

"When You Talk - We Listen!"



MANITOBA PUBLIC UTILITIES BOARD

Re:

MANITOBA HYDRO

2017/18 and 2018/19

GENERAL RATE APPLICATION

PUBLIC HEARING

Before Board Panel:

Robert Gabor - Board Chairperson

Marilyn Kapitany - Vice-Chairperson

Larry Ring, QC - Board Member

Shawn McCutcheon - Board Member

Sharon McKay - Board Member

Hugh Grant - Board Member

HELD AT:

Public Utilities Board

400, 330 Portage Avenue

Winnipeg, Manitoba

December 4, 2017

Pages 1 to 309

1 APPEARANCES
2 Bob Peters) Board Counsel
3 Dayna Steinfield)
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5 Patti Ramage) Manitoba Hydro
6 Odette Fernandes)
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8 Byron Williams) Consumers Coalition
9 Katrine Dilay)
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11 William Gange) GAC
12 Peter Miller)
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14 Antoine Hacault) MIPUG
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16 George Orle) MKO
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18 Senwung Luk) Assembly of
19 Corey Shefman) Manitoba Chiefs
20
21 Kevin Williams) Business Council
22 Douglas Finkbeiner) of Manitoba
23
24 Daryl Ferguson) City of Winnipeg
25

1 LIST OF APPEARANCES (cont'd)

2

3 Christian Monnin)General Service

4) Small, General

5) Service Medium

6)Customer Classes

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19	JAMES ANDREW MCCALLUM, Sworn	
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CC-15-2	Revised budget and workplan for Dr. Gotham - Clean.	
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10 CC-19	11 Review of Manitoba Hydro's 2017/18 12 and 2018/19 GRA sustainment capital 13 by METSCO Energy Solutions Inc.	
14 CC-20	15 Manitoba Public Utilities Board: 16 Manitoba Hydro's 2017/18 and 2018/19 17 General Rate Application by William 18 Harper, Econalysis Consulting Services.	
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1 --- Upon commencing at 9:02 a.m.

2

3 THE CHAIRPERSON: Good morning
4 everyone. Welcome and thank you for your attention as
5 I call this public hearing to order. Today is the
6 first day of the oral evidentiary public hearing for
7 the General Rate Application filed by Manitoba Hydro.

14 My name is Robert Gabor, and I am the
15 chair of the Public Utilities Board; with me on this
16 hearing, are vice-chair Marilyn Kapitany, Board member
17 Shawn McCutcheon; to my left, Dr. Hugh Grant; Board
18 member Sharon McKay, and Board member Larry Ring, QC.

19 I want to take this opportunity to
20 publicly thank my colleagues on this hearing panel for
21 their dedication and service to date as what will be
22 required in the weeks and months ahead. The panel has
23 met to consider the prehearing conference and the
24 status of Intervenor applications and budgets;
25 Manitoba Hydro's interim rate request; Manitoba

1 Hydro's process motion to deal with confidential
2 information; a number of motions under Rule 13 of the
3 Board's rules of practice and procedure regarding
4 confidentiality; process requests of the parties,
5 including scheduling and review of the application;
6 and evidence filed by all parties.

7 The Board will be assisted during this
8 hearing by associate Board secretary Kurt Simonsen,
9 judicial hearing officer Diana Villegas, and judicial
10 hearing assistant Kristen Schubert, Digi-Tran through
11 Cheryl Lavigne will provide the daily transcripts,
12 which will be posted on the Board's website, together
13 with the exhibits introduced into evidence.

14 I will call on Board counsel shortly to
15 introduce the Board advisors. At this time, I'd like
16 to acknowledge that the Treaty 1 lands on which we now
17 gather for this hearing and the Treaty 2, 3, 4 and 5
18 lands, included in Manitoba Hydro's service
19 territories are the traditional territories of the
20 Anishinaabe Cree, Oji-Cree, Dakota and Dene peoples,
21 as well as the homeland of the Metis Nation.

22 Included in Manitoba Hydro's General
23 Rate Application are requests for Public Utilities
24 Board approval of three (3) separate rate increases
25 that apply to all components of the rates for all

1 customer classes. First, the August 1st, 2016 rate
2 increase of 3.36 percent, which was approved in Order
3 59/16 on an interim basis for all customer classes.
4 This rate exists as an interim rate which Manitoba
5 Hydro requests be approved as a final rate in this
6 General Rate Application. The Board has the
7 discretion to confirm the rate or vary it up or down.

8 Second, Manitoba Hydro requests that a
9 7.9 percent interim rate increase for all customer
10 classes effective August 1st, 2017. In Board Order
11 80-17 the majority of this hearing panel approved on
12 an interim basis a 3.36 percent rate increase for all
13 customer classes effective August 1st, 2017.

14 The additional revenue is to flow into
15 the previously established Bipole III deferral account
16 to be used to fund some of the additional costs that
17 will be incurred when Bipole III comes into service
18 projected to be July 2018.

19 As with the August 1st, 2016, interim
20 rate, the final amount of this more recent interim
21 rate increase may be confirmed or varied up or down as
22 a result of the Board's determinations in this General
23 Rate Application.

24 That leads to Manitoba Hydro's third
25 rate increase -- rate request in the General Rate

1 Application for a further 7.9 percent increase to all
2 components of rates to every customer class to be
3 effective April 1st, 2018.

4 This oral public hearing will be
5 conducted in accordance with the provisions of the
6 Crown Corporations Governance and Accountability Act,
7 the Public Utilities Board Act, and the Board's rules
8 of practice and procedure. It is pursuant to the
9 legislation that the Board's mandate is to set just
10 and reasonable rates that are in the public interest.

11 The Board has, quote,

12 "two concerns when dealing with a
13 rate application: The interests of
14 the Utility's ratepayers and the
15 financial health of the Utility,
16 together and in the broadest
17 interpretation, these interest
18 represent the general public
19 interest," closed quote,
20 as set out by the Manitoba Court of
21 Appeal.

22 In setting just and reasonable rates,
23 this hearing panel only considers the totality of the
24 evidence that is adduced on the record of this
25 proceeding, which includes the written and oral

1 evidence by the applicant, Intervenors and independent
2 expert consultants, as well as evidentiary
3 presentation -- presentations made by members of the
4 public and the submissions for Manitoba Hydro and all
5 the approved Intervenors.

6 The record of this proceeding is
7 mirrored on the Board's website already includes
8 written pre-filed evidence for Manitoba Hydro, written
9 responses by Manitoba Hydro to minimum filing
10 requirements, written responses by Manitoba Hydro to
11 Information Requests, Intervenors' expert evidence and
12 responses to Information Requests, independent expert
13 consultants' evidence and responses to Information
14 Requests, with more still to come. Manitoba Hydro's
15 rebuttal evidence with more still to come. Board
16 Orders made to date on proceedings involving this
17 General Rate Application, including the two (2)
18 requests for interim rates.

19 Parties are aware that as a result of
20 its deliberations on the evidence following closing
21 submissions, the Board may accept, reject or vary any
22 of the relief sought by Manitoba Hydro in this General
23 Rate Application.

24 The Board recognizes the diverse
25 customer groups represented by the approved

1 Intervenors and the Board is also mindful of the
2 significant and complex issues before it. Please be
3 reminded that you are to assist the Board in its
4 understanding of those issues. Please also be
5 reminded that as has been stressed since the outset of
6 this hearing process duplication is to be avoided and
7 cost-effectiveness is to be employed through a
8 cooperative approach. We ask that all questions and
9 answers be as concise as possible and on point. If
10 required, I will interrupt and the Board is prepared
11 to institute time limitations in order to move the
12 hearing forward in an orderly manner to complete the
13 hearing on schedule.

14 The Manitoba ombudsman has issued
15 privacy guidelines for administrative tribunals. The
16 Public Utilities Board is mindful of its obligations
17 under those guidelines. Its decisions in respect of
18 the application being considered will be sensitive to
19 the guidelines. Personal information will not be
20 disclosed unless it is appropriate and necessary to do
21 so. However, the Board advises participants that
22 these proceedings are public and that as a result,
23 personal information protections are reduced.

24 While Board counsel will outline
25 additional procedural aspects of this hearing, you are

1 requested to either turn off your cell phones while in
2 the hearing room, or at least turn off the ringer and
3 sound so as not to disrupt proceedings.

4 In an effort to accommodate requests
5 for fewer hearing days during the week, the Board
6 intends to be available to sit from 9:00 a.m. until
7 5:30 p.m. on most hearing days. Times and days may be
8 extended, if necessary, in order to keep the schedule
9 but we hope this is not required. In a date -- in
10 addition to breaking for lunch, there will also be
11 brief recesses midmorning and midafternoon.

12 As indicated at the prehearing
13 conference, these proceedings are now being live
14 streamed through a link on the Board's website. There
15 are two (2) cameras in this room activated during
16 proceedings. To assist those watching the live
17 streaming of the proceedings or following along on the
18 daily transcripts, the use of acronyms is discouraged.

19 At this time I will call on Board
20 counsel Dayna Steinfeld to provide opening remarks and
21 introductions, as well as outline the procedures to be
22 followed today and for the hearing days ahead. I will
23 call on Board counsel each morning at the outset of
24 the day's session to outline the schedule for that
25 day. Ms. Steinfeld...?

1 OPENING COMMENTS BY BOARD COUNSEL:

2 MS. DAYNA STEINFELD: Thank you and
3 good morning, Board Chair, Board vice-chair Kapitany,
4 Board members, McKay, Ring, McCutcheon and Dr. Grant.
5 And good morning to all counsel, and parties.

6 This General Rate Application by
7 Manitoba Hydro appears to have attracted unprecedented
8 interest among its ratepayers as is evident through
9 the new Intervenors in this proceeding, and the number
10 of comments provided by the public to the Board
11 through its website.

12 Good morning to all those members of
13 the public who are viewing the proceedings both in --
14 in person and on the live stream.

15 For the record, my name is Dayna
16 Steinfeld and together with my colleague Bob Peters,
17 we are legal counsel to the Public Utilities Board for
18 this Manitoba Hydro General Rate Application. Also
19 assisting the Board in this General Rate Application
20 are Brady Ryall and David Bonin of Ryall Engineering
21 Limited, the Board's engineering advisor and Roger
22 Cathcart and Curtis Batten of the Board's accounting
23 advisor Cathcart Advisors Inc.

