be the case, yes. I would -- I
12 would say the SIRF is a better forecast than the naive
13 under the current circumstances.

14 MR. ANTHONY GUERRA: Is the SIRF
15 forecast, though, better than the 50/50 forecast for
16 this rate application year?

17 DR. WAYNE SIMPSON: I have not made
18 that claim.

19 MR. ANTHONY GUERRA: But you recommend
20 it, sir?

21 DR. WAYNE SIMPSON: I'm sorry, I
22 recommend?

23 MR. ANTHONY GUERRA: 50/50?

24 DR. WAYNE SIMPSON: I recommended
25 50/50, yes.

1 MR. ANTHONY GUERRA: Are you not then
2 saying with your recommendation that you believe that
3 that's the best interest rate forecast?

4 DR. WAYNE SIMPSON: Well, I -- I have
5 -- I have stated that I recommend the 50/50 in part,
6 simply because I don't think the naive forecast is a
7 reasonable forecast to use under these circumstances.

8 I think I'll just leave it at that.

9 MR. ANTHONY GUERRA: So figure 11,
10 which is on the -- on the screen right now, does
11 reference the -- the last two (2) GRA years, so, 2017
12 and 2018.

13 And -- and when I look at the -- the
14 comparison between the SIRF forecast and the 50/50
15 forecast, what I understand is that in the last two
16 (2) GRA years the 50/50 forecast has, in fact, been
17 less accurate than the SIRF forecast.

18 Is that not correct?

19 DR. WAYNE SIMPSON: You're correct.

20 MR. ANTHONY GUERRA: Is it my
21 understanding, Dr. Simpson, that your position is that
22 there was a correlation between the overnight interest
23 rate from the Government of Canada, or the Bank of
24 Canada, I should say, and increases in the Government
25 of Canada's 10-year bond yields?

1 DR. WAYNE SIMPSON: Based on my
2 reading of the bank's policy and -- and the evidence
3 that they have before them, yes.

4 MR. ANTHONY GUERRA: Okay. And I
5 would like to draw your attention to CAC Exhibit
6 number 26, which is that the DCAT presentation, and in
7 particular, slide number 14, Ms. Schubert. Thank you.

8 So what we see from your presentation
9 is that there's a table showing the correlation
10 between the overnight rates and the Government of
11 Canada 10-year bond yields for the -- the last two (2)
12 years.

13 Do you see that, Dr. Simpson?

14 DR. WAYNE SIMPSON: Yes. Since --
15 since the bank -- well, you can see where the bank
16 started increasing the policy rate where the first
17 step occurs.

18 MR. ANTHONY GUERRA: You would agree
19 with me, though, that when establishing the break-even
20 rate indication, MPI forecast interest rates for the
21 twelve (12) to eighteen (18) month period in advance -
22 - or sorry, that follows because of the new money
23 yield that is used for setting rates that are
24 calculated, in this case, September 1st, 2019.

25 DR. WAYNE SIMPSON: Right. And for

1 the DCAT they forecast out four (4) years, right?

2 MR. ANTHONY GUERRA: Right. So for
3 the break-even rate indication the -- the important
4 period to look at is the twelve (12) to eighteen (18)
5 month period, correct?

6 DR. WAYNE SIMPSON: Okay.

7 MR. ANTHONY GUERRA: You would agree
8 with that?

9 DR. WAYNE SIMPSON: Yes.

10 MR. ANTHONY GUERRA: And you would
11 also agree, though, that it's possible for the
12 overnight rate to increase and the Government of
13 Canada 10-year bond yield to decrease within that
14 twelve (12) to eighteen (18) month period, correct?

15 DR. WAYNE SIMPSON: I -- I don't see
16 where you see that.

17 MR. ANTHONY GUERRA: Well, I'm going
18 to draw your attention to CAC Exhibit Number 5, which
19 is an Information Request response to CAC-MPI-2-1.

20 DR. WAYNE SIMPSON: I'm just
21 eyeballing this -- this graph. What -- what period
22 are you referring to?

23 The first step increase occurs, and if
24 you look out twelve (12) or eighteen (18) months, the
25 -- the blue line, squiggly line, is higher than it was

1 at that point.

2 I mean, where in that -- where in those
3 two (2) lines are you -- are you -- even if you're
4 cherry picking the numbers, which I suspect is what's
5 happening, I don't see where that is happening, but
6 you're going to tell me.

7 MR. ANTHONY GUERRA: Well, yeah, I'm
8 going to tell you to look at CAC Exhibit Number 5.

9 DR. WAYNE SIMPSON: Okay.

10 MR. ANTHONY GUERRA: Which is the
11 Information Request response to CAC-MPI-2-1, and in
12 particular, figure number 2.

13 My understanding, Dr. Simpson, is those
14 are the instances where the overnight rate increase
15 resulted in a decrease in the Government of Canada 10-
16 year bond yields in a twelve-month period.

17 Do you see that?

18 DR. WAYNE SIMPSON: So what -- what
19 are we looking at? We're looking at specific
20 instances where -- because the -- the 10-year bond
21 rate moves around a great deal, and these are what;
22 they're daily rates?

23 They're picking a specific date? Yes,
24 it looks like they're specific daily rates. That's a
25 lot of volatility in the 10-year bond yield, which I

1 wouldn't think would be the basis for a forecast.

2 As I said before, when you look at the
3 data the blue line moves around a lot because it's --
4 it's very short -- high frequency data, and the -- the
5 red line doesn't move very much, because it's policy
6 data. It's the Bank of Canada settings, which are
7 only a set number of times a year.

8 And there's a clear pattern to both of
9 those, which is upward in -- recently, but because the
10 -- the squiggly line, the blue, -- the blue line moves
11 around a lot, you probably can find specific times and
12 it looks like you're suggesting October 29 -- 2009 to
13 October 2010, which is not in that graph, of course,
14 where -- where that -- that may have occurred.

15 But I don't see anything there between
16 -- well, whatever the start of that graph was,
17 2016/2017 and -- and the current date.

18 So I -- this is -- sure, this -- this
19 can happen. It won't happen if you -- if you look
20 longer term, lower frequency data, if you use monthly
21 or annual averages, that will not happen. And, of
22 course, we're looking forward in forecasting, you
23 know, reasonably -- reasonably low frequency data, I
24 would say.

25 In other words, monthly or annual. But

1 there's no -- there's no data there that refers to the
2 -- the graph you were showing before.

3 MR. ANTHONY GUERRA: So your -- your
4 position, though, is that in the case of interest rate
5 forecast it's important to look forward, correct?

6 DR. WAYNE SIMPSON: Interest rate
7 forecasts look forward, yes.

8 MR. ANTHONY GUERRA: We shouldn't
9 consider the history, and in this case the history
10 before the 2017 GRA, correct?

11 DR. WAYNE SIMPSON: Oh, forecasts are
12 based -- are based on -- on more than just one (1) or
13 two (2) years. They're based on experience.

14 Actually, the Bank of Canada's
15 forecasts -- not Bank of Canada's. The Canadian
16 Banks' forecasts and the Bank of Canada's forecasts
17 would be based not only on historical record, but
18 they'd be based on their modelling of the Canadian
19 economy. And the modelling of the Canadian economy
20 would include, among other things, the monetary policy
21 and the Bank of Canada's responses to changes in
22 economic conditions.

23 That would probably be more important
24 than -- than data going back to 1994, but the
25 structure of the economy would be estimated using a

1 large volume of past data, and then the models would
2 generate what they think is the future progress of
3 interest rates.

4 So it wouldn't be the kind of
5 simplistic forecasting that is done by looking at --
6 at simply the pattern of rates that have occurred over
7 some specified period, it's based on -- on modeling
8 the Canadian economy.

9 MR. ANTHONY GUERRA: Thank you, Dr.
10 Simpson.

11 Ms. Sherry, are you aware of any
12 instances -- sorry, before I -- before I say that, do
13 you recall how many times you've -- you've appeared
14 before the Board to provide advice as an expert?

15 MS. ANDREA SHERRY: I believe this is
16 my third (3rd) year at the hearing. I'm looking at
17 Byron because -- is it three (3) years or four (4)
18 years?

19 MR. ANTHONY GUERRA: So it's been a
20 few years now, correct?

21 MS. ANDREA SHERRY: It's been a few
22 years, yes.

23 MR. ANTHONY GUERRA: Ms. Sherry, are
24 you aware of any instances where you have not
25 challenged an assumption or made a recommendation and

1 a GRA, or Generate Rate Application, that would have
2 supported a higher rate indication?

3 MS. ANDREA SHERRY: I know that there
4 have been instances where I've found things in the GRA
5 that could potent -- that I felt should be changed
6 that might increase the indication, but not
7 materially. And it certainly wasn't what I felt was
8 the most important component of my review.

9 MR. ANTHONY GUERRA: Thank you.
10 Just one moment, please.

11

12 (BRIEF PAUSE)

13

14 MR. ANTHONY GUERRA: Thank you, Dr.
15 Simpson, Ms. Sherry, those are my questions.

16 MS. ANDREA SHERRY: Thank you.

17 THE CHAIRPERSON: Thank you.

18 We'll adjourn for lunch for an hour.

19 Thank you.

20

21 --- Upon recessing at 12:15 p.m.

22 --- Upon resuming at 1:16 p.m.

23

24 THE CHAIRPERSON: If everyone's ready,
25 Mr. Watchman...?

1 CROSS-EXAMINATION BY MR. ROBERT WATCHMAN:

2 MR. ROBERT WATCHMAN: Thank you, Mr.
3 Chair. Good afternoon, Ms. Sherry, Dr. Simpson. I
4 have a few questions for you about the two (2) reports
5 that were filed, and please either feel free to
6 respond to the question as you think appropriate.

7 And I would like to start with your
8 report on the Capital Maintenance Provision. So if we
9 could have that -- for the record, it's CAC Exhibit
10 10.