24 I would like to welcome Curtis to the
25 hearing room. We are happy to have him as part of the

1 Board's advisory team.

2 In addition to the three (3) rate
3 increases to all components of the rates for all
4 customer classes detailed by the Board Chair in his
5 opening remarks, the Board has also been asked by
6 Manitoba Hydro to approve light-emitting diode rates
7 for the area and roadway lighting class; remove
8 festive lighting and Christmas lighting from the area
9 and roadway lighting tariff; approve surplus energy
10 program rates and terms and conditions; approve
11 curtailable rates, programs, orders; approve rates for
12 the diesel zone communities provided prerequisites
13 have been met; endorse Manitoba Hydro's proposed
14 treatment of the costs for the Conawapa generating
15 station; as well as endorse Manitoba Hydro's proposed
16 treatment of depreciation expense and operating and
17 maintenance expense.

18 Through the witness panels to be called
19 by Manitoba Hydro, as well as the Intervenors and
20 independent expert consultants, the Board will hear
21 oral evidence on issues related to Manitoba Hydro's
22 requests of the Board.

23 In an effort to set out the proposed
24 hearing process, including the timing of the various
25 witness panels, we have circulated electronically a

1 hearing schedule, and an outline of procedures that
2 maps out the proposed order of matters to come before
3 the Board in this General Rate Application. There are
4 hard copies of these documents available here today as
5 well. Both the Hearing schedule and outline of
6 procedures are subject to change at the Board's
7 direction.

8 To briefly review the hearing schedule
9 now, the hearing commences this morning with opening
10 comments by all parties. We note that while counsel
11 to the independent expert consultants are in the
12 hearing room, they have not requested the opportunity
13 to make opening comments; should that change, we
14 expect they'll make the appropriate quest -- request
15 of the Board.

16 Following opening comments, we will
17 have direct and cross-examination of Manitoba Hydro's
18 first witness panel, the executive overview panel.

19 On Wednesday, December 6th, the Board
20 will hear direct evidence from Manitoba Hydro's
21 revenue requirement witness panel followed by cross-
22 examination by all parties.

23 Manitoba Hydro's third witness panel,
24 the cost of service and rate design panel, is
25 scheduled to commence testimony on December 20th, with

1 cross-examination beginning that day, and continuing
2 into the January dates when the hearing resumes
3 following the holiday break.

4 Manitoba Hydro's fourth witness panel,
5 the major capital projects panel, will begin giving
6 testimony on January 18th, 2018.

7 The Board will also hear from
8 Intervenor witnesses beginning on scheduled dates in
9 January 2018, with some Intervenor witnesses giving
10 testimony prior to the Manitoba Hydro major capital
11 projects panel and the remaining Intervenor witness
12 testimony is scheduled for after that fourth panel.

13 There will also be evidence in this
14 hearing from independent expert consultants retained
15 by the Board to give independent evidence on
16 particular issues as set out in the scopes of work
17 posted on the Board's website. Some of the
18 independent expert consultants were provided with and
19 reviewed confidential information in preparing their
20 reports. The schedule includes time for in-camera
21 sessions before the Board which will be confidential
22 and closed any party or person not granted access to
23 the confidential information in question.

24 We remind counsel at this time that
25 cross-examination should not be used in an attempt to

1 elicit responses that contain confidential
2 information.

3 The hearing schedule also includes time
4 for oral public presentations on January 5th and
5 February 1st, 2018. These presentations will be
6 treated as evidence in the proceeding. All those
7 giving an oral present -- presentation will be asked
8 to swear or affirm and will be subject to questions
9 from the Board and parties.

10 We note that counsel invite questions
11 from the panel at any time. For the efficiency of
12 these proceedings, counsel will also accept direction
13 from the panel to move on if a point is being
14 belaboured. We expect that each hearing day will
15 commence with a brief overview of the outline of
16 proceedings for the day. Party and counsel are asked
17 to note the times allotted to their participation each
18 day, and to adhere to the time limits set in the
19 schedule.

20 As a final note on scheduling, we bring
21 the Board's attention to the fact that Intervenors
22 have indicated that they are prepared to organize the
23 order of their cross-examination to promote the
24 efficiency of these proceedings. The daily outline of
25 proceedings may therefore be amended at the Board's

1 direction to accommodate such requests from Intervenor
2 counsel.

3 We also want to briefly cover the
4 exhibit list, Mr. Chair and Board members. The Board
5 circulated a draft exhibit list last week that all
6 parties have approved, at least to that date, and that
7 will be used to keep a record of these proceedings.

8 The exhibit list contains reference to the application
9 and evidence by Manitoba Hydro, the evidence by
10 Intervenors and independent expert consultants,
11 Information Requests of the witnesses, the procedural
12 order and the public notices by the Board, as well as
13 correspondence to and from the Board.

14 Parties seeking to file exhibits are
15 asked to provide a PDF by email to Ms. Schubert as
16 soon as possible, and before the exhibit is introduced
17 preferably before the start of the hearing day.
18 Parties are to propose exhibit numbers for their own
19 exhibits.

20 We understand the Board will endeavour
21 to post the exhibits on its website, together with the
22 transcripts on a timely basis. And as a reminder to
23 counsel and for counsel to please remind their
24 witnesses, the transcript is much easier to follow if
25 the witness is giving PowerPoint presentations

1 continuously indicate which slide number of the
2 exhibit they are referring to.

3 Likewise, when asking questions,
4 counsel should reference the document and page numbers
5 for the benefit of those following via the transcript.

6 We thank counsel representing Manitoba Hydro, the
7 Intervenors and independent expert consultants for
8 their cooperation and assistance in organizing the
9 procedural matters for this hearing.

10 We extend a special welcome to the
11 Manitoba Hydro witnesses who are appearing for the
12 first time, as well as Intervenor and independent
13 expert consultant counsel and witnesses who are
14 appearing for the first time.

15 As with those who have appeared or
16 testified previously before the Board, we look forward
17 to working together to assist the Board in this
18 General Rate Application.

19 In conclusion, and subject to any
20 questions the Board Chair or panel members may have of
21 us at -- at this time, we suggest the Board call on
22 parties for their opening remarks, beginning with
23 counsel for Manitoba Hydro. Following Manitoba
24 Hydro's counsel's opening comments, we suggest the
25 Board hear opening comments by all counsel for the

1 Intervenors.

2 After lunch, the Board can expect to
3 hear from Manitoba Hydro's executive overview panel,
4 followed by cross-examination of that witness panel by
5 Board counsel. Thank you, Mr. Chair.

6 THE CHAIRPERSON: Thank you, Ms.
7 Steinfeld. Ms. Ramage, the floor is yours.

8

9 OPENING COMMENTS BY MANITOBA HYDRO:

10 MS. PATTI RAMAGE: Good Morning, Mr.
11 Chair and Madam Vice-Chair, Board member Grant, Board
12 member McCutcheon, Board member McKay and Board member
13 Ring. My name is Patti Ramage. And I'm here as legal
14 counsel to Manitoba Hydro, along with Odette
15 Fernandes, who is seated directly behind me, and
16 together with a number of Manitoba Hydro's legal
17 counsel, we will be representing Manitoba Hydro in
18 this -- what has become a multi-layered process.

19 With me here today, to my immediate
20 right, is Mr. Kelvin Shepherd, Manitoba Hydro's
21 president and chief executive officer. And we also
22 have to his right Manitoba Hydro's vice-president
23 chief finance and strategy officer Jamie McCallum. In
24 our back row today we have Mr. Greg Barnlund, to my
25 far right, director of rates and regulatory affairs;

1 Ms. Liz Carriere, manager of strategic and financial
2 planning; and Ms. Shannon Gregorashuk, manager of
3 regulatory services.

4 Manitoba Hydro is seeking from the
5 Public Utilities Board approval of a 7.9 percent rate
6 increase to be -- to be effective April 1st, 2018,
7 along with final of -- approval of previous interim
8 rate increases.

9 We acknowledge that a 7.9 percent
10 increase is an exceptional rate increase in the
11 province of Manitoba. It needs to be an exceptional
12 rate increase because we are dealing with exceptional
13 circumstances. These are challenging times at
14 Manitoba Hydro. Rate increases are never welcomed, we
15 know that. We are acutely aware that a 7.9 percent
16 increase is larger than any previous increase sought
17 from the Public Utilities Board by Manitoba Hydro. We
18 cannot emphasize enough that we do not take this
19 request lightly, but at the same time, we cannot avoid
20 or defer coming to terms with the realities of
21 Manitoba Hydro's financial situation today and its
22 future outlook. If we do that, we are only going to
23 make matters worse.

24 Can we change the slide? The problem
25 is at today's interest -- at today's rates, Manitoba

1 Hydro does not have enough cash coming in each day to
2 pay our operating costs and to pay the interest we
3 owe, let alone manage the business risks that must
4 reasonably be anticipated to arise.

5 At Manitoba Hydro we often talk about
6 managing our risks; that means that we can weather a
7 drought and like any business, particularly a highly
8 leveraged business, that we can cope with the rise in
9 interest rates. We need to be able to get through
10 those type of events and still be able to pay our
11 creditors, to pay our employees and to still renew and
12 maintain our aging system so that we can continue to
13 provide safe and reliable service.

14 The stark reality is that even with
15 extended average high water conditions, Manitoba Hydro
16 has been borrowing money just to meet current
17 obligations, never mind the costs and the interest
18 expense associated with our major projects. We have
19 been extraordinarily lucky. This is the longest
20 period of above average water conditions on record.
21 We've had fourteen (14) consecutive good years. The
22 previous record was five (5).

23 Interest rates have, until recently,
24 steadily marched downwards and sit at levels not seen
25 since the Great Depression. This will not go on

1 forever. And when it ends, absent a plan to address
2 our financial challenges which starts with the
3 requested 7.9 percent rate increase, we will be in
4 trouble. We need a plan. A plan that is grounded in
5 financial reality. Hope is not that plan. It's
6 critically important that we, all of us, we get this
7 right, because if we don't rate increases will be
8 higher in the future, and will result in even greater
9 overall increases to customers' bills. This is the
10 reality we're facing.