11 And just turning to the second page, we
12 see the first -- halfway down the page, the first
13 issue that's listed there:

14 "The CMP was never approved by the
15 PUB nor was consensus reached on it
16 by the stakeholders."

17 You see that there?

18 MS. ANDREA SHERRY: Yes.

19 MR. ROBERT WATCHMAN: And I'm just
20 going to focus on the -- the first part of that title,
21 the CMP or Capital Maintenance Provision was never
22 approved by the PUB.

23 And why do you say that this is an
24 issue with the introduction of a Capital Maintenance
25 Provision in the 2019 GRA?

1 MS. ANDREA SHERRY: For me the issue
2 was that I felt it was implied in the GRA that the
3 Capital Maintenance Provision was approved and
4 consensus was reached. And, I wanted to make it very
5 clear that that was not the case. That was my right
6 thought there.

7 MR. ROBERT WATCHMAN: All right. So
8 approved as a result of the technical conference that
9 was held?

10 MS. ANDREA SHERRY: No, I was thinking
11 more of the Board Order where the Board says that it
12 supports the Corporation's needs to keep its capital
13 level where it should be and that that was not, in my
14 mind, an approval.

15 MR. ROBERT WATCHMAN: So you're not
16 aware of anything that would preclude to the
17 Corporation from presenting a Capital Maintenance
18 Provision in a GRA application?

19 MS. ANDREA SHERRY: No.

20 MR. ROBERT WATCHMAN: Now, at --
21 towards the bottom of the page, just about five (5) or
22 six (6) lines down, there's a sentence that reads:
23 "On review of the transcript of this
24 technical conference and the notes
25 distributed, it is clear that no

1 consensus was reached and the
2 exchanges did not indicate that MPI
3 would introduce a CMP in the 2019
4 GRA."

5 Can you tell us then what were your
6 expectations with respect to a Capital Maintenance
7 Provision in the 2019 GRA?

8 MS. ANDREA SHERRY: My impression from
9 reading the transcript and Wayne can comment on that
10 as well, was that it was still an idea, just an idea,
11 potentially for discussion in relation to the RSR as
12 part of this year's application.

13 But I did not expect there to be a
14 Capital Maintenance Provision built into the
15 application this year. That was my impression.

16 MR. ROBERT WATCHMAN: Yes, understood.
17 Can you indicate what you anticipated would be the
18 next steps in the process?

19 MS. ANDREA SHERRY: Potentially
20 discussion at this year's hearing, and -- and perhaps
21 another technical conference because I didn't feel --
22 I didn't interpret the transcript to show that it
23 reached a point of clarity.

24 MR. ROBERT WATCHMAN: Now just
25 skipping a few lines ahead. There's a sentence that

1 reads:

2 "The technical conference did not
3 conclude that a CMP, or Capital
4 Maintenance Provision, was required
5 in addition to the RSR, Rate
6 Stabilization Reserve."

7 Can you tell us in what respect the
8 proposed Capital -- and Capital Maintenance Provision
9 is in addition to or additive to the Rate
10 Stabilization Reserve.

11 MS. ANDREA SHERRY: Sure. So the RSR
12 range which we're not actually at a place of certainty
13 with how that would be set, but the RSR if in the
14 proper range would be enough to cover its purpose,
15 what the purpose of the Rate Stabilization Reserve is.
16 And that would stand on its own and then the Capital
17 Maintenance Provision would be on top of that to
18 maintain the minimum capital test ratio for the
19 Corporation over the projected two (2) year period.

20 MR. ROBERT WATCHMAN: Okay. Now, and
21 just for the sake of the record, when we referred to
22 RSR range, more accurately, what we're talking about
23 is the Basic total equity target capital range,
24 correct?

25 MS. ANDREA SHERRY: Correct.

1 MR. ROBERT WATCHMAN: And just
2 continuing over to the top of the next page, the
3 second issue listed there is:

4 "The CMP has not been vetted by the
5 public."

6 And I take it that you are advocating
7 for public consultation before the Corporation came
8 forward with the cap -- Capital Maintenance Provision
9 -- provision -- proposal.

10 MS. ANDREA SHERRY: I am, yes.

11 MR. ROBERT WATCHMAN: And if we look
12 down on that page, the third paragraph under Issue 2,
13 and there is reference there to the Capital
14 Maintenance Provision we understand is in use by
15 Saskatchewan Government Insurance?

16 MS. ANDREA SHERRY: M'hm.

17 MR. ROBERT WATCHMAN: And in the
18 second sentence there you say:

19 "This is not valid because SGI does
20 not put through rate changes every
21 year and their methodology has only
22 been reviewed in one (1) rate
23 program 2014."

24 Can you tell us why that's an issue
25 with the introduction -- why you believe that that

1 would be an issue for the introduction of a Capital
2 Maintenance Program in respect of the Manitoba...?

3 MS. ANDREA SHERRY: So really speaks
4 to my main point is that MPI comes to the Public
5 Utilities Board every year with the full analysis of
6 their results, a full analysis of their capital
7 position and can every year ask the Public Utility
8 Board for a rate increase if they need more capital,
9 or -- really, if they need more capital. So -- or
10 their rates are inadequate at that time.

11 My point is that the SGI, the
12 Saskatchewan Government Insurance, they do not go
13 every year to any sort of Public Utility Board for a
14 rate increase or to do a full analysis of their
15 program. They don't have an application anywhere near
16 of the -- anywhere near the thoroughness of MPI's and,
17 again, they don't -- they don't produce any
18 application every year.

19 So I can't speak to Saskatchewan
20 Government Insurance's particular situation but they
21 don't get that opportunity every year to ask for a
22 rate increase. So, potentially, they need some sort
23 of Capital Maintenance Provision because there are
24 years between rate applications. It's -- it's two (2)
25 very different situations.

1 MR. ROBERT WATCHMAN: Thank you. And
2 you go on in that paragraph to state:

3 "It has -- it has not been put
4 through
5 Saskatchewan Capital -- Capital
6 Maintenance Provision] -- it has not
7 been put through any sort of public
8 review in Saskatchewan."

9 But it -- was it -- is it not reviewed
10 by the Saskatchewan Rate Review Panel.

11 MS. ANDREA SHERRY: It was in 2014,
12 from what I understand, that was the only year and --

13 MR. ROBERT WATCHMAN: And --

14 MS. ANDREA SHERRY: -- and it was the
15 first year that the idea was put forth.

16 MR. ROBERT WATCHMAN: And is that not
17 a form of public review?

18 MS. ANDREA SHERRY: Yes, the Public
19 Utility Board, this is a forum for public review hear
20 and every attempt is made to make sure that the public
21 knows about these hearings and can attend, can read
22 the transcripts on line, et cetera.

23 What I was more alluding to was
24 potentially focus groups; finding out what the public
25 actually thinks prior to going forward with something

1 like this.

2 MR. ROBERT WATCHMAN: And, Kristen, if
3 we could just scroll down to the bottom of that page
4 under the third issue.

5 "The CMP does not align with
6 accepted actuarial practice in
7 Canada."

8 And in the last sentence on that page
9 you indicate that:

10 "This response makes it clear that
11 the use of a CMP, Capital
12 Maintenance Provision, is not normal
13 actuarial practice and is not
14 supported by any type of analysis or
15 research in the industry."

16 See that?

17 MS. ANDREA SHERRY: Yes.

18 MR. ROBERT WATCHMAN: And I take it
19 you based that conclusion on the response that was
20 received from MPI to CAC(MPI)-178?

21 MS. ANDREA SHERRY: Partly, yes.

22 MR. ROBERT WATCHMAN: Partly. And
23 were there other reasons for you to make that
24 conclusion?

25 MS. ANDREA SHERRY: Well, it really

1 came out through the Information Requests received
2 that when I gave it more thought in terms of the
3 actuarial standards of practice and that's why I say
4 it does not align because the standards of practice do
5 not talk about any sort of capital load and no actuary
6 doing actuarial rate indications based on the
7 standards of practice would include a capital load,
8 when they do that rate indication.

9 So, the fact that there is no --
10 nothing in the standards to say Add a capital load to
11 your rate indication, to me, implies that adding one
12 does not follow the actuarial standards of practice
13 and I've never -- the comment here makes it very
14 clear, I would never see that done.

15 MR. ROBERT WATCHMAN: Now, does the
16 concept of a Capital Maintenance Provision arise or
17 commonly arise in the competitive automobile indus --
18 insurance industry?

19 MS. ANDREA SHERRY: No.

20 MR. ROBERT WATCHMAN: And are you
21 aware of any private sector automobile insurance
22 company in Canada using a Capital Maintenance
23 Provision.

24 MS. ANDREA SHERRY: No.

25 MR. ROBERT WATCHMAN: So then should

1 private sector practices, in this regard, necessarily
2 dictate what would be an appropriate practice for MPI
3 Basic?

4 MS. ANDREA SHERRY: We've done a lot
5 of work moving towards rate making on accepted
6 actuarial practice. It's only been one (1) or two (2)
7 years where we've actually had that.

8 I think that that move was very
9 important to help bring stability in terms of the
10 projection period that you had to do to get to an
11 indication. So, I think that to see -- adding a
12 Capital Maintenance Provision just takes away from the
13 progress that we've made in terms of moving to
14 accepted actuarial practice.

15 MR. ROBERT WATCHMAN: Okay. Let me
16 approach it from a different perspective.

17 Would normal actuarial practice in
18 Canada with respect to a Capital Maintenance Provision
19 more properly evolve from practices of public sector
20 automobile insurers in Canada. So, namely, the four
21 (4) that we know of: Insurance Corporation of British
22 Columbia, Saskatchewan Autofund --

23 MS. ANDREA SHERRY: I think that the
24 public companies, you just mentioned are -- are very
25 different from MPI and that has to be taken into

1 consideration. I don't think just because one (1) of
2 them does it MPI should do it.

3 I just talked about a difference with
4 SGI in terms of their filing processes and that they
5 don't have a rate application every year; that's a
6 huge difference because they don't have that
7 opportunity to come back.