11 We don't want to be back here twelve
12 (12) months from now saying, we need another rate
13 increase only this time we're not asking for 7.9
14 percent, we're asking for more. We don't want to go
15 there. This process is the opportunity to get this
16 right. We need to get on the right rate trajectory
17 now.

18 Everyone understands that in life when
19 you borrow money you have to repay it. This applies
20 whether you're borrowing money to buy a new home, to
21 run a small business, or whether you're a Crown
22 Corporation running an electric utility. Borrowing
23 money also requires you pay interest. Take for
24 example a credit card. If you only make the minimum
25 payment the debt is going to be around for a very long

1 time. Each time you use that card, you accumulate
2 more debt and even more of your income gets eaten up
3 by interest expense. It's a vicious cycle. And if
4 you told -- don't take steps to deal with the debt,
5 the payments become so large that all of your income
6 goes to service that debt, and you have to borrow on
7 another account just to make that credit card's
8 minimum monthly payment.

9 To stop the cycle, you have to get the
10 debt under control. You need to reduce your expenses.
11 You need to increase your cash flow. You might make
12 changes to your lifestyle, you might cut costs. You
13 might look for ways to increase your income, and we
14 are doing all those things at Manitoba Hydro.
15 Manitoba Hydro's already taken steps this year to
16 reduce its workforce by nearly 15 percent. This
17 includes a reduction in the number of vice-presidents
18 by 30 percent and over the next short while, the
19 elimination of eight hundred (800) full-time
20 positions.

21 We would not presume to come to this
22 Board with this rate ask without having taken these
23 steps. Unfortunately, these and other cost control
24 measures are not enough to provide Manitoba Hydro
25 sufficient revenue to meet its obligations and manage

1 its risks. We're not going to be able to grow our way
2 out of this predicament. Our domestic load forecast
3 is down, as is our export revenue forecast. We have
4 no choice but to look to the only other tool we have
5 in our toolbox and that is rate increases.

6 It's fair to ask: How exactly is debt
7 affecting Manitoba Hydro? We're going to be dealing
8 with this in detail but I'll give you a taste. The
9 evidence demonstrates that presently for every dollar
10 Manitoba Hydro collects from Manitoba ratepayers \$0.40
11 goes to service the debt. I can tell you that \$0.40
12 is going up and it's going up soon. It does not
13 include the interest associated with our major capital
14 projects, that means, the interest we're paying today
15 on Bipole III capital spending is not in the \$0.40.
16 When Bipole III comes in around nine (9) months from
17 now, it adds \$205 million, 205 million, to Manitoba
18 Hydro's interest expense annually; that's a real
19 expense, and it has to be paid with real dollars.
20 Change the slide. Thank you.

21 By 2024 all the major projects will be
22 complete. How do we look then? That is going to
23 depend on the rate decision you make now. If we don't
24 take corrective action and we continue with the old
25 financial plan with its 3.95 percent rate trajectory,

1 by 2024 \$0.63 of every dollar collected from Manitoba
2 ratepayers will be needed to service Manitoba Hydro's
3 debt.

4 However, there is an opportunity to
5 change that by following the plan laid out in this
6 application, that amount drops dramatically from -- to
7 \$0.45 of every do -- excuse me, \$0.45 of every dollar.
8 From \$0.63 to \$0.45, that's a big difference. \$0.45
9 is still a lot, but it's a lot less than \$0.63.

10 Manitoba Hydro's provided a trend --
11 tremendous amount of information to substantiate the -
12 - substantiate the need for this rate increase. You
13 can approach your task with a view that the issue is
14 either complex or straightforward. Complex means
15 immersing yourself in 32,000 pages of materials that
16 have been filed to date. Complex means trying to
17 understand and remember every detail. I don't believe
18 it's humanly possible. I don't believe it's
19 necessary.

20 The key issue is straightforward: Does
21 Manitoba Hydro have enough revenue to operate the
22 business, manage its risks and pay its finance
23 expense. Absent a 7.9 percent rate increase, the
24 answer is clearly no. You don't need to 32,000 pages
25 to answer the key question. In my experience, the

1 hearing process typically focuses on a number of key
2 IRs, not the voluminous record that's created by the
3 discovery process.

4 In an effort to assist the panel, we
5 have put together of Manitoba Hydro ten (10) IRs and
6 these ten (10) IRs we believe in com -- combination
7 with our rebuttal evidence will put you in good stead
8 to understand and assess the evidence presented to you
9 and we'll distribute these when I'm complete.

10 Manitoba Hydro respects the fact that
11 Intervenors to this process represent individuals and
12 groups that have mandates that are very important to
13 their members. However, as much as we respect these
14 groups, we must remember that they are advocating for
15 a result that is consistent with the interests of
16 their members. Those mandates should not be confused
17 with that of the Public Utilities Board, to balance
18 the interest of ratepayers with the fiscal health of
19 the Utility.

20 In doing so, the PUB facilitates
21 Manitoba Hydro's continued ability to deliver safe and
22 reliable electricity to Manitobans. When listening to
23 the opening comments this morning and the evidence
24 throughout the hearing, I suggest you keep the
25 following questions top of mind. First, will adopting

1 the perspective being advocated by this Intervenor
2 serve to provide the Utility with enough cash to
3 operate the business, manage its risks, and pay its
4 finance expense?

5 Now, it's wise to ask this question
6 both if everything goes exactly to the plan that's
7 been laid out for you, but also if some things
8 disappoint, because it's been shown to happen. Take -
9 - taking those kind of perspectives is how we promote
10 rate stability and avoid rate shock.

11 Also ask yourself: Does the evidence
12 or issue raised by this Intervenor, materially affect
13 the test years, the years immediately following the
14 test years, or are you being asked to address an issue
15 that is a decade or more into the future? Does it
16 need to be decided today? Is it material?

17 This rate application is for August
18 1st, 2017 and April 1st, 2018 rates. We will be back
19 to you and you can address some of those future issues
20 when they impact the test years under consideration.

21 We already have a lot on our plates. Let's not
22 exhaust ourselves debating what the world will look
23 like seven (7) to ten (10) years from when so much
24 can't be known, particularly given, you know, we will
25 be back to see you multiple times before then.

1 Another question to keep top of mind:
2 Who benefits from addressing the issue, as is being
3 suggested? Does this appropriately balance the
4 interest of ratepayers and the need for a healthy
5 Utility?

6 Lastly, is the information being
7 presented on a consistent basis? A comparison is only
8 valid if it's an apples-to-apples comparison. Are the
9 -- the assumptions being used valid? Do they reflect
10 ta -- today's world or a healthy unview (sic) of the
11 past. The fact is, you can engineer any results you
12 want if you change the assumptions.

13 I urge you to listen very carefully to
14 the Intervenors; that's not something you usually hear
15 from a lawyer, usually I want you listening to me.
16 But in this case, I want you listening to the
17 Intervenors and carefully, because almost without
18 exception, the result of their evidence, the result of
19 their analysis, their proposals, the result is to
20 shift the burden of our debt on to ratepayers in the
21 future. That's not only unfair, it's shortsighted and
22 it does not achieve the objectives of this Board.

23 Today's ratepayer is not paying their
24 full share. Shifting the burden does not achieve
25 stability and it provides higher, not lower rates in

1 the long run. Through this GRA Manitoba Hydro has and
2 will continue to demonstrate that a 7.9 percent rate
3 increase fairly shares the burden between today's
4 ratepayers and those of the future.

5 Now, at the beginning of my comments I
6 indicated that we were very aware that this rate
7 increase is not welcomed. On Friday I got to see the
8 feedback the PUB has been seeing on its website. The
9 calls to cut cost, to cut staff, to send a message, to
10 refuse the rate increase. None of that was
11 unexpected.

12 But what struck me was that one (1)
13 individual, consumer number 1273, strong -- that --
14 that individual strongly opposed the rate increase but
15 said, and I quote,

16 "If it does go ahead, I would
17 greatly appreciate it being posted
18 in great detail as to why this large
19 amount increase has taken place and
20 where the extra funds are going
21 towards."

22 It struck me, I think because of a
23 recent experience, when I went to the last Bomber game
24 I was late. The seniors who sit by us asked where I
25 was and I replied work. When they asked where do you

1 work that you work so late on a Friday night, Manitoba
2 Hydro. And they said, you're not the one raising our
3 rates, are you? Well, no, not just me but, yes, I'm
4 working on the rate increase.

5 Things got cool, and it wasn't because
6 we were sitting outside on a November evening in
7 Winnipeg. These people clearly shared the views of
8 the people who have posted on your website. At half
9 time we talked. I explained the challenges in
10 building these major projects and how they are costing
11 more than anyone had imagined. That Manitoba Hydro
12 was not alone. How others building similar sized
13 projects had run into similar sized problems; that all
14 over North America rates are going up faster than
15 inflation as utilities deal with aging infrastructure
16 and rising costs.

17 I explained why a 20 year plan doesn't
18 work. How our Manitoba load is not going to be what
19 we thought it was just a few years ago. I explained
20 how we can count on the export market like we used to.
21 And I also explained the staff reductions we've
22 undertaken. Finally, I explained the risks of not
23 taking corrective action.

24 And when we were done, I wouldn't say
25 they were happy, but I would say they had a better

1 appreciation of the problem and why it needs to be
2 addressed. And I would also say they did not want to
3 risk higher rates later. Consumer number 1273
4 deserves that same explanation and this process can
5 accomplish that.

6 And that brings to -- me to my last
7 point, bill affordability. Manitoba Hydro is acutely
8 aware that this rate increase will have serious
9 impacts on its ratepayers who experience energy
10 poverty, including many of our indigenous customers.
11 Poverty, in particular, to this process, energy
12 poverty is an issue that requires many parties working
13 together to find meaningful solutions.

14 Parties critical to this discussion are
15 not, however, all in this room. We view the recent
16 announcement of the province of Manitoba regarding the
17 development of a new poverty reduction strategy, a
18 significant and positive. If the experts who
19 developed that poverty strategy identify a fitting
20 role for Manitoba Hydro, I am confident the
21 Corporation will do what it can.

22 But the fact remains, we are not going
23 to be -- not going to be able to meaningfully address
24 energy poverty or poverty in general in this process.
25 Today's reality is we have a choice. A choice between

1 rate increases now or even larger rate increases in
2 the future. And while it seems so tempting and so
3 easy, the worst thing we can do is ignore or defer
4 action to address the issues facing Manitoba Hydro and
5 its ratepayers. That is why we need to get this
6 right.