8 ICBC is a very different product,
9 completely different product than what MPI has and I'm
10 not sure of their filing procedures to be honest with
11 you, but I think that it -- your -- just because
12 they're public companies doesn't mean that their
13 processes should be the same, and I would say that
14 MPI's processes are the most advanced if you look at
15 the public companies so.

16 MR. ROBERT WATCHMAN: Okay but --

17 DR. WAYNE SIMPSON: Could I add
18 something here?

19 MR. ROBERT WATCHMAN: Certainly.

20 DR. WAYNE SIMPSON: I think what we've
21 tried to say elsewhere is that we don't think that the
22 process is like -- well, the MCT, for example, should
23 be applied to a Crown monopoly when it's appropriate
24 for a -- a private insurer in a competitive setting.
25 And I don't see anything in that distinction that

1 suggests that, you know, a Capital Maintenance
2 Provision would more naturally come out of a -- a
3 public setting than a private one.

4 The -- in the private setting, they
5 can't make their own rates because they've got to be
6 competitive and in a private setting they can go under
7 if they are undercapitalized, but neither of those
8 things really apply in a public setting and -- and
9 those arguments, therefore, wouldn't be valid for the
10 establishment of a CMP.

11 MR. STEVE SCARFONE: Sorry to
12 interject to, Mr. Watchmen. Mr. Chairman, I just want
13 to caution the Board in having the comments of Dr.
14 Simpson tempered somewhat with -- remembering what
15 he's been qualified to give expert evidence on.

16 I don't think the Board should
17 entertain his comments as it concerns the proper
18 capitalization of an insurance company.

19 THE CHAIRPERSON: That's fine, Mr.
20 Scarfone, and, you know, quite frankly, if you want to
21 bring that to our attention as well in final argument
22 --

23 MR. STEVE SCARFONE: Yes.

24 THE CHAIRPERSON: -- I think that
25 would be appropriate.

1 MR. STEVE SCARFONE: Thank you.

2 DR. BYRON WILLIAMS: I just -- Mr.
3 Chair, if I might, I'll just say that Dr. Simpson's
4 expertise in applied econom -- econometrix speaks to
5 risk and as they apply to firms in the marketplace and
6 I think that's exactly the type of conversation that
7 he's making.

8 THE CHAIRPERSON: Well --

9 DR. BYRON WILLIAMS: But we'll both
10 speak to it at clos --

11 THE CHAIRPERSON: Well, there's two
12 (2) ways of doing it, I can make a ruling on it now
13 where we can move forward with the -- with the
14 evidence and at the time of final submission, we can --
15 - you can have the position of both parties because
16 this may not be the final -- final argument on -- on
17 the scope of testimony.

18 DR. WAYNE SIMPSON: Yeah, I'm sorry,
19 if I was overstepping my bounds. I -- I intended it
20 to be more comment about industrial organization and
21 the difference between competitive firms and a private
22 industry and -- and public monopolies which is a --
23 something economists talk about quite a bit.

24

25 CONTINUED BY MR. ROBERT WATCHMAN:

1 MR. ROBERT WATCHMAN: Thank you. Ms.
2 Sherry, now you understand that the individual who
3 provided information about the Saskatchewan Autofund
4 Capital Maint -- Maintenance Provision was Mr. Chris
5 McCullough.

6 MS. ANDREA SHERRY: M'hm.

7 MR. ROBERT WATCHMAN: And that he is
8 an actuary?

9 MS. ANDREA SHERRY: Yes, I know Chris
10 quite well.

11 MR. ROBERT WATCHMAN: Okay. And is it
12 your position then that his work is not compliant with
13 accepted actuarial practice in Canada because of --
14 because it includes a -- a Capital Maintenance
15 Provision?

16 MS. ANDREA SHERRY: I don't want to
17 say that it's not compliant because the standards of
18 practice do not say anything about a capital load. I
19 would say that it does not align. And I'm not sure
20 how Saskatchewan Government Insurance, if they do
21 their -- how they build that -- the CMP into that. I
22 would have to look at that.

23 I certainly would never say Chris is
24 not compliant.

25 MR. ROBERT WATCHMAN: Now -- but do

1 you accept that a normal practice could develop
2 amongst the public automobile insurers in Canada as
3 contrasted with the private sector automobile insurers
4 in Canada?

5 MS. ANDREA SHERRY: It would
6 definitely be possible to work on something that would
7 apply to a Crown monopoly. It's difficult because, as
8 I said, the product's difference in BC. Unless you
9 had a process that was more similar, it would be very
10 difficult to do that.

11 MR. ROBERT WATCHMAN: Thank you. If
12 we could just scroll down then, Kristen, to the top of
13 the next page, and the issue there:

14 "The use of an MCT target to set a
15 CMP level is arbitrary and not Board
16 approved."

17 That was -- your -- the issue as you
18 described it?

19 MS. ANDREA SHERRY: Yes.

20 MR. ROBERT WATCHMAN: Now, given that
21 the MCT or minimal -- Minimum Capital Test is an
22 established metric of a Canadian property-casualty
23 insurance company's relative strength, why do you say
24 its use in relation to a Capital Maintenance Provision
25 is arbitrary?

1 MS. ANDREA SHERRY: Well, there's a
2 few reasons. One is the setting of 100 percent is
3 arbitrary because what the proper level should be if
4 you were to use the MCT for a public auto insurer how
5 do you know what that should be.

6 The second reason is because the MCT
7 and -- and I've talked a lot about this today, so
8 apologies if I'm being repetitive, but the MCT was
9 created for private insurance companies to -- to
10 prevent insolvency that would hurt the Canadian
11 economy. So it's -- it's to set an MCT level that
12 would be right for a public auto insurer, I -- I don't
13 think that's relevant.

14 MR. ROBERT WATCHMAN: And if I could
15 just go -- take a step back, your comment concerning
16 alignment with actuarial practice.

17 Are you saying that work can be in
18 compliance with accepted actuarial practice, but not
19 aligned with accepted actuarial practice?

20 MS. ANDREA SHERRY: Well, I'm using
21 the word "aligned" to mean -- or saying that something
22 is not aligned to mean that it is not mentioned.

23 MR. ROBERT WATCHMAN: Thank you.

24 MS. ANDREA SHERRY: Noncompliance
25 would be if it is actually laid out and you do

1 something directly against what the directions are.

2 MR. ROBERT WATCHMAN: In the second
3 paragraph under Issue Number 4, you state:

4 "The application
5 second sentence] the application
6 does not put forth a clear
7 explanation for the use of an MCT
8 ratio that would be appropriate to
9 determine a rate increase."

10 Do you see that?

11 MR. ROBERT WATCHMAN: What additional
12 explanation do you believe would be helpful in this
13 regard?

14 MS. ANDREA SHERRY: I don't know if
15 there is a clear explanation that could be given, to
16 be quite honest with you. But how -- to just say that
17 we need the MCT to be at the same level one (1) year
18 after the other and say that that's any sort of clear
19 explanation of why that would be required, I -- I
20 don't think it is. And that's what I was referring to
21 in that sentence.

22 MR. ROBERT WATCHMAN: If I could just
23 then refer you down to the last paragraph under Issue
24 Number 4.

25 "The determination of a required

1 rate increase to ensure a constant
2 MCT is contrary to the PUB's
3 preference that the DCAT analysis be
4 used to determine rate need based on
5 the Corporation's risk profile."

6 Can you expla -- can you explain for us
7 why you make that observation?

8 MS. ANDREA SHERRY: I don't have the
9 Board Orders in front of me but there was one (1)
10 Board order that -- actually it was -- disallowed
11 using the 100 percent MCT as the upper. Look at Board
12 --

13 "The Board withdraws its support for
14 the use of the MCT in an MCT
15 threshold ratio."

16 And that was Order 162/'16. Thank you.
17 I knew I saw it some where. So that would be one (1)
18 area where I was drawing from that the Board has not
19 endorsed the MCT as -- as -- the use of the MCT at
20 least in setting the RSR range and has endorsed this
21 adverse scenario analysis that the DCAT provides.

22 MR. ROBERT WATCHMAN: Okay. And yes,
23 and perhaps I should have focused. It's the reference
24 there to "rate need."

25 Would it be more fair to say that the

1 PUB's stated preference was for the establishment of
2 the Basic target capital thresholds through the
3 adaptation of the Dynamic Capital Adequate Test?

4 MS. ANDREA SHERRY: Yep, potentially I
5 wasn't as clear as I should have been there. What I
6 was alluding to was that if the RSR range is set, and
7 the capital of MPI is below the lower -- the minimum,
8 then would need rate; that's what I was basing that
9 on.

10 MR. ROBERT WATCHMAN: Thank you. If
11 we could then move to the next Issue Number 5, and it
12 reads that:

13 "The CMP does not align with the
14 Board approved methodology for
15 calculating the amount of capital
16 the corporation requires, nor is it
17 consistent with work to date."

18 Do you see that statement?

19 MS. ANDREA SHERRY: I do.

20 MR. ROBERT WATCHMAN: And...

21 THE CHAIRPERSON: Sorry, Mr. Watchman,
22 could I interrupt for a second. I just want to look
23 at the last sentence. This is I -- I had a little
24 confusion and I'll go into it later.

25 But, the heading of your -- of your

1 previous page. Sorry, in -- in your presentation was:

2 "The CMP does not align with
3 accepted actuarial practice."

4 And your comment was it's -- what you
5 meant was, it does -- it wasn't mentioned. Can you go
6 back, Kristen, to this screen where we were.

7 MS. ANDREA SHERRY: So to be clear,
8 the actuarial standards of practice lay out very
9 clearly what an actuarial rate indication includes.
10 It doesn't specifically say, don't include these
11 things, but it is very clear on what should be
12 included.

13 THE CHAIRPERSON: Right, okay. But --
14 and this isn't the page, Kristen. I think it was
15 number 5. And here, sorry, when you say:

16 "The proposed CMP does not align
17 with this directive."

18 What are you saying? The directive
19 does not include the words that would capture a CMP?

20 MS. ANDREA SHERRY: Good point.

21 THE CHAIRPERSON: Yes, I mean, I'm
22 having trouble because use the word "align" --

23 MS. ANDREA SHERRY: Yeah.

24 THE CHAIRPERSON: -- and in my mind
25 you're using it in two (2) completely different ways

1 and I -- I just want to -- you know, and that's why I
2 interrupted. I want to understand how you're using
3 "align" here versus how you use "align" previously.

4 MS. ANDREA SHERRY: So at some point
5 during this process I was asked for the definition I
6 used "align." I can't remember where it is. That
7 would be very handy right now.

8

9 (BRIEF PAUSE)

10

11 THE CHAIRPERSON: Yes, sorry, I also
12 notice it's in the title of Number 5:

13 "The CMP does not align with the
14 Board approved methodology."

15 MS. ANDREA SHERRY: Right. So that's
16 what you're talking about, though, is it not? The --
17 that --

18 THE CHAIRPERSON: Well, --

19 DR. BYRON WILLIAMS: Mr. Chair --

20 THE CHAIRPERSON: -- but what --

21 DR. BYRON WILLIAMS: -- just for Ms.
22 Sherry's reference.

23 THE CHAIRPERSON: Yes.

24 DR. BYRON WILLIAMS: It's the response
25 to PUB/CAC-1-8.

1 THE CHAIRPERSON: Okay.

2 DR. BYRON WILLIAMS: They provide the
3 response that I think you were referring to. I -- I
4 apologize for interrupting your conversation.

5 THE CHAIRPERSON: No, I appreciate it.

6

7 (BRIEF PAUSE)

8

9 THE CHAIRPERSON: And in my mind, if -
10 - if what you're looking at is B -- Kristen, can you
11 go down. Is there more to B or is that it? Sorry,
12 can you go down to -- to page 28.

13 MR. ROBERT WATCHMAN: That -- that's
14 the end of the --

15 THE CHAIRPERSON: That's the end of B.
16 Sorry, well then go back to -- if -- if we're looking
17 at B, does not contain section...

18 So that -- that would go into your arg
19 -- your -- your question of it doesn't include it but
20 later on when you say it doesn't align with the
21 directive, is it that --

22 MS. ANDREA SHERRY: Well, the
23 definition of "align" can mean a lot of things. So
24 definition I --

25 THE CHAIRPERSON: Yes.

1 MS. ANDREA SHERRY: -- used or got off
2 the internet was:

3 "To bring into agreement close
4 cooperation."

5 So if something's not -- does not
6 contain it that would not align. If something is not
7 in agreement or close cooperation, it does not align.
8 I think it's relevant in both.

9 THE CHAIRPERSON: Okay.

10 MS. ANDREA SHERRY: I could have
11 chosen different words and said that it was not
12 supported by or was not included in.

13 THE CHAIRPERSON: Okay. Okay, thank
14 you. Sorry, to interrupt, Mr. Watchman.

15

16 CONTINUED BY MR. ROBERT WATCHMAN:

17 MR. ROBERT WATCHMAN: Kristen, if we
18 could just return to -- right there.

19 So under Issue Number 5 in the first
20 paragraph you reviewed the methodology that was
21 approved by the Board and then you make that
22 statement:

23 "The proposed CM -- CMP does not
24 align with this directive."

25 Do you see that?

1 MS. ANDREA SHERRY: M-hm.

2 MR. ROBERT WATCHMAN: Now -- but the
3 methodology that's referred to, again, is methodology
4 for establishing lower and upper Basic target capital
5 thresholds; correct?

6 MS. ANDREA SHERRY: Right.

7 MR. ROBERT WATCHMAN: So can you tell
8 us what it -- what specifically about a proposed
9 Capital Maintenance Provision in the 2019 GRA is not
10 aligned with the Board's prior approved methodology
11 for establishing Basic target -- target capital range?

12 MS. ANDREA SHERRY: My understanding
13 of the Rate Stabilization Reserve and the path we've
14 taken, to this point, is that we were working towards
15 a methodology that could be used every year to
16 determine what -- whether the Corporation's capital
17 was sufficient. That's my understanding of what the
18 Rate Stabilization Reserve and all of the work we've
19 done on the DCAT was for; that was the goal.

20 Adding a Capital Maintenance Provision
21 that would be in addition to the capital that is
22 determined -- how the capital is determined to be
23 sufficient or not and then we have this other piece on
24 top, that, to me, does not align with the direction we
25 were going, with the Rate Stabilization Reserve and

1 the DCAT and the determination of whether the
2 Corporation's capital was sufficient.

3 MR. ROBERT WATCHMAN: All right but
4 the -- the purpose of a cap -- Capital Maintenance
5 Provision, as you've indicated, is to keep the
6 available capital at a steady level relative to
7 required capital based upon an MCT ratio?

8 MS. ANDREA SHERRY: Right.

9 MR. ROBERT WATCHMAN: So that's its
10 purpose. The setting of Basic target capital range is
11 something different; correct?

12 MS. ANDREA SHERRY: Yeah.

13 MR. ROBERT WATCHMAN: So -- so they're
14 both related to the Rate Stabilization Reserve but
15 they are two (2) different things; correct?

16 MS. ANDREA SHERRY: I'm not sure that
17 the Capital Maintenance Provision relates to the Rate
18 Stabilization Reserve. I think it's separate and on
19 top.

20 MR. ROBERT WATCHMAN: Okay. Well, it
21 maintain --

22 DR. WAYNE SIMPSON: I agree.

23 MR. ROBERT WATCHMAN: Okay, well --

24 MS. ANDREA SHERRY: It is -- the RSR
25 is determined or the Rate Stabilization Reserve is one

1 (1) piece and it's where the Corporation's capital is
2 right now. And whether it's sufficient is determined
3 by a range.

4 The Capital Maintenance Provision that
5 is suggesting is using an MCT ratio and keeping it
6 consistent year-over-year and it is separate. From
7 what I understand if -- well, I know this to be true,
8 that the CMP is not even included in the DCAT. So
9 they are separate.

10 DR. WAYNE SIMPSON: I -- I think the
11 only overlap and this is what I objected to in the
12 slides I presented was that this desire to express the
13 upper and lower thresholds in terms of the MCT and, in
14 fact, to use the MCT to establish the upper threshold
15 in MPI's mind, in their methodology, and that kind of
16 conflates the two (2) issues, but if you take that out
17 and say that the DCAT establishes the RSR lower and
18 upper thresholds in dollar terms or percent of
19 premiums, or whatever you want to think of it, because
20 that would be another way of doing it, then it -- it -
21 - then there's no necessary -- there's no implied
22 like, I think then between the RSR determination and
23 the CMP.

24

25

(BRIEF PAUSE)

1 MR. ROBERT WATCHMAN: Now, turning the
2 page still under the Issue Number 5 in the middle
3 paragraph there, you review the forecasted levels of
4 Basic total equity in the GRA and then towards the end
5 of that paragraph state:

6 "This indicates that there is no
7 urgency to implement any sort of
8 capital build provision."

9 Do you see that?

10 MS. ANDREA SHERRY: M-hm.

11 MR. ROBERT WATCHMAN: And by "capital
12 build provision," I take it you're referring to the
13 Capital Maintenance Provision?

14 MS. ANDREA SHERRY: I am.

15 MR. ROBERT WATCHMAN: And are you
16 advocate -- advocating more time to develop a broader
17 consensus of stakeholders for a Capital Maintenance
18 Provision or you think it should simply be deferred
19 without any further action being taken?

20 MS. ANDREA SHERRY: I think from my
21 commentary today, I would -- I feel that there is no
22 place for the Capital Maintenance Provision
23 and that I am hopeful that the Public Utility Board
24 will agree with that and make it a nonissue going
25 forward.

1 My point here is that -- sorry,
2 actually it's my next point where -- where I was
3 commenting that it's -- it's just a piece of a very
4 big puzzle if they actually want to go forward with
5 anything, it should be part of a complete robust
6 capital management plan.

7 DR. WAYNE SIMPSON: I'd just add
8 again, that where it says "capital build provision"
9 there, in the past when -- when the surplus, as I
10 called it elsewhere, lies below the lower threshold
11 then we talk about a RSR rebuild provision; in other
12 words, not relating it specifically to capital in any
13 way -- to capital maintenance.

14 MR. ROBERT WATCHMAN: Now, in the --
15 continuing on in the next paragraph you refer to the
16 Corporation's Capital Maintenance Provision request
17 and about four (4) lines from the bottom a sentence
18 that reads:

19 "It is difficult to reconcile these
20 assertions with the reality that the
21 DCAT analysis has shown that the
22 risk profile of the Corporation
23 requires a decrease in the RSR
24 range."

25 Do you see that?

1 MS. ANDREA SHERRY: M-hm.

2 MR. ROBERT WATCHMAN: And -- but is it
3 fair to say that that decre -- decrease resulted from
4 the implementation of the asset liability management
5 study?

6 MS. ANDREA SHERRY: That would
7 definitely be a part of it, yes.

8 MR. ROBERT WATCHMAN: Okay. So these
9 -- that is not one -- one would consider a normal
10 evolutionary type of change. It was a change that was
11 specifically made by the -- by the Corporation
12 consciously?

13 MS. ANDREA SHERRY: Yes. And it
14 reduced the risk profile of the Company so that the
15 RSR range could go down.

16 MR. ROBERT WATCHMAN: Now, you
17 continue on saying that:

18 "The RSR range will go up in dollar
19 terms as the size of the Corporation
20 increases. This negates the need
21 for a CMP."

22 Do you see that?

23 MS. ANDREA SHERRY: I do.

24 MR. ROBERT WATCHMAN: And why do you
25 say that the need for a Basic Capital Maintenance

1 Provision for a given fiscal year is negated by the
2 fact that the approved total equity target range will
3 adjust to respond to changes in risk profile in future
4 fiscal years?