7 Thank you for listening to me this
8 morning. Mr. Shepherd and Mr. McCallum are, of
9 course, here and after we hear the Intervenors'
10 opening comments, they will make their presentation
11 and be available for questions.

12 And we would be happy to distribute
13 this now or at the next break, the ten (10) IRs we're
14 suggesting the Board review.

15 THE CHAIRPERSON: Ms. Ramage, Vice-
16 Chair Kapitany has a question of you.

17 THE VICE-CHAIRPERSON: Yeah, I have --
18 I actually have two (2) questions for you, Ms. Ramage.
19 The first one is: I believe you said that we're here
20 to talk about a rate for August 1st, '17 and April
21 1st, '18, but there's also a rate from August 1st,
22 '16, that also needs to be finalized.

23 And so I just wanted your comment on
24 why you hadn't mentioned that rate?

25 MS. PATTI RAMAGE: Mostly in the

1 interests of time. I was trying to encompass the --
2 capture that rate by the previous interim rates, I --
3 I referenced, as opposed to setting them all out,
4 simply because, Board counsel had already run through
5 all the detail of the rate increase, and I was
6 focusing on what I would view as -- as the significant
7 -- what we haven't covered in any proceeding in the
8 past.

9 THE VICE-CHAIRPERSON: So I take it
10 from that then that you will be addressing the
11 finalization of that rate as well?

12 MS. PATTI RAMAGE: Yes, throughout the
13 hearing.

14 THE VICE-CHAIRPERSON: Okay, thank
15 you. And my second question is: You said in your
16 statement that you were borrowing to meet current
17 obligations. When you say that, are you speaking of a
18 payment of debt for your capital projects, or is it
19 something beyond that?

20 MS. PATTI RAMAGE: What I am speaking
21 to is the fact that we are borrowing today -- that
22 when we are borrowing, we do not have sufficient funds
23 to pay for our current operating expenses, let alone
24 our -- our capital projects. Our capital projects
25 can't be recovered today under accounting rules, but

1 we don't have the sufficient funds, and I think Mr.
2 McCallum will be able to explain that in far greater
3 detail than I will.

4 THE VICE-CHAIRPERSON: Thank you.

5 THE CHAIRPERSON: Ms. Ramage, I think
6 we'll have the materials distributed at the break.
7 Just -- let's do it at the break because we're not
8 going to look at them before.

9 Okay, we will proceed with Intervenors
10 and we'll start -- I have them on my list with the
11 Assembly of Manitoba Chiefs. I don't know who will be
12 speaking on behalf of them.

13

14 OPENING COMMENTS BY ASSEMBLY OF MANITOBA CHIEFS:

15 MR. SENWUNG LUK: Good morning, Chair.
16 This is -- my name is Senwung Luk and good morning
17 panelists. Thank you for -- thank you for having us
18 here today. My name is Senwung Luk and together with
19 my cocounsel, Corey Shefman, we represent the Assembly
20 of Manitoba Chiefs.

21 The Assembly of Manitoba Chiefs is an
22 umbrella organization representing the interests of
23 sixty-two (62) of sixty-three (63) of Manitoba's first
24 Nations. And I would like to thank the Chair for his
25 acknowledgement of our presence today on Treaty 1

1 lands, on the territories of the Anishinaabe, the
2 Cree, the Dakota Peoples and on -- on the homeland of
3 the Metis nation.

4 I hope that our conversation here and
5 the deliberations of the Board will honour the spirit
6 of Treaty 1 and all the treaties that cover the land
7 and waters on what we now call Manitoba. And I make
8 reference to the treaties because the issues that the
9 AMC will bring before the Board here go back to that
10 treaty relationship. As the great Manitoban Chief
11 Justice of Canada Brian Dickson said in the Sparrow
12 case,

13 "There can be no doubt that over the
14 years the rights of the Indians were
15 often honoured in the breach. We
16 cannot recount with much pride the
17 treatment accorded to native people
18 of this country."

19 That the treaties have not been lived
20 up to speaks for itself through the evidence that the
21 AMC intends to bring before the Board. You will hear
22 that poverty hits First Nations communities hard, much
23 harder than a non-indigenous communities. You will
24 hear, for instance, that 96 percent of First Nation
25 reserves have median incomes that are below the

1 poverty line in Manitoba. You will hear that 76
2 percent of children on First Nations reserves live in
3 poverty, which is the highest rate in Canada.

4 Unfortunately, the sad litany of
5 statistics do not end there. You will also hear
6 evidence about the condition of the homes on -- many
7 homes on First Nations reserves. You will hear, for
8 instance, that 44.2 percent of First Nations people
9 lived in housing in need of major repairs. On reserve
10 housing has many problems with their construction,
11 problems that most Manitobans would find difficult
12 imagining.

13 For instance, the ground beneath the
14 home built by the Department of Indian Affairs may
15 never have been proper -- properly levels, leading to
16 subsidence of the soil. This may lead for instance,
17 in windows and doors in the home developing cracks
18 between the window and door and the frame which, in
19 turn, leads to heat leaking out. You will, therefore,
20 not be surprised to learn that electrical consumption
21 is much higher per square foot on reserve when
22 compared to off reserve homes.

23 We recognize that many of these
24 problems are large and systemic. The rate increase
25 before the Board here cannot on its own -- I'm sorry,

1 the rate case before the Board here cannot on its own
2 solve these problems.

3 But, if the Board approves the rate
4 case as put forward by Hydro, it can certainly make
5 these problems worse. A rate increase to electricity,
6 especially of the magnitude that is being proposed
7 here, will impact the poor more than the wealthy.
8 Because so many people who live in First Nations
9 communities in the province are in poverty, the rate
10 increase will hit them disproportionately hard.

11 The Board will hear that this hardship
12 will mean much more for people on reserve than simply
13 having to forgo a luxury or two, for First Nations
14 people living on reserve, this increase can mean the
15 difference between being able to pay their Hydro bill
16 or not. What's more is that people who live in First
17 Nation communities also consume higher amounts of
18 electricity because of the substandard condition of
19 their homes. A rate increase will, therefore, have an
20 even more substantial impact then on First Nations --
21 on First Nations people living on reserve even greater
22 -- even more disproportionately than for people living
23 off reserve.

24 Now, we do not expect to be taking
25 positions on Manitoba Hydro's revenue requirement. We

1 have no desire to duplicate the work that our fellow
2 Intervenors are ably doing. However, after deciding
3 on Manitoba Hydro's revenue requirement, the Board
4 will be called upon to decide how that revenue
5 requirement will be visited upon ratepayers. The
6 Assembly of Manitoba Chiefs intends on calling on
7 evidence showing the disproportionate impacts of these
8 rate increases on poor people, and on First Nations
9 communities specifically.

10 We'll be calling evidence from Mr. Phil
11 Raphais, our expert witness, that will consist of
12 practical, pragmatic approaches that the Board can
13 adopt to alleviate the impact of these -- of these
14 rate increases through rate relief of various kinds.
15 We'll call evidence showing that it's technically
16 feasible to implement a reduced rate targeted at First
17 Nations people living on Reserve.

18 We will submit that such a targeted
19 form of rate relief is appropriate given the tas --
20 given that the task of bringing on Reserve housing up
21 to standards that other Canadians would expect is an
22 unfinished project. And since we're not there yet,
23 since that is still a work in progress, it's important
24 to cushion on Reserve ratepayers from the impacts of
25 those rate increases.

1 I'll close here by alluding again to
2 the treaty relationship between Manitoba and First --
3 and the First Nations in this province. Every day,
4 with every decision that a Canadian institution makes,
5 there is an opportunity to make that treaty
6 relationship better and stronger. As the Truth and
7 Reconciliation Commission has pointed out, the journey
8 of reconciliation between indigenous people and other
9 Canadians is a job for every Canadian and for every
10 Canadian institution, each in their own situation.

11 The Assembly of Manitoba Chiefs will
12 structure our intervention to contribute practical
13 ideas for how the decision on the rate case, this rate
14 case before the Board here, can be an opportunity to
15 move further along on that journey of reconciliation.
16 Thank you.

17 THE CHAIRPERSON: Thank you, sir.

18 The next Intervenor is the Business
19 Council of Manitoba and Mr. Williams. I -- I just
20 point out for everyone in the room, we have two (2)
21 counsel named Williams in the hearing, Kevin Williams
22 and Byron Williams. And since Dr. Williams is a
23 doctor, we'll distinguish between them that way. So,
24 Mr. Williams...?

25 MR. KEVIN WILLIAMS: Thank you.

1 THE CHAIRPERSON: Please start.

2

3 OPENING COMMENTS BY BUSINESS COUNCIL OF MANITOBA:

4 MR. KEVIN WILLIAMS: Good morning,
5 Board Chair Gabor, Vice Chair Kapitany, and Board
6 members Grant, McCutcheon, McKay, and Ring. I'm Kevin
7 Williams, not the doctor, and I'm here on behalf of
8 the Business Council of Manitoba. To my immediate
9 right I have Doug Finkbeiner, also of our firm.

10 The Business Council of Manitoba is a
11 not-for-profit organization comprised of eighty-four
12 (84) CEOs from a cross-section of businesses located
13 in ber -- both urban and rural Manitoba. Almost all
14 of the corporation's are headquartered in Manitoba.
15 The Business Council's primary purpose is to research
16 and advocate positions on selected issues that have --
17 that bear directly on the future health of Manitoba
18 and Manitoba society.

19 The CEOs of the organization are
20 committed to Manitoba, Manitoba's economic growth, and
21 community involvement. The Business Council of
22 Manitoba sees this general light -- rate application
23 as just such an issue, because from the Business
24 Council of Manitoba's perspective the financial
25 stability of the province generally, and Manitoba

1 Hydro in particular in the midterm and long-term, is
2 key.

3 The Business Council of Manitoba's
4 position in respect of this General Rate Application
5 is it is the -- is -- is that it is the Public
6 Utilities Board that is vested with the -- the
7 authority to determine the appropriate rate increase
8 in respect of this application. The Business Council
9 of Manitoba's position is that to the extent that rate
10 increases will assist in placing Manitoba Hydro on a
11 solid independent financial footing, the Business
12 Council of Manitoba is supportive of such an increase.