5 MS. ANDREA SHERRY: One (1) of the
6 arguments that I've seen for a Capital Maintenance
7 Provision is that the Corporation will grow, and
8 therefore, they need more capital to ensure their
9 stability.

10 But if the Corporation is growing and,
11 for example, the high loss ratio adverse scenario in
12 dollar terms that we'll go up because you have more
13 people, more -- the loss ratio creates more losses,
14 the adverse scenario dollar amount will go up. So,
15 the RSR range will go up with that.

16 MR. ROBERT WATCHMAN: Now, in the
17 absence of a CMP if the Basic capital -- capital level
18 declines to the point where a Rate Stabilization
19 Reserve rebuilding fee is triggered --

20 MS. ANDREA SHERRY: M-hm.

21 MR. ROBERT WATCHMAN: -- which would
22 occur then in the next GR -- GRA --

23 MS. ANDREA SHERRY: Right.

24 MR. ROBERT WATCHMAN: -- does that not
25 raise concerns with respect to intergenerational

1 equity?

2 MS. ANDREA SHERRY: When a rate -- an
3 actuarial rate indication is done, you project
4 everything to the rating year in question. So you're
5 protecting what those people will cost the system,
6 whoever is in that book, whoever's in that
7 policyholder group in that year, that's what you're
8 projecting for. So you're projecting losses,
9 premium, expenses, everything in that year.

10 It doesn't matter what happened in
11 prior years, it matters what happens in that year for
12 the actuarial rate indication. So if the capital
13 need, let's say, a horrible hail storm hits and the
14 capital need of the Company changes significantly due
15 to that one (1) event in the one (1) year, then their
16 rating for that in the next year as part -- would have
17 to be treated as a catastrophe load, et cetera, et
18 cetera. But then they would be adding -- asking for
19 an RSR rebuild at that point.

20 So that's pretty tightly connected,
21 isn't it? Like from one (1) year to the next. What
22 we're talking about is building up capital now for
23 some -- for something that they might need in five (5)
24 years, ten (10) years, or maybe never.

25 If -- if we treat every single year we

1 look at the RSR and we say, are you in a good place?
2 We have our actuarial rate indication for the year in
3 question, is your capital in a good place? Is it in
4 with the RS -- is it the RSR range and we do that
5 every year, that's pretty tightly connected to the
6 group of policies as we move through time.

7 MR. ROBERT WATCHMAN: Now, my
8 understanding in terms of the rationale that the
9 Corporation has with respect to the request for a
10 Capital Maintenance Provision is that, all things
11 being equal, the capital levels will decrease over
12 time, sort of naturally or by evolution.

13 Do you accept that rationale?

14 MS. ANDREA SHERRY: Capital is hard to
15 predict. You don't know for sure what the investments
16 are going to be, what your book of business is going
17 to be, what your losses are going to be. You can't --
18 I mean, I can't predict that.

19 MR. ROBERT WATCHMAN: Okay. But is --
20 isn't that the very thing that a Capital Maintenance
21 Provision is intending to address?

22 MS. ANDREA SHERRY: That would be my
23 whole point is that they don't need that. If they
24 have the RSR, and we watch from year to year if the
25 capital does, in fact, really decrease and gets to

1 that minimum then they would need some capital at that
2 time.

3 MR. ROBERT WATCHMAN: Now, if we just
4 scroll down to the next heading, Introduction and
5 Basis for CMP in the 2019 GRA is incomplete.

6 You see that?

7 MS. ANDREA SHERRY: I do, yeah.

8 MR. ROBERT WATCHMAN: And you observe
9 at the bottom of the page, the last sentence:

10 "Neither a capital release provision
11 nor a capital management plan have
12 been reviewed and analysed."

13 Correct?

14 MS. ANDREA SHERRY: Correct.

15 MR. ROBERT WATCHMAN: Now, is it your
16 opinion that it's inappropriate to consider the
17 introduction of the Capital Maintenance Provision
18 outside of that overall Capital Management Plan?

19 MS. ANDREA SHERRY: I -- I don't want
20 to implement a Capital Maintenance Provision at all,
21 and therefore, I wouldn't think a capital release for
22 -- I think that a Capital Management Plan would be a
23 good thing to have.

24 It would lay out what would happen if
25 the RSR drops below the minimum, what would the

1 response be, do we look at -- what kind of forecasts
2 we would rely on to make those decisions or the public
3 -- I think it would be good to have a plan.

4 I just -- I don't think that the
5 Capital Maintenance Provision should be part of that
6 time. And the fact -- my point here is the fact that
7 it was thrown out with the -- without a full picture
8 of what that means.

9 MR. ROBERT WATCHMAN: So I take it
10 that it's your position that an overall plan that
11 would have provisions for triggering rebuilding fees
12 or rebates is sufficient to maintain Basic's capital
13 position at the appropriate levels over time?

14 MS. ANDREA SHERRY: I do.

15 MR. ROBERT WATCHMAN: Scrolling down
16 to the next section, Issue Number 7, the introduction
17 of a CMP in the 2019 GRA would introduce
18 intergenerational inequity.

19 And in the first paragraph, the second
20 sentence reads:

21 "The capital collected is built up
22 until a rebate is required."

23 Do you see that? And I think in
24 questioning by My -- My Friend Mr. Guerra, you
25 indicated that such a provision or such a buildup

1 could trigger a rebate and our question, or my
2 question more specifically, is whether you believe
3 that the regular inclusion of a Capital Maintenance
4 Provision in the approved rate will necessarily lead
5 to an accumulation of Basic total equity and
6 eventually Rate Stabilization Reserve rebate.

7 MS. ANDREA SHERRY: It won't
8 necessarily. It's a possibility.

9

10 (BRIEF PAUSE)

11

12 MR. ROBERT WATCHMAN: Okay. So just -
13 - if I could just review before leaving this area.

14 Do you accept that Basic actuarial
15 liabilities still tend to naturally grow over time?

16 MS. ANDREA SHERRY: Yes.

17 MR. ROBERT WATCHMAN: And they are
18 accompanied by a comparable growth in investment
19 assets?

20 MS. ANDREA SHERRY: M-hm. Yes.

21 MR. ROBERT WATCHMAN: Based on that,
22 do you agree that Basic's capital position, as
23 measured by the Minimum Capital Test, will therefore
24 tend to naturally decline over time in the absence of
25 a Capital Maintenance Provision, all other things

1 being equal?

2 MS. ANDREA SHERRY: If we're just
3 looking at the MCT?

4 MR. ROBERT WATCHMAN: Yes.

5 MS. ANDREA SHERRY: I'm trying to
6 think of all the risks and what could happen to them.
7 But, I think that would be true.

8 DR. WAYNE SIMPSON: Can I just add on
9 this point, because I interjected before on this.

10 I just wonder how much of that scenario
11 is predicated on the use of the naive interest rate
12 forecast? Which, as I said, seems to be quite a
13 pessimistic forecast in the context, like -- like the
14 interest rate declined scenario. Seems to be a
15 similarly -- an adverse event.

16 In other words, on the context of this
17 adverse event, the MCT might decline. Would the MCT
18 decline under the 50/50 and SIRF forecasts? I don't
19 know but I -- I would like to -- I would like to know.

20

21 (BRIEF PAUSE)

22

23 MR. ROBERT WATCHMAN: Now, just in
24 that paragraph just before conclusion, the final part
25 of that sentence reads that:

1 "Holding capital on top of what is
2 held within the RSR range is
3 improper use of ratepayer's money."

4 Correct?

5 MS. ANDREA SHERRY: Yes.

6 MR. ROBERT WATCHMAN: And it seems
7 that that would perhaps advocate more for a rebate
8 mechanism than being a position contrary -- to
9 contradict the request for the Capital Maintenance
10 Provision.

11 MS. ANDREA SHERRY: I'm not sure I
12 understand your question, sorry.

13 MR. ROBERT WATCHMAN: So that
14 statement, isn't it more directed to the requirement
15 or the need for a rebate mechanism, as opposed to the
16 Capital Maintenance Provision?

17 MS. ANDREA SHERRY: No. What I meant
18 by that statement was that you have, basically, what I
19 was referring to earlier in the sense that you
20 determine the RSR range, you know what capital -- what
21 the total equity is of the Corporation, if it's within
22 that range, then the Corporation is adequately
23 capitalized.

24 My comment there is that if you take
25 more from the tax -- from the ratepayers now, that MPI

1 does not actually need now, I feel that that is
2 improper use of the ratepayers' money and potentially
3 not good for the Manitoba economy.

4 MR. ROBERT WATCHMAN: Okay, I'm going
5 to now change to the report on the role of DCAT and
6 interest rate forecasting, for the record that's CAC
7 Exhibit Number 9.

8 And again, just the first -- sorry, the
9 second issue stated there is: How should the RSR be
10 set and a chronology of proposals.

11 Do you see that?

12 DR. WAYNE SIMPSON: Yes.

13 MR. ROBERT WATCHMAN: And just in
14 terms of where we are now, is it true that in the
15 General Rate Application, the -- the Corporation first
16 determines the Basic total equity target capital range
17 expressed in dollar terms?

18 DR. WAYNE SIMPSON: Yes.

19 MR. ROBERT WATCHMAN: And then
20 converts their proposed lower and upper threshold from
21 the dollar equivalent into a Minimum Capital Test
22 ratio?

23 DR. WAYNE SIMPSON: Yes.

24 MR. ROBERT WATCHMAN: And just
25 looking, if we could skip a few pages ahead to page 4,

1 starting in the third block there you -- you referred
2 to the MCT methodology, and is that what you mean by
3 the MCT methodology that the Corporation uses?

4 DR. WAYNE SIMPSON: Yes, at the level
5 of the DCAT, that's right.

6 MR. ROBERT WATCHMAN: Right, sorry,
7 and I should've pointed out, I'm talking about the
8 last sentence in that block.

9 "Indeed, there is little to
10 recommend the MCT methodology over
11 the long-standing percentage of
12 premiums approach, since both
13 approaches are indexed to the size
14 of MPI's operations, but both lack
15 any apparent link."