13 To the extent that Manitoba Hydro can
14 be perceived by others, and in particular the -- the
15 credit rating agencies as being self-supporting, we
16 all as Manitobans are better off. Accordingly, to the
17 extent that the rate increase can assist Manitoba
18 Hydro as being viewed as self-supporting by the credit
19 rating agencies, the Business Council of Manitoba
20 would support such a rate increase.

21 We are not here to advocate that the
22 increase being requested by Manitoba Hydro is the
23 appropriate rate increase. That is for you to decide.
24 Our intention in respect of the proceeding is to -- is
25 to provide our position by way of a presenter panel

1 consisting of Business Council of Manitoba members.
2 Our goal in this process is to simply advocate the
3 ramifications to all Manitobas -- all Manitobans of
4 the potential impact of a downgrade of the credit
5 rating -- rating of the province and Manitoba Hydro in
6 particular; or the effect of a general rate increase -
7 - interest rate increase in the capital markets, and
8 the effect those events would have on the financial
9 stability of Manitoba Hydro and how Manitoba Hydro's
10 financial stability could impact on all Manitobans
11 generally.

12 So subject to any questions, those are
13 my comments.

14 THE CHAIRPERSON: Thank you, Mr.
15 Williams. Dr. Williams.

16

17 OPENING COMMENTS BY CONSUMERS COALITION:

18 DR. BYRON WILLIAMS: Thank you. We're
19 just waiting for our PowerPoint to come up. I'll
20 indicate that it's with great pleasure that I appear
21 on behalf of our clients, Winnipeg Harvest and CAC
22 (Manitoba). And just by way of background, Winnipeg
23 Harvest, as this Board will be well aware, serves over
24 sixty thousand (60,000) Manitobans a month who require
25 food bank assistance, linked to fifty (50) communities

1 throughout Manitoba, and partnering with four hundred
2 (400) agencies.

3 CAC (Manitoba) has been before this
4 Board, like our friends from MIPUG, right from the
5 start when it comes to Manitoba Hydro. And some
6 members of this Board will recall that at the NFAT
7 hearing, our clients were not supportive of Manitoba
8 Hydro's decision to go ahead with Keeyask.

9 But this hearing isn't about revisiting
10 past decisions. It's not about decisions -- making
11 decisions based on ideology. It is about taking a
12 hard low -- hard-nosed look at the evidence today and
13 how it reflects a non-share corporation, like Manitoba
14 Hydro, which is capital-intensive and which is in a
15 period of extensive and intensive capital investment.

16 And it's curious and interesting that -
17 - that neither Manitoba Hydro or the Business Council
18 of Manitoba in their discussion of adverse scenarios
19 ever mentioned the bond markets, and the reaction of
20 the bond markets, for example, to the Board's interim
21 decision in August, which maintained and even reduced
22 the spread between long Canada bonds and -- and
23 Manitoba bonds. So as we go forward we will hear many
24 doomsday scenarios for Manitoba Hydro. Our client
25 urge this Board, as we know it will, to keep its eyes

1 on the empirical evidence of how the markets are
2 actually reacting.

23 You will not see that word "necessary."
24 And that word "necessary" matters. The onus in this
25 hearing is on Manitoba Hydro to justify this radical

1 departure from past practice to justify this radical
2 violation of the principles of intergenerational
3 equity. That's their obligation. It has that onus.

4 We were certainly pleased to hear
5 Manitoba Hydro refer to the over two thousand three
6 hundred (2,300) Manitobans who've already written into
7 the Public Utilities Board, and our clients wish to
8 thank those consumers for sharing their voices. And
9 on the next couple of slides, you'll see some of those
10 stories. Senior citizens in rural Manitoba making
11 hard choices and quite concerned about the increase of
12 7.9 percent times two (2) being sought by Manitoba
13 Hydro.

14 New homeowners who invested in this
15 province in their homes with an expectation of
16 reasonable stable rate increases, not rate shock level
17 increases. Again, seniors in rural Manitoba concerned
18 as well as in bullet -- the second bullet on slide 12.
19 You'll see, as well, a concern by those who are
20 worried about the impacts of rate shock level
21 increases, not just for one (1) year or two (2) years,
22 but projected out six (6) years by Manitoba Hydro.
23 What impact will that have on the Manitoba economy?
24 Again, our clients thank these consumers for sharing
25 their voices.

1 Ultimately, and we've heard that word a
2 couple times today. We've heard the word "balance."
3 The balance between ratepayers and between the health
4 of the industry -- of -- of the Crown monopoly, and
5 our clients acknowledge that that is the challenge for
6 this Board. Their submission will be that if you look
7 carefully at the Manitoba Hydro application, it is
8 profoundly unbalanced and biased against today's
9 ratepayers.

10 You won't find in the application a
11 reference to consumers' cost of capital, that giant
12 sucking sound of 7.9 percent rate increases upon 7.9
13 percent rate increases, and what that does to Manitoba
14 consumers. You will not find that in Manitoba Hydro's
15 rate application.

16 In terms of the five (5) elements of
17 the statutory -- or of the Board's outline of tests in
18 terms of just and reasonable rates, I want to start
19 with forecasting on behalf of our clients. On slide
20 15 we've set out the key forecasting issues for
21 clients, and we note the reality that Manitoba Hydro
22 has not a very strong reputation when it comes to
23 forecasting, certainly in terms of the export markets,
24 and certainly in terms of capital projects. It's a
25 Corporation that has a history of being so wrong for

1 so long.

2 And our clients were concerned because
3 our clients were certainly hoping for a fresh start
4 with the new Manitoba Hydro board, with the new
5 Manitoba Hydro lit -- literature, but the evidence of
6 this hearing will show a finding by the independent
7 expert Daymark of a current bias with regard to
8 Manitoba Hydro's assessment of the export revenue
9 forecast.

10 A corporation which has the onus of
11 proving its case, a corporation which already has a
12 tainted history of credibility when it comes to
13 forecasting, and a damning finding by Daymark of a
14 current bias as well. One (1), which by the way, bias
15 -- biases the revenue forecasts down.

16 An unanswered question in this
17 proceeding, but important evidence raised by Dr.
18 Yatchew, another independent expert, is did -- did had
19 Hydro get it right? Are rate shock level increases
20 after rate shock level increases, are they going to do
21 more to demand -- to reduce demand in the Manitoba
22 economy than Hydro projects? If so, thereby
23 undermining another aspect of its rate application.

24 Evidence that has yet to be filed
25 relates to capital costs, and we'll certainly simply

1 note the fact that it is an open question of whether
2 Hydro's current estimates of capital costs are
3 reasonable, or whether they're biased. And we have no
4 indication yet whether they're biased upwards or
5 downwards.

6 For the first time in the many years
7 that I've been appearing before this Board, our client
8 -- clients raise the question: Is the twenty (20) year
9 in -- in -- IFF, integrated financial forecast,
10 analytically coherent? Historically, our clients have
11 taken serious issue with the inputs into Manitoba
12 Hydro's twenty (20) year IFF, but never have they
13 questioned the analytical coherence of it.

14 This is an application driven by a
15 desire to impose rate shock. Six (6) years they're
16 forecasting for the avowed purpose of avoiding rate
17 shock, a tautology if my client has ever seen one (1).
18 And in the middle figure on slide 19, you will see
19 some certain Information Request responses of Manitoba
20 Hydro. And a critical question is: What happens after
21 the new Jerusalem is reached? After successive years
22 of 7.9 rate increases?

23 There's a shocking about-face in the
24 Manitoba Hydro integrated financial forecasts started
25 about 2526. And if you work through those Information

1 Requests, you'll see around 2030 some very weird
2 behaviour in that integrated financial forecast. So
3 our clients asked the question, recognizing that this
4 is a corporation with long-lived capital assets. What
5 are the implications of an analytically incoherent
6 twenty (20) year integrated financial forecast?

7 In terms of the prudent and necessary
8 expenditures, right off the bat our client asked the
9 question about day-to-day capital, sustaining capital.
10 There has been damning findings in this evidence by
11 the witnesses retained by the coalition METSCO, by
12 Manitoba Hydro's own expert UMS, and even from the
13 observations of Boston Consulting Group that Manitoba
14 Hydro's expenditures on sustaining capital are not
15 sufficiently optimized.

16 So there are important questions going
17 forward in terms of what -- what are the implications
18 for the rate application. And our client has seen no
19 substantive effort by Manitoba Hydro to rebut the
20 findings of UMS in that regard. Ultimately our
21 clients ask: Are we getting the cost estimates, the
22 prudence management of its portfolio of day-to-day
23 capital that we would expect from a mature utility
24 like Manitoba Hydro?

25 And at the bottom of slide 22, we note

1 the lengthy delay. Our client and this Board have
2 been asking Manitoba Hydro to get its sustaining
3 capital expenditures in order since about 2008. Given
4 that lengthy delay in bringing prudence and
5 reasonableness and efficiency to the optimization
6 process, what tools does this Regulator need to do to
7 incent Manitoba Hydro to move more quickly and more
8 effectively on that path? A question begged by the
9 very case theory of Manitoba Hydro's is can -- can
10 Manitoba Hydro demonstrate that its management of
11 large capital projects in terms of cost and risk has
12 been prudent and reasonable. And certainly we await
13 with interest the evidence of MGF in this regard.

14 Another issue unanswered in the opening
15 statement of Manitoba Hydro, and in our view in its
16 rebuttal evidence is what it's -- the Boston
17 Consulting Group identified as poor performance
18 against benchmarks. Does Manitoba Hydro take issue
19 with Boston Consulting Group's finding of poor
20 performance against benchmarks as alleged by BCG in
21 2016? What opportunities do they present for better
22 value through better management going forward?

23 In terms of the nine hundred (900)
24 equivalent full-time position layoffs, our clients
25 will be exploring the implications, if any, of that on

1 needed steps such as the development of competent
2 sustainable capital processes.

3 I've already spoken of the delayed
4 response to saving opportunities with regard to
5 sustainable capital expenditures. I'll note as well
6 our clients will be pursuing the delay in rural office
7 consolidation, which dates back to 2006. We'll leave
8 the issue of reliance on interim rates for -- for
9 today, but that's something that our client will be
10 pursuing in terms of proactive positive steps going
11 forward to wean this Corporation off of its reliance
12 on -- on interim rates.

13 Before we turn to the overall health of
14 the Corporation, our client does want to go back to
15 the external con -- consultants retained by Manitoba
16 Hydro. As -- as identified by the independent expert
17 Daymark, there certainly was a failure by Manitoba
18 Hydro to seek input assumptions, and that -- that it -
19 - it purchase -- of the export market forecast that it
20 purchases, and that's concerning to our client.

21 And our client is also looking for what
22 exactly -- what value did this Corporation get from
23 its \$4.5 million expenditure on Boston Consulting
24 Group. Was there something more than PowerPoint
25 slides? And has Manitoba Hydro prepared a critical

1 analysis of that report?

2 In terms of the overall health of the
3 Corporation, our client will ask: Did Manitoba Hydro's
4 analysis in support of 75/25 in '27, that is what
5 drives this application, did it effectively ignore the
6 opportunity cost for Manitoba consumers, including
7 residential customers, governments, business and
8 industry? Is it, as we suggest, a violation of the
9 principles of intergenerational equity?

10 Equally important, we -- our clients
11 ask whether Hydro in its single minded pursuit of
12 75/25 in '27 has neglected to consider other tools
13 that might give confidence to the financial markets
14 while better balancing the interest of ratepayers and
15 the Crown monopoly. And the Board will be aware that
16 the Coalition's independent expert, retained with
17 MIPUG, of Morrison Park Associates has explored how
18 other relatively analogous non-share corporations such
19 as the Tennessee Valley Authority and Bonneville Power
20 give confidence to the financial markets in manners
21 different from what is pursued single-mindedly by
22 Manitoba Hydro.

23 In terms of targets we'll only direct
24 you to the last paragraph on this page. You'll hear a
25 lot of talk about debt equity in this hearing. One

1 (1) question that we all must ask yourself is: Does
2 the term "equity" as it is employed in the private
3 market differ from how it's used in the context of
4 Manitoba Hydro? In our client's submission it does,
5 and that is a very real and important difference.

6 Our clients will ask, again driven by
7 market realities: What are the bond markets saying?
8 Given the realities of financial markets, and
9 recognizing the practice of more analogous non-share
10 capital corporations, did Hydro err in making the debt
11 equity target the primary financial target to be taken
12 into account when setting rates for the future? And
13 certainly they will be exploring targets that better
14 balance the interests of ratepayers and Hydro, provide
15 greater clarity to ratepayers, Regulators, and the
16 financial markets and that are more consistent with
17 the realities of a capital-intensive utility
18 benefiting from both a monopoly and government debt
19 guarantee.

20 Our clients will pose a simple question
21 on the left-hand side of slide 34. If the capital
22 markets are focussed on other financial metrics with -
23 - then why not make those metrics central to rates?
24 Other questions on this slide I'll -- I'll debate at a
25 -- a later time. And we'll slip over the slide

1 relating to reserves, except for to note that our
2 clients certainly will be exploring when it is
3 appropriate to employ them, i.e., when we're dealing
4 with issues relating to water flow and for what risk
5 would it be unreasonable.

6 Ultimately, our clients will ask the
7 question of whether Hydro has demonstrated that its
8 forecasted results over the short, medium and long-
9 term are outside the range of what we anticipate in
10 the NFAT. Is there an evidentiary basis for a marked
11 departure from modern past practice, and from the
12 promises made by the utility in the -- in the NFAT
13 process? What happens if Hydro's change in attitude
14 by its board is not supported by the evidence and long
15 -- long-established derogatory principles? What then?
16 And our client will be presenting options to this
17 Board in terms of -- of those issues.

18 I'm going to turn to slide 39, key
19 public interest considerations. Others in this
20 hearing will be asking this as well, but what are the
21 implications of successive rate shock level increases
22 on captive residential customers? How many additional
23 Manitoba families run the risk of falling into energy
24 poverty? Does the single-minded objective of 75/25 in
25 '27 risk materially damaging economic growth and job

1 prospects?

2 Recognizing the time, Mr. Chair and
3 members of the panel, I'll try and move fairly quickly
4 through rate design and cost of service and energy
5 poverty. Focussing on the middle figure on slide 41,
6 our clients will ask. recognizing the vulnerability of
7 particular residential populations, how, if at all,
8 should tools such as low income energy efficiency,
9 bill assistance. and rate design be employed. And
10 they will ask whether those -- those supports, if any,
11 should be provided by all ratepayers, or a particular
12 class.

Moving to slide 43, and Focussing on
the second bullet, in the event that bill assistance
programs are pursued, how can long-standing challenges
with program participation and renewal, which can lead
to a majority of low income persons actually paying
more be addressed? And how can participation in all
aspects of affordable energy programming be increased?

20 The overarching question our clients
21 will ask is whether Hydro's application has been
22 wrecked on the shoals of modern rate making
23 principles, and whether there are opportunities to
24 make the ratesetting process effective and
25 transparent, more effective, more transparent for

1 consumers.

2 Moving to slide 48, and recognizing the
3 time, Mr. Chairman, Manitoba Hydro did ask for an
4 outline of some of the positions of our clients. And
5 I hasten to -- to note that our clients rely heavily
6 on the oral hearing process to develop their
7 positions. They rely heavily on focus groups and --
8 and consumer input, which is not yet completed. But
9 what we are prepared to share with the Board now are
10 some of our clients' preliminary positions as per the
11 request of Manitoba Hydro.

21 Directing your attention to the third
22 bullet on slide 49, they will argue that the shape of
23 proposed rate increases does not represent a fair
24 distribution of burden for ratepayers over time, and
25 that it imposes particular challenges on low income

1 people, as well as Manitoba business.

2 Our clients will argue that Manitoba
3 Hydro's single-minded focus on high risk capital-
4 intensive megaprojects has distracted this Corporation
5 from much of its necessary day-to-day activities,
6 including optimizing the pacing and prioritization of
7 its sustainable capital portfolio, developing an
8 evidence-based consideration of appropriate financial
9 targets for modern markets. And that -- as well as
10 the range of tools by which a modern Regulator can
11 signal to the capital markets its commis -- commitment
12 to corporate health.

13 Our clients will certainly argue that
14 Hydro's forecasts are unreliable, taking into account,
15 certainly, the demonstrated bias in terms of the
16 export market. And that, given the challenges the
17 Corporation has in terms of forecasting there is a
18 need for further examination of mechanisms to develop
19 unbiased forecasts that this Board can rely upon. Our
20 clients will argue that Manitoba Hydro has not
21 demonstrated that its target of 75/25 in '27 is
22 necessary, and that it certainly has not demonstrated
23 that they are good or balanced towards ratepayers.

24 In terms of cost of service we'll --
25 we'll move over that slide as well is orderly --

1 orderly ratesetting process. Ultimately, our client
2 will not be accepting Manitoba's -- not recommending
3 Manitoba's recommendation of a 7.9 percent rate
4 application for '17 and '18, and it will present
5 alternatives in the course of this hearing.

6 Ultimately, Mr. Chair and members of
7 the panel, our client feels strongly that the promises
8 that were made during the NFAT process have been
9 broken by Manitoba Hydro; that the theory of imposing
10 rate shock to avoid rate shock is a fundamental change
11 of perspective at Manitoba Hydro that has not been
12 justified as necessary, and definitely that Manitoba
13 Hydro has not met its onus of demonstrating that the
14 proposed rate increases balance the interests of
15 ratepayers and the financial health of the utility.

16 Thank you for this opportunity on
17 behalf of our clients.

18 THE CHAIRPERSON: Thank you. Mr.
19 Gange, would you rather proceed now or after the
20 break?

21 MR. WILLIAM GANGE: Mr. Chair, thank
22 you. I'm -- I'm ready to proceed right now, if -- if
23 you're -- and -- and I suspect we were -- we were
24 planning on breaking it at 10:25. I'm going to go
25 past that. But I don't think that my presentation is

1 more than ten (10) minutes.

2 THE CHAIRPERSON: Okay. Well, we'll
3 proceed with your presentation now.

4 MR. WILLIAM GANGE: Thank you.

5 THE CHAIRPERSON: Thank you.

6

7 OPENING COMMENTS BY GAC:

8 MR. WILLIAM GANGE: Thank you, Mr.
9 Chair. I -- and -- and thank you, Ms. Villegas, that
10 we've got our opening statement, which I'll have
11 entered into the -- to the record as GAC-14, Mr.
12 Chair, at page 2 of the of the opening statement.

13

14 --- EXHIBIT NO. GAC-14: Opening statement of GAC
15

16 MR. WILLIAM GANGE: Just for your
17 background, Mr. Chair, my name is Bill Gange. I will
18 be representing Green Action Centre throughout this
19 hearing. With me from time to time will be David
20 Cordingley, who will be taking the mic from time to
21 time. Most of the members of the the panel have met
22 Professor Miller, with me to my right, who is -- is
23 the coordinating member with the Green Action Centre.

24 The -- for background, Green Action
25 Centre has taken part in hearings before this Board

1 for a substantial period of time, and we've appeared
2 not only before hearings with the Public Utilities
3 Board regarding Manitoba Hydro, but from time to time
4 with respect to Centra Gas.

5 We have represented the conservation
6 aspects of the province. The Green Action Centre
7 promotes greener living through environmental
8 education, and encourages practical green solutions
9 like composting and active transportation for
10 homeowners, workplaces, schools, and communities. One
11 (1) of the focuses of the Green Action Centre
12 throughout its applications before this Board has been
13 the question of sustainability, with emphasis on
14 social justice meeting human needs now and in the
15 future and the efficient use of our resources.

16 The -- the perspective from the Green
17 Action Centre is that Manitoba Hydro is a -- an
18 exceptionally valuable resource within our province.
19 We understand that these are difficult times, partly
20 arising out of decisions that were made arising out of
21 the NFAT process. We recognize that Hy -- that the
22 Hydro system provides a hugely valuable resource of
23 relatively inexpensive, reliable, and renewable power,
24 and that -- that the -- the anticipated load growth
25 will increase Manitoba Hydro's costs.

1 But even with increases, those costs
2 remain attractive compared to most utilities. We
3 especially take note of the fact that Manitoba Hydro
4 has enabled Manitobans to lower their climate
5 impacts and -- and although we do believe that there
6 is much more to be done, and as an example of that is
7 electrification of transportation.