16 DR. WAYNE SIMPSON: Sorry, let me
17 revise my answer then.

18 No, it's in -- the previous sentence
19 talks about the MCT levels of 34 percent and 85
20 percent, which might be projected forward as the lower
21 and upper RSR targets and that I -- that's what I'm
22 referring to as using the MCT to set the lower and
23 upper thresholds, that methodology.

24 And I'm -- I'm saying that that is in
25 the respects that I'm talking about here, very much

1 similar to the percentage of premiums approach. I
2 mean, you could -- you could express the targets in
3 terms of percentage of premiums too and project that
4 forward. And instead of using the 10 and 20 percent
5 figures from Kopstein, you could use whatever that
6 comes out of the DCAT.

7 That would be, in terms of objectivity,
8 transparency and simplicity, pretty much the same
9 thing.

10 MR. ROBERT WATCHMAN: Okay. So, but
11 just in terms of how the target capital threshold
12 might be set, you would agree that simply selecting an
13 arbitrary MCT ratio level is less desirable than the
14 approach that the Corporation has used in terms of
15 first determining a dollar and then translating it
16 into a percentage.

17 DR. WAYNE SIMPSON: Using -- using the
18 DCAT and especially -- in particular for the lower
19 threshold with 1:40 tolerance level, yes.

20 MR. ROBERT WATCHMAN: So you would
21 agree that that's preferable?

22 DR. WAYNE SIMPSON: Yes.

23 MR. ROBERT WATCHMAN: Thank you. Now,
24 at the bottom of the page you -- the last sentence,
25 you state:

1 "The absence of such events, the
2 current POP, Percentage Of Premiums,
3 and DCAT methodologies should
4 continue to inform the setting of
5 the RSR range."

6 And as you've indicated, one (1) of the
7 shortcomings of the POP is it's not linked to risk,
8 whereas DCAT is.

9 So can you just perhaps explain for the
10 Board what role you recommend for the POP methodology
11 in setting the target capital levels.

12 DR. WAYNE SIMPSON: What -- well, this
13 is much like the -- the recommendation of the 50/50
14 interest rate forecast in the sense that -- that I
15 take what is currently -- I incur -- interpret is
16 current board operation, which is the consideration of
17 the POP because it has never said it isn't using the
18 POP and it's been discussed over and over again in --
19 in previous GRA's just as I opted for the 50/50,
20 because it is part of an existing Board Order.

21 I think in that context until there is
22 a, you know, a clear indication that the DCAT is the
23 sole methodology to inform the setting of the RSR
24 range, I would say that -- that the POP continues to
25 be used.

1 That said, given all the effort that
2 has been put into the DCAT and its apparent strength
3 in identifying the actual risks of the Corporation and
4 -- and how they should be incorporated into setting
5 the RSR, I would favour using the DCAT to set the RSR,
6 both the lower and the upper thresholds in the fashion
7 that we seem to be moving towards.

8 MR. ROBERT WATCHMAN: Now, Ms. Sherry,
9 would you say that the determination of target capital
10 or capital targets or ranges is a requirement of the
11 Dynamic Capital Adequacy Test generally?

12 MS. ANDREA SHERRY: No, it's not.

13 MR. ROBERT WATCHMAN: And would it be
14 fair to say that the main objective of a Dynamic
15 Capital Adequacy Test investigation is to test
16 satisfactory financial condition of the insurer?

17 MS. ANDREA SHERRY: Yes, it is. It's
18 definitely to find out where the company is at risk
19 and then to respond to that risk.

20 MR. ROBERT WATCHMAN: Now, -- and it's
21 fair to say that the target capital analysis that is
22 done to estimate the Basic tar -- target capital range
23 either as done in the GRA or by MPI using the
24 iterative method as previously approved by the pope --
25 by the PUB is a -- is an adaptation of Dynamic Capital

1 Adequacy Testing?

2 MS. ANDREA SHERRY: Yes.

3 MR. ROBERT WATCHMAN: Now, in your
4 work is a -- an actuary, you have occasion, though, to
5 prepare an analysis or analyses supporting a benchmark
6 Minimum Capital Test solvency ratio for private sector
7 and automobile insurance, or private-sector insurance
8 companies?

9 MS. ANDREA SHERRY: Yes.

10 MR. ROBERT WATCHMAN: And that's for
11 approval by the Office of the Superintendent of
12 Financial Institutions?

13 MS. ANDREA SHERRY: Yes.

14 MR. ROBERT WATCHMAN: And in broad
15 terms, can you describe how the approach you will
16 follow in that work compares with the Board's
17 previously approved iterative methodology for
18 estimating the Basic target capital threshold levels?

19 MS. ANDREA SHERRY: The Minimum
20 Capital Test in a private company is a regulatory
21 requirement. It doesn't actually feed the risk
22 management of a company though.

23 The regulator is -- is moving to using
24 a DCAT-like process where the company would create a
25 DCAT.

1 T can get all into where OPSA and OEST
2 is going but the DCAT itself is what actually would
3 drive the risk management of a company more than the
4 MCT The MCT is a regulatory number we have to report
5 to OSEF

6 And yes we care A private company
7 cares very much if their MCT drops because it could
8 have implications if it's a stockholder company on
9 price of a stock for example or implications of

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11 or AAA or A and what your outlook
12 is

13 But the MCT in itself is just the one
14 (1) number right? And if it's a good number then
15 the company is happy If it's not a good number then
16 you have to go back to your risk management and find
17 out what the issues are

18 But in a company where the MCT is
19 running well that's where the DCAT comes in and you
20 use that to actually analyze where are our biggest
21 risks what are they?

22 And we want to reduce that risk So if
23 it's BC earthquake or Alberta PPA or whatever it is
24 we have to manage that so that our DCAT process --
25 that's what we use it for

MR ROBERT WATCHMAN Thank you

1 DR. BYRON WILLIAMS: Just for the
2 record, and I do apologize. The acronym PPA?

3 MS. ANDREA SHERRY: I'm sorry, private
4 passenger auto.

5

6 CONTINUED BY MR. ROBERT WATCHMAN:

7 MR. ROBERT WATCHMAN: But would it be
8 fair to say that your work in this regard does adapt
9 the Dynamic Capital Adequacy Testing to ensure a
10 proper target capital analysis?

11 MS. ANDREA SHERRY: Sorry?

12 MR. ROBERT WATCHMAN: Does the -- in
13 your work, do you also adapt -- are you not also
14 adapting the Dynamic Capital Adequacy Test for the
15 purposes of target capital determination?

16 MS. ANDREA SHERRY: Do we use the
17 DCAT?

18 MR. ROBERT WATCHMAN: Yes.

19 MS. ANDREA SHERRY: Yes.

20 MR. ROBERT WATCHMAN: I'm going to now
21 switch to the topic of interest rate forecasting, and
22 that's Issue Number 3 in this report.

23 And I'm just going to go down to the --
24 scroll down to the fourth -- the fourth paragraph
25 there, beginning almost -- approximately in the

1 middle, and this is in the context of discussion about
2 the standard interest rate forecasts.

3 And the statements are made that since
4 the 2008 recession, do you see that?

5 DR. WAYNE SIMPSON: Yes.

6 MR. ROBERT WATCHMAN: The SIRF, or
7 Standard Interest Rate Forecast, has predicted that
8 interest rates will rise going forward as the economy
9 recovers.

10 In hindsight, the SIRF has been too
11 optimistic about economic recovery and has
12 overestimated interest rates as now familiar in figure
13 INV-10, or figure INV-10 illustrates.

14 "The foundation for rising interests
15 remains solid."

16 And I'm just going to pause there. Did
17 you intend to say "the foundation for rising interest
18 rates remains solid"? Is that...

19 DR. WAYNE SIMPSON: Yes, thank you for
20 correcting my typo. Sorry, I must've missed that in
21 ten (10) readings. Sorry about that.

22 MR. ROBERT WATCHMAN: It happens.

23 DR. WAYNE SIMPSON: Interest rates.

24 MR. ROBERT WATCHMAN: So:

25 "The foundation for rising interest

1 rates remains solid as there are
2 limitations on the extent to which
3 interest rates can fall without
4 severe monetary disruption and
5 economic recovery has historically
6 been associated with rising interest
7 rates to prevent an excessively
8 rapid economic expansion and undo
9 inflationary pressure.
10 Those foundations remain and the
11 SIRF continues to predict rising
12 interest rates, albeit at a slower
13 pace than earlier forecasts."

14 Can you, Dr. Simpson, elaborate on what
15 the fundamentals of economic theory suggests is a best
16 estimate interest rate forecast at the present time?

17 DR. WAYNE SIMPSON: Well, as I've
18 said, these are not normal times. We think that --
19 economists think and Bank of Canada thinks, I think
20 interest rate forecasters think that we're approaching
21 something closer, more closely resembling normal
22 times.

23 But we're coming out of a -- both a
24 reasonably sharp recession, not a long-lasting
25 reception, (sic) but reasonably sharp, which had a

1 fairly slow recovery by historical standards, and a
2 period of low interest rates that probably is -- has
3 not been observed, at least since the 1950s.

4 So, I think there has to be some
5 caution in interest rate forecasting and to some
6 extent I think the SIRF reflects this. I think the
7 SIRF forecasts have become a little bit more cautious,
8 I think that's evident in -- in the -- in the figure,
9 in 10. But -- and I guess that's essentially what
10 this statement says.

11 MR. ROBERT WATCHMAN: Now, if we could
12 just scroll to the top of the next page, and that --
13 that following paragraph spoke about the Corporation's
14 analysis of the standard error of competing interest
15 rate forecasts.

16 And your comment at the end was that
17 over the la -- latest two (2) GRAs you state that:

18 "The SIRF has actually been quite
19 close to the actual rate both years,
20 while the naive forecast has
21 consistently under estimated it."