8 The rising cost of power, the reality
9 is that Manitoba's power is not affordable to all. We
10 have in the past placed special emphasis on making
11 certain that the most vulnerable of our population are
12 protected as best we can from the effects of rising
13 rates. A steep run of rate increases will reduce
14 affordability, which is a recognized -- it's -- it's
15 an inevitable part of this process. And, Diana, if
16 you could put on the slide from the Assembly of
17 Manitoba Chiefs this -- thank you very much, Diana.
18 This chart, which comes from the Assembly of Manitoba
19 Chiefs Second Round Interrogatories 23(a)(c), page 2
20 of 16.

21 And -- and, Mr. Simonsen, should I have
22 that marked as -- it -- it already is a -- a part of
23 the -- of the hearing record. But it shows
24 dramatically the effect of the number of people that
25 will be affected negatively by the various proposed or

1 potential rates of -- of the increase from Hydro
2 rates. Thank you, Diana.

3 As a result of that we -- the Green
4 Action Centre has been promoting policies and
5 practices that ensure power is more sustainably
6 produced and used and able to meet the needs of all
7 Manitobans. We are attempting through the evidence of
8 Mr. Chernick to provide to the Board alternative rate
9 structures that support both conservation and
10 affordability.

11 And Mr. Chernick's evidence, when he
12 appears which we expect to be in early January, will
13 be dealing with rate design in an attempt to deal with
14 a number of issues, both the -- the reality of the
15 fact that many of our -- of our most vulnerable
16 members of the population are captive to the electric
17 space heating. So doctor -- or Mr. Chernick's rate
18 design deals with both energy affordability and with
19 the reality of all electric heating in this province.

20 At the interim rate hearing, we advised
21 the Board that rate increases must be accompanied by
22 an adequate strategy for addressing unaffordable
23 energy burdens created or aggravated by the increase.
24 And, in our view, just and reasonable rates must meet
25 the utility's revenue requirement, but at the same

1 time, must promote affordable bills for the most
2 vulnerable lower income customers in order to provide
3 equitable access to energy for basic needs.

4 We will be providing evidence with
5 respect to equity, that -- that recovering costs, in
6 our view and in the argument that we'll be making,
7 must be proportional to usage. Equity involves
8 charging rates that reflect marginal costs and lost
9 opportunities. We understand that equity must protect
10 the small customers from the costs of growth and must
11 promote affordable bills. We urge the Public
12 Utilities Board and the parties to focus attention on
13 the multiple nuances of equity in determining what
14 are, in fact, just and reasonable rates.

15 So, Mr. Chair, Green Action Centre
16 comes -- one (1) of Dr. Williams's favourite phrases
17 is that he comes often as an agnostic to these
18 hearings. Green Action Centre, in this hearing, comes
19 wanting to hear the evidence and to analyze it. We
20 say that the -- the -- that we will be listening to
21 Manitoba Hydro to demonstrate its argument that a
22 shorter run of steeper rate hikes is better for
23 customers than the longer run of less steep rate
24 hikes. In other words, is greater short-term pain
25 offset by long-term gain? And we pose the question:

1 Would rates stabilizing the lower level with the
2 steeper increases than otherwise?

We also intend to bring evidence and to -- and to test evidence as to what measures are available to mitigate the impacts of rising rates on vulnerable customers. How effective are these measures, and how widely can they be deployed? We have in the past attempted to bring to the Board and to this whole process attempts to lower bills for income qualified or energy burdened customers.

I think it's fair to say, from the perspective of the Green Action Centre that our attempts to bring that -- those -- those issues to the attention of the Board and to be put into implementation have never been embraced wholeheartedly by Manitoba Hydro. And there have been various explanations as to why that has been. Some of them are legal concerns. Some of them are statutory concerns. Some of them are -- are issues of the difficulty of doing so.

21 And so the question that -- that
22 rattles around inside our presentation is: Are
23 Manitoba Hydro's concerns practical, political, or
24 ideological, or simply the result of institutional
25 inertia? And once again we will be bringing those

1 processes to the Board through Mr. Chernick's evidence
2 and -- and we hope that -- that those issues will be -
3 - will be received and -- and considered by this
4 Board.

5 We understand the -- the issues of
6 climate change and we ask the question: How does
7 Manitoba Hydro currently see its role in addressing
8 climate change? What specific policies and activities
9 support that role and should the promotion of
10 electrified transportation be part of Manitoba Hydro's
11 strategic planning for both climate and business
12 reasons? And -- and finally, on most of the matters
13 that are before you, our final positions will depend
14 on our examination of the evidence.

15 That is the opening statement of Green
16 Action Centre, Mr. Chair. Thank you.

17 THE CHAIRPERSON: Thank you, Mr.
18 Gange. Dr. Williams...?

19 DR. BYRON WILLIAMS: I neglected, Mr.
20 Chair, members of the panel, to intro -- to ask that
21 our PowerPoint be exhib -- entered as CA -- Consumer
22 Coalition Exhibit 31. And, more importantly, I
23 neglected to note that our client Ms. DeSorcy is in
24 the back row. She might want to wave or stand up, so
25 I apologize to our client for that.

1 --- EXHIBIT NO. CC-31: Opening Statement of
2 Consumers Coalition

3

4 THE CHAIRPERSON: Thank you. In -- in
5 relation to your comment, I was going to comment on
6 the issue of exhibits. When we come back, Ms. Ramage,
7 I -- I guess we should get your presentation, plus the
8 materials in as exhibits as well prior to starting
9 your case.

10 MS. PATTI RAMAGE: Yeah, certainly. I
11 believe Mr. Simonsen has already assigned some
12 numbers, I think, and because he was ready for Mr.
13 Shepherd and Mr. McCallum's. My presentation was --
14 would be Manitoba Hydro Exhibit 63. Mr. Shepherd and
15 McCallum's presentation is to come, is 64. And then
16 the IRS, in a nutshell, is 65.

17 THE CHAIRPERSON: Thank you, Ms.
18 Ramage. Thank you. We'll break for fifteen (15)
19 minutes. Thank you

20

21 --- Upon recessing at 10:31 a.m.

22 --- Upon resuming at 10:48 a.m.

23

24 THE CHAIRPERSON: Okay, if we could
25 resume, M. Monnin.

1 OPENING COMMENTS BY GSS/GSM:

2 MR. CHRISTIAN MONNIN: Merci, thank
3 you, Mr. Chair, panel members Grant, Kapitany,
4 McCutcheon, McKay and Ring. Thank you very much for
5 the opportunity to be here this morning.

6 My name is Christian Monnin -- Chris
7 Monnin and I'm counsel for General Service Small,
8 General Service Medium customer classes and also
9 Keystone Agricultural Producers.

10 I intend to give you just a bit of a
11 background of who comprises these Intervenors and an -
12 - an overview of the issues of concern which they will
13 bring forward throughout the hearing. The General
14 Service Small customer class is comprised of
15 nonresidential, predominantly small commercial
16 customers using Utility owned transformation with
17 demand not exceeding 200 kilowatts. The General
18 Service Small customer class is divided into demand,
19 and non-demand subclasses. In that regard, customers
20 in the demand subclasses pay demand rate based on the
21 peak demand each month, in addition to basic monthly
22 charge and energy charge.

23 It's important to underscore that the
24 demand and non-demand subclasses together account for
25 9.5 percent of Manitoba Hydro's customers and

1 contribute 17.6 percent of Utility's total costs.

2 Regarding the General Service Medium
3 class, this includes nonresidential, predominantly
4 large commercial customers using Utility owned
5 transformation with the billing demand exi --
6 exceeding 200 kilowatts. This customer class accounts
7 for .3 percent of Hydro's customers and contributes
8 13.2 percent to Utility's total cost.

9 On the whole, the General Service Small
10 and General Service Medium customer account --
11 accounts for over 30 percent of Hydro's annual revenue
12 requirement. It's also respectfully submitted these
13 customer classes account for a significant portion of
14 the Manitoba's economic activity and employment.

15 Now, in PUB Order Number 70/17, General
16 Service Small and General Service Medium were granted
17 Intervenor status. In addition, Keystone Agriculture
18 Producers were granted Intervenor status independently
19 pursuant to Order 70/17. On September 7 -- 15th,
20 2017, the PUB granted the blending of the app -- of
21 the intervention of Keystone Agricultural Producers
22 and General Service Small and General Service Medium.

23 Keystone Agriculture Producers is
24 Manitoba general farm policy organization
25 representing the interests of over 7,000 farm families

1 and 23 commodity associations. Its mandate is to
2 ensure a primary production of -- and Manitoba remains
3 profitable, sustainable and globally competitive.

4 Keystone Agriculture Producers sought
5 leave to intervene in order to assist the Board by
6 providing with the perspective of the agriculture
7 community and the impacts of Manitoba Hydro's proposed
8 -- proposed rate increases will have.

9 In fear of being redundant, but for the
10 benefit of the record, the makeup of the General
11 Service Small and General Service Medium customer
12 classes have represented stakeholders, namely, the
13 Building Owners and Managers Association of Manitoba.
14 The Members of this entity own, develop and manage the
15 bulk of the commercial, institutional real estate in
16 Manitoba.

17 The Canadian Manufacturers and
18 Exporters Association of Manitoba division, the
19 members of this entity represent businesses in the
20 manufacture and exporting sectors. These sectors
21 directly employ approximate 64,000 Manitobans. And
22 rounding it out, we have the Manitoba Hotel
23 Association which is a nonprofit organization
24 comprised of the majority of hotels located throughout
25 Manitoba.

1 General Service Small and General
2 Service Medium and Keystone Agriculture Producer
3 intervention submits that Hydro's current General Rate
4 Application proceedings provides an opportunity to
5 examine Manitoba Hydro's strategic and operational
6 decisions to date and the Utility's financial
7 projections going forward.

8 As has been well canvassed this
9 morning, the overriding regulatory principle that
10 ought to guide the Board in its deliberation, and when
11 considering the proposed rate increase, is whether the
12 rate appropriately considers the ratepayers and the
13 fiscal health of the Utility.

Moreover, by virtue of Order-in-Council
92/17, the PUB has asked -- has been tasked, rather,
with the additional duty of a careful examination of
capital expenditures in the context of its rate
approval function. Such an examination can be viewed
as an expansion of the scope of the review compared to
historic GRA proceedings in Manitoba.

At a very high level the key narratives of the General Service Small and General Service Medium and Keystone Agriculture Producers intervention are as follows:

25 The proposed rate increases cannot be

1 examined in isolation from assumptions regarding
2 subsequent rate increase -- increases. It's important
3 to keep in mind that the proposed rate increases
4 result in a nearly 50 percent increase in the rates.
5 The rate -- the proposed rate increases at the amount
6 and the pace proposed are likely to have a significant
7 impact on these Intervenors, both directly and
8 indirectly. Indeed, the proposed rate increases and
9 the pace proposed will have an impact on Manitoba's
10 competitive advantage.

11 Another issue of concern to the interv
12 -- to the Intervenors and, in particular, Keystone
13 Agriculture Producers and the Canadian Manufacturers
14 and Exporters Association is the anticipated carbon
15 tax that we will be dealing with in Manitoba. As is
16 well-known, the Pallister government announced on
17 Friday, October 27th, 2017 its plan to introduce a
18 flat \$25 cut -- carbon tax. It's submitted that this
19 must be kept in mind when considering the proposed
20 rate increase, and whether the rate of appropriately
21 considers the ratepayers.

22 The combined impact of the rate
23 increase and the carbon tax will have further negative
24 impact on these Intervenors and reduce the bottom
25 lines.

1 On the issue of rate balancing or rate
2 design, it's recognized that it's important that the
3 revenue requirements of Manitoba Hydro are indeed met,
4 however, it's equally important that rates should be
5 cost based and that the cost burden of this revenue
6 requirement be shared fairly among all customer
7 classes.

8 On the issue of revenue cost coverage
9 of the GSS and GSM Intervenors, in particular, their
10 RCC, the revenue cost coverage, is outside the zone of
11 reason -- reasonableness as set by Manitoba Hydro
12 itself. Acknowledging that this is a departure from
13 cost of service principles, therefore, consideration
14 needs to be given to the rates for all customers and
15 whether they need to be appropriately adjusted in the
16 context of this General Rate Application.

17 On the issue of operating efficiencies
18 and service quality, these Intervenors have the
19 initial perspective that it remains unclear whether
20 the measures taken by Manitoba Hydro are of a
21 sufficient magnitude to assure that it is, indeed,
22 operating at levels of productivity consistent with
23 its peers. The size and the pace of the rate increase
24 could be reduced.

25 On the issue of Keeyask it's not about

1 looking in the past, it's about looking forward. On
2 the whole, the proposed rate increase are in account
3 of Manitoba Hydro's insistence on proceeding with the
4 Keeyask project, as is. And it's reversal of its
5 long-held pos -- positions as seen in previous GRAS on
6 the issue of timing to increase its equity thickness.

7 In particular, in regard to Keeyask
8 these Intervenors submit that that -- have the
9 position that it should not be that -- that it should
10 -- position that it should not be discussed in the
11 context of the GRA -- that the position of the Keeyask
12 should not be discussed in the context of this GRA
13 respectfully misses the mark.

14 Again, in the context of the Board
15 considering whether their proposed rate application
16 appropriately considers the ratepayers and the fiscal
17 health of the Utility, the Board ought to include the
18 impact of Keeyask in that consideration. Where this
19 leads you remains to be your decision, but this may
20 very well lead to revisiting the Keeyask analysis.

21 Overarching concern of these -- but --
22 of this -- Intervenors that the proposed increase and
23 at the pace may very well drive away demand for the
24 product that -- that Hydro is trying to deliver.
25 Therefore, the pace of rate increases should be slowed

1 and the strength and prudence of ongoing investment
2 program should be further reviewed.

Those are the submissions from the
General Service Small, General Service Medium,
Keystone Agriculture Producers Intervenors. Thank you
very much.

25 THE CHAIRPERSON: Thank you. M.

1 Hacault...?

2

3 OPENING COMMENTS OF MIPUG:

4 MR. ANTOINE HACAULT: Merci. My name
5 for the record is Antoine Hacault, counsel for
6 Manitoba Industrial Power Users Group; that is a
7 fairly long name. So hello to all counsel, all
8 parties, and those listening online.

9 I'm not going to read the entire
10 statement that's been provided to each of the members
11 of the Board and we have extra copies for people. We
12 brought a total of twenty (20); gave eight (8) copies
13 to Mr. Simonsen. I believe it's entered as MIPUG-22.

14

15 --- EXHIBIT NO. MIPUG-22: Opening Comments by MIPUG

16

17 MR. ANTOINE HACAULT: I must admit
18 having done these hearings for about a decade now that
19 it almost seemed like I was dealing with a new
20 corporation. A radical change of whatever I'd seen
21 because I did my first hearing back in the '80s of how
22 this Corporation dealt with hundred year assets, how
23 it integrated these big bulky capital investments into
24 the system, and some of the statements that were made
25 by Manitoba Hydro, it's almost as if everybody that

1 looked at this before, the Public Utility Board
2 decisions that come every second year, all the
3 experts, KPMG, Board counsel, experts, et cetera,
4 everybody had unsound and unprincipled judgment. How
5 can that be?

6 We intend to show that there is no
7 reason to depart from what's been happening for the
8 last couple of decades; that there's no need to panic
9 but -- and we're making these submissions on behalf of
10 large industrial companies; as set out in our paper it
11 includes a number of fairly substantial companies that
12 provide significant employment and a significant
13 contribution towards the Manitoba economy. I'm not
14 going to enumerate them on the record. They're in our
15 presentation. What I do note, though, is that this
16 application has generated renewed interest and we've
17 had four (4) new members join.

18 Turning to page 2 of the paper. We
19 emphatically disagree with Hydro's suggestion that
20 this group of Intervenors has always had self-interest
21 in mind. It's very important and I've mentioned it in
22 previous hearings that we have stability and
23 predictable rates. We've always been concerned with
24 Manitoba Hydro's financial health and ability to
25 withstand rate issues like interest rate issues,

1 waterflow issues. So I've listed some of the main
2 concerns, which we've repeated in each and every
3 hearing.

4 Firstly, stability and predictability
5 of rates over the long-term and short-term.

6 Secondly, ongoing transparent
7 regulation of Manitoba Hydro's rates and major capital
8 spending.

9 And thirdly, ensuring rates for all
10 customer classes reflect the fair cost to serve the
11 class. And we've just had a fairly extensive cost of
12 service hearing on that.

13 Why do we take this view -- and we're
14 not fighting Hydro. It's not us against them. We
15 want a good sound well-run Utility. We make long-term
16 contracts as industrial companies. We have to have
17 predictability and stability in what happens. And
18 when we did NFAT hearings, I spent over half a day
19 looking at scenarios like Hydro is facing today. High
20 capital costs with various experts and various key
21 management people at Manitoba Hydro and how are you
22 going to deal with that and still maintain below 4
23 percent increases?

24 And they fully explained it. We're not
25 in a radically changed world, and I'll show you that

1 in subse -- subsequent slides. I also dealt with in
2 some of the hearings pacing and prioritization. So,
3 you're going to hear some of that in our questioning
4 and our presentation. That's all part of the Boston
5 Consulting report also.

6 Pacing and prioritization of sustaining
7 capital; that can have a pretty huge impact on what
8 you need for cash flows.

9 Turning to page 3, we've heard many
10 times - and I'm in the first full paragraph - that
11 Manitoba Hydro has some of the lowest published rates.
12 Well that may generally be true. Manitoba Hydro does
13 not offer significant rate options for major
14 industrial companies. The only we have -- only one we
15 have, which has been capped, is a curtailable rate
16 program. So we're going to be exploring some of that.
17 That, in fact, was also raised by the Boston
18 Consulting Group as something that should be addressed
19 by Manitoba Hydro.

20 I'm not going to go through the next
21 parts, I'm going to jump to page 5. The one (1) thing
22 that we've seen, as I said, it's practically like
23 being in front of a different corporation and a
24 different approach because all of a sudden we're
25 looking at a 10 year window on hundred year assets.

1 And for those who were part of the NFAT
2 you'll recall that the recurring theme was, this is a
3 100 year asset, you can't limit yourself to a ten (10)
4 year outlook or a short outlook because we've got
5 Keeyask coming online in 2023. When does it start
6 producing revenue; 2023.

7 When is Hydro seeking all these major
8 increases; before Keeyask is even fully in service?
9 They're asking for 8 percent increases each and every
10 year -- 7.9 is almost the same -- before the wheels
11 even start turning and revenue start being generated.
12 And in previous hearings for those who take time to
13 look at the previous PUB decisions, there was always
14 talk about a decade of investments, followed by
15 returns. And for somebody like me who's been around
16 since when we had been talking about Limestone, we had
17 the same type of discussion. Limestone was a big
18 project. Said, we've got major capital investments,
19 but they'll pay for themselves over the long run.
20 They're inflation protected and they start coming to
21 their own and being very beneficial for Manitobans
22 after that decade.

23 So in the little item number (ii) on
24 the slide that you have in front of you, our position
25 in this hearing is that Hydro has substantial --

1 substantially changed its regulatory approach to rate
2 setting during this period of capital investment. And
3 it's shifted its outlook from a 50 to 100 year outlook
4 to the IFF's integrated financial forecast of twenty
5 (20) years down to ten (10) years. We've got to reach
6 that 75/25.

7 Another thing that history will teach
8 us and if we go to the next slide and I've taken some
9 of the illustrations. You can see from that slide,
10 and this is the equity ratio, that during major
11 periods of capital investment. So, from 19 -- in the
12 early 1980s, we did Grand Rapids, Kettle, Jenpeg, Long
13 Spruce. Because you're adding such big capital
14 assets, it brings down the ratio and the ratios were
15 in the 3 to 5 percent. We did Limestone. Again, the
16 ratios were down there.

17 But history has taught us, as you can
18 see the upswings, once those big facilities come to
19 their own, it's self-correcting but as a Crown
20 Corporation backed by the province of Manitoban --
21 Manitoba, all Manitobans and as we found in NFAT, the
22 best long-term solution is having these big capital
23 projects. But you have to ease them in to current
24 ratepayers. You can't rate shock