22 Do you believe then that this latest
23 pattern is a meaningful departure from that of the
24 earlier periods?

25 DR. WAYNE SIMPSON: Yes, I think

1 there's no question in the sense that the long period
2 of a low policy rate and low interest rates has ended
3 and the last two (2) years the period where the -- the
4 overnight rate or policy rate has begun to rise.

5 The economy has moved -- moved towards
6 capacity and listening to the latest comments by the
7 Bank of Canada Governor, Stephen Poloz, is pretty much
8 considered to be at capacity now and inflationary
9 pressures are beginning to drive concerns that
10 interest rates need to be higher.

11 MR. ROBERT WATCHMAN: Now, the
12 Corporation, in its rebuttal to your report, and for
13 the record, we don't have to go there, but for the
14 record, it's MPI Exhibit 19, the Corporation raises
15 the concern of recency bias when giving consideration
16 to this latest pattern.

17 What can you tell us about "recency
18 bias" and can you share with the Board any limitations
19 you believe might place on what considerations should
20 be given to the most recent data?

21 DR. WAYNE SIMPSON: Well, I think
22 there's always some degree of recency bias in the
23 sense that we tend to rely on the recent past, as
24 opposed to the distant past.

25 We don't go back very much to the great

1 depression anymore because it happened a long time
2 ago. So there is some recency bias.

3 I think we've gotten embedded in some
4 notion that, you know, forecasting interest rates is
5 simply a simple timeseries extrapolation process,
6 whereas what it actually is, is a sophisticated
7 process of modelling economies to see what's
8 happening.

9 And while that modelling is based upon
10 the historical data, not only of interest rates, but
11 of all the other things that they can measure in the
12 economy, I think the outcomes they try to project are
13 those which reflect the -- the more recent economic
14 conditions.

15 And in this case, very much the -- the
16 movement of the economy towards a full capacity and,
17 for want of a better term, the natural unemployment
18 rate -- or the non-accelerating inflation rate of
19 unemployment, I think is the term that's often used
20 nowadays.

21 MR. ROBERT WATCHMAN: Now, if we could
22 turn to the next page, the second paragraph there, and
23 this is a -- a discussion about forecast bias, and
24 about halfway down that paragraph it reads, "but
25 recent naive forecast." Do you see that?

1 DR. WAYNE SIMPSON: Yes.

2 MR. ROBERT WATCHMAN:

3 "But recent naive forecasts which
4 have under-predicted interest rates
5 by 0.45 percent and 0.60 percent and
6 recent economic events, all of which
7 point towards higher interest rates
8 as the economy approaches full
9 capacity imply a much higher
10 probability that the naive forgot --
11 forecast will under-predict then
12 over-predict interest rates."

13 DR. WAYNE SIMPSON: Yes.

14 MR. ROBERT WATCHMAN: And can you tell
15 us what the foundation is for the statement that it is
16 a much higher probability, that the naive forecast
17 will be bias relative to the ---

18 DR. WAYNE SIMPSON: Well, simply --
19 simply it's more likely to be -- to have -- to produce
20 a low interest rate forecast than one that is equal to
21 what is actually going to be observed. It's going to
22 under-predict it. Higher probability, in other words,
23 if you had to put odds on under-predict versus over-
24 predict they would not be 50/50. They would be
25 something much higher for under-prediction.

1 MR. ROBERT WATCHMAN: And just so
2 we're clear, that -- that your view in that regard is
3 based on economic theory or statistical analysis?

4 DR. WAYNE SIMPSON: It's based on an
5 understanding of how monetary policy operates, how
6 that transmits to other interest rates like the
7 Government of Canada benchmark rate and how the
8 economy is performing and how that informs the Bank of
9 Canada and causes them to react.

10 MR. ROBERT WATCHMAN: And sorry,
11 Kristen, if we just scroll up there to the bottom of
12 the first paragraph on that page.

13 And the last sentence in that paragraph
14 reads:

15 "The naive interest rate forecast
16 used by MPI explicitly ignores this
17 important information from our
18 central banking authority and other
19 sources."

20 And with respect to the information,
21 the central banking authority information, you're
22 talking about the monetary policy reports, correct?

23 DR. WAYNE SIMPSON: From the Bank of
24 Canada, that's right.

25 MR. ROBERT WATCHMAN: And ---

1 DR. WAYNE SIMPSON: And the -- and the
2 increases in the policy rate. The actual decisions to
3 increase the policy rate, which they justify.

4 MR. ROBERT WATCHMAN: And My Friend
5 had asked you some questions about the correlation
6 between the overnight lending rate and long-term bond
7 yields.

8 And could you tell us then how closely
9 you feel they are related and how does this inform the
10 Board for purposes of interest rate forecasting for
11 this GRA?

12 DR. WAYNE SIMPSON: Well, it would
13 depend on the frequency which -- which measure the two
14 (2) rates, because the -- the 10-year bond rate is
15 going to move a lot. It's a market rate, and as a
16 result it's quite volatile.

17 And if you look at the correlation
18 between a volatile rate and a fair -- a very stable
19 rate, which is the policy rate, then you're going to
20 find fairly low correlation.

21 That correlation is going to go up as
22 you measure the long-term bond rate less frequently.
23 For example, as you go to monthly rates, quarterly
24 rates, annual rates. Then you'll get a much higher
25 correlation between the two (2) series, because the

1 policy rate can only change when the Bank of Canada
2 meets to consider that, and that only happens once --
3 what is it, every second month, or I think maybe eight
4 (8) times a year.

5 So it's infrequent and it's not going
6 to -- it's only changed five (5) times in two (2)
7 years, the bank -- the 10-year bond rate changes
8 daily.

9 MR. ROBERT WATCHMAN: Now, Kristen if
10 we go to the last page, under recommendations, and
11 recommendation 2, you recommend the use of the 50/50
12 interest rate forecast. And that the -- the last
13 sentence there reads:

14 "The naive interest rate forecast
15 ignores recent monetary policy and
16 economic events that indicates
17 rising interest rates that are more
18 consistent with the standard
19 interest rate forecast."

20 Can you tell us why that observation
21 doesn't lead you then to advocate the use of the
22 standard interest rate forecast as opposed to the
23 50/50.

24 DR. WAYNE SIMPSON: When I wrote this
25 it was slightly less apparent to me that events were

1 moving towards a higher -- immediate higher interest
2 rates.

3 Since then, we've had an actual rate
4 increase. We've had some very good economic news in
5 terms of growth and unemployment. We've also had some
6 news that inflation is beginning to push the 3 percent
7 boundary, at least the consumer price index.

8 And so that information wasn't
9 available to me at the time, I suspect -- I can say
10 that if I wrote this today I would -- I would argue
11 for the standard interest rate forecast rather than
12 the 50/50.

13 MR. ROBERT WATCHMAN: Okay, so in --
14 perhaps just ignoring for the moment or setting aside
15 the Board's prior position on interest rate
16 forecasting, what would your best estimate be for the
17 interest rate forecast?

18 DR. WAYNE SIMPSON: The SIRF. I don't
19 think I can do better than the banks. They spent a
20 lot of money on this and they employ experienced and
21 credible people.

22 MR. ROBERT WATCHMAN: Thank you, Dr.
23 Simpson. Thank you, Ms. Sherry.

24 Mr. Chair, those are all my questions.

25 THE CHAIRPERSON: Okay, I would ask

1 the Board if they have any questions.

2 Ms. Sherry, maybe I can start with you.
3 I take it from your testimony that we really can't
4 compare MPI to anybody else?

5 MS. ANDREA SHERRY: Thank you. No, I
6 don't think you can.

7 THE CHAIRPERSON: We can't compare
8 them -- well, they can't use MCT because they're not a
9 private sector company.

10 MS. ANDREA SHERRY: Agreed.

11 THE CHAIRPERSON: We can't compare
12 them to BC because it's a different operation?

13 MS. ANDREA SHERRY: Product's
14 different.

15 THE CHAIRPERSON: Product's different.
16 We can't compare them to SGI because the process is
17 different. SGI doesn't have annual -- annual
18 hearings.

19 MS. ANDREA SHERRY: There is certain
20 things that you can compare and look at, but one (1)
21 of the differences between SGI and MPI is that they
22 don't have rate hearings every year.

23 So their capital rate requirements, the
24 process is completely different, but if you want to
25 look at potentially loss development factors for

1 certain coverages, I think that would be relevant for
2 SGI and MPI.

3 THE CHAIRPERSON: But in terms of MTC
4 or -- I'm doing it myself, I apologize.

5 Or -- or the Capital Maintenance
6 Provision circumstances are different, so we shouldn't
7 be doing the comparisons.

8 MS. ANDREA SHERRY: I don't think --
9 yeah, I don't think -- my answer is yes.

10 THE CHAIRPERSON: For the -- for the
11 Capital Maintenance Provision, you said that you
12 thought from coming after the technical conference
13 there would be a discussion raised that -- a
14 discussion raised at this hearing, rather than having
15 it part of the application, is that correct?

16 MS. ANDREA SHERRY: Unfortunately I
17 wasn't able to attend the conference, so just reading
18 the transcript, I came away from that feeling nothing
19 had been decided or that further discussions would
20 occur. When I read it, it was not to me -- there was
21 nothing conclusive.

22 So I was surprised to see the Capital
23 Maintenance Provision in the filing.

24 THE CHAIRPERSON: How would there be a
25 discussion at this hearing other than if it was in the

1 application?

2 MS. ANDREA SHERRY: Honestly, I don't
3 know. I was potentially thinking there would be
4 another technical conference to further the discussion
5 but...

6 THE CHAIRPERSON: In terms of the
7 Capital Maintenance Provision, as I understand it, one
8 (1) of the strong reasons you think it -- it would be
9 inappropriate is because they appear before this Board
10 every year.

11 The fact is, if there's a problem from
12 year to year, they can always approach the Board as
13 part of their General Rate Application and ask for a
14 higher rate, is that correct?

15 MS. ANDREA SHERRY: They already have
16 the RSR, so if the RSR is within the range set by the
17 Public Utility Board, then yes, year to year you check
18 where it is, you know what the capital position of the
19 Company is and if they need a capital build.

20 THE CHAIRPERSON: In terms of -- of
21 the RSR and a -- the use or need of a rebuilding fee,
22 do you see a rebuilding fee as a last resort?

23 MS. ANDREA SHERRY: I see it as
24 something that may be necessary if the capital is not
25 within the range.

1 THE CHAIRPERSON: And how often would
2 you see it being used? Is it something from year to
3 year if they need it and they run out, you have a
4 rebuilding fee and potentially a few years later you
5 have a rebuilding fee, it would be better to have that
6 then perhaps have a higher rate and money taken from
7 consumers that -- that wasn't required?

8 MS. ANDREA SHERRY: My feeling is that
9 if you look at it every single year, the requirement
10 would be quite small, if you needed a capital rebuild.

11 And I don't think you would need it
12 every year. I think it -- like I spoke to you a bit
13 earlier, is that capital position is dependent on so
14 many things. MPI could have a great year and their
15 capital all of a sudden is better and that holds them
16 for a few years.

17 It's -- there's so many things that
18 could occur. It can drop suddenly because of a severe
19 event or series of events, really bad winter,
20 whatever. But the point is that every year you look
21 at it and you analyze it and -- and you decide where
22 your capital is and if it's sufficient. And if it's
23 not, then you take a point or two (2).

24 THE CHAIRPERSON: Should we be --
25 should the Board be focusing on having the lowest fee

1 possible to keep money in the economy and with
2 consumers recognizing the risk that we may need a
3 rebuilding fee every -- once every four (4) or five
4 (5) years?

5 MS. ANDREA SHERRY: To me, that would
6 make more sense to keep the rebuilding fee closer to
7 the year, yes.

8 THE CHAIRPERSON: Okay. Can we go,
9 Kristen, can we go to Figure 1 of -- yes, it's CAC-26.
10 It's the overnight and 10-year bond rate. Figure 1.
11 Unfortunately, there is no page number. Sorry, is it
12 page 14? Yes, that's the one. Thank you.

13 Dr. Simpson, I'm looking at the -- at
14 the overnight rate, sorry, for 2016. Would I be
15 correct -- the red line.

16 Would I be correct -- this isn't the
17 right chart but if I -- would I be correct that if I
18 went back about eight (8) years that line sitting,
19 it's about that flat.

20 DR. WAYNE SIMPSON: Yes, subject to
21 check, I would think that's pretty accurately
22 describes. In other words, they didn't go below .5 --

23 THE CHAIRPERSON: Five, right.

24 DR. WAYNE SIMPSON: I think that is
25 pretty -- as low as they felt they could go based --

1 because of monetary con -- considerations.

2 THE CHAIRPERSON: If we were looking
3 at interest rates at that time, was the naive forecast
4 the right rate?

5 DR. WAYNE SIMPSON: In hindsight, it
6 was a -- it was a better forecast than the -- than the
7 SIRF, just because of the -- of those circumstances
8 described by that flat line, sure.

9 THE CHAIRPERSON: One (1) of the
10 problems I'll admit I have is that in my first hearing
11 here, which was in 2016, there was a lot of testimony
12 that SIRF was the right rate because interest rates
13 have to go up because they've been flat for so long.

14 And I believe my comment at the time
15 was, that's fine, but I've gone through the transcript
16 for the last five (5) years and I've heard the same
17 statements made. They have to go up at some point and
18 my question for you, like, I think my question to you
19 at that time was, why?

20 I mean, they could be flat for another
21 two (2) years. Why was -- SIRF -- why was everybody
22 pushing SIRF at that time? Was this just hope?

23 DR. WAYNE SIMPSON: Well, it's more
24 than hope, because as I said before, that -- there's -
25 - there's money on the line with the banks and other

1 financial institutions in getting good forecasts to
2 base their decisions on, and interest rate forecasts
3 are one (1) of those.

4 So it isn't that they do this, you
5 know, just based on hope. I mean, the -- the
6 projections were that the economy would recover and as
7 soon as the economy recovered to the -- certainly to
8 the point we're at, but even the point we were at last
9 year, then there would be -- the Bank of Canada would
10 start to increase interest rates.

11 That didn't happen as quickly as people
12 expected this, you know, this -- this was not a --
13 something that had a historical precedent.

14 THE CHAIRPERSON: I made note of your
15 last comments, "banks spend a lot of money on this."
16 They spend a lot of money on that and they got it
17 wrong for eight years, is that right?

18 DR. WAYNE SIMPSON: That's right.
19 That's right.

20 THE CHAIRPERSON: So, when -- when --
21 in the -- in the 2016 hearing, which I guess is a
22 little early for the increase and MPI brought forward
23 Dr. Cleary who said 50/50, the comment on some was
24 well, no, but it's -- it's still SIRF.

25 That's when interest rates were flat.

1 Interest rates have now gone up and 50/50 is the --
2 until your comment today, 50/50 was the way to
3 proceed, is that right?

4 DR. WAYNE SIMPSON: Yes. One (1)
5 thing I'd say is that most of my comments are made in
6 the context of the DCAT, which has the four-year
7 horizon as opposed to the breakeven rate indication
8 which has the twelve (12) to eighteen (18) month
9 horizon.

10 I think there was more confidence,
11 certainly in 2016, that interest rates would rise over
12 the next four (4) years and that they'd rise in the
13 next year.

14 THE CHAIRPERSON: Sir, what is the
15 importance of having the four-year ri -- horizon
16 versus the twelve (12) to eighteen (18) month horizon,
17 considering that we are here every twelve (12) months?

18 DR. WAYNE SIMPSON: Well, the four-
19 year horizon on the DCAT, and perhaps Ms. Sherry could
20 speak to this as well, I take the one that says that -
21 - that it's going to take time for management action
22 and it's going to take time for these adverse
23 scenarios to play out, and they want to capture them
24 in a meaningful way that -- that can't necessarily be
25 captured over twelve (12) months, even though the

1 initial signs of that could be there in twelve (12)
2 months in the sense of the -- of the signs that point
3 towards what's going to come.

4 For example, if you're talking about a
5 claims forecast which will play out over a longer
6 period of time, the next year you'll have the
7 information on that claims foreca -- that claims
8 outcome, that high-loss ratio adverse event, you'll
9 have some of that information in twelve (12) months,
10 even if it hasn't entirely played out.

11 And similarly with, say, the equity
12 decline. You could have a drop, a sharp drop in
13 equities, and we've had some kind of technical
14 corrections of that, that sort of warn us that that
15 could happen.

16 You can see evidence of that even
17 though it's the final impacts of that haven't played
18 themselves out in a twelve-month period.

19 So I think that's why the four-year
20 period is there. Although most of the RSR is based on
21 a two-year -- now on the two-year outcomes.

22 THE CHAIRPERSON: Ms. Sherry, did you
23 want to add something? I see you --

24 MS. ANDREA SHERRY: I think he did a
25 great job of it. Basically that's the answer, is that

1 you want to see how the scenario plays out and you
2 want -- so if something happens now, how does that
3 play out, how does the market respond, how does the
4 Company respond. It takes time to see that.

5 THE CHAIRPERSON: In terms of the
6 change in the way MPI has changed their asset
7 liability management, and the fact that they're trying
8 to relate liabilities to specific investments, does
9 that lead to a change from four (4) years to a shorter
10 period of time?

11 Does it have any -- sorry, I guess I
12 should ask: Does it have any impact?

13 MS. ANDREA SHERRY: I don't believe it
14 would, no.

15 THE CHAIRPERSON: But your long-term
16 liabilities have been matched now.

17 MS. ANDREA SHERRY: Right.

18 THE CHAIRPERSON: So, does the
19 interest rate factor play as big a role as it did
20 before when you had equities and the liabilities all
21 co-mingled?

22 DR. WAYNE SIMPSON: My general sense,
23 and I profess no great expertise on the financial
24 model, but as you run these scenarios through the
25 financial model, these adverse scenarios, it will make

1 a difference. Yes.

2 They won't be as -- as severe as they
3 would have been before, that's -- that's my sense of
4 of the -- of the -- of some of the declining risk
5 that's associated with the lower RSR thresholds.

6 MS. ANDREA SHERRY: If that -- if the
7 asset liability management is within the model that is
8 used to perform the DCAT, then yes, it would lower the
9 risk and therefore have an impact.

10 THE CHAIRPERSON: Okay. What is the
11 upside or downside if instead of going -- we're going
12 to go naive or 50/50 or SIRF, that we just pick an
13 interest rate of a specific point now and say that's
14 the rate we're going to put into our projections,
15 we'll be back here a year from now and we'll see
16 whether we need to raise rates or lower rates to take
17 into account the rate we selected.

18 MS. ANDREA SHERRY: That's essentially
19 what you do when you do the rate indication, is you
20 have to -- you project for the rate and year in
21 question what the return would be.

22 But I think what you're suggesting
23 wouldn't be necessarily possible for the DCAT and
24 honestly, Luke would be able to answer this question
25 much better than I can, in terms of how the projected

1 -- you have to pick which one you're going with so
2 that you can project it for the four-year time
3 horizon.

4 DR. WAYNE SIMPSON: That is the naive
5 forecast.

6 THE CHAIRPERSON: That's the naive.
7 Okay.

8 MS. ANDREA SHERRY: And that's why I
9 guess it has a bigger impact on DCAT, yes.

10 THE CHAIRPERSON: Those are my
11 questions.

12 Mr. Williams, did you have any
13 redirect?

14 DR. BYRON WILLIAMS: No re-
15 examination, Mr. Chair.

16 THE CHAIRPERSON: Thank you, everyone,
17 I believe that we're adjourned until 9:00 a.m. on
18 Monday morning. Thank you all, have a good weekend.

19

20 --- Upon adjourning at 2:46 p.m.

21 Certified Correct,

22

23 _____

24 Cheryl Lavigne, Ms.

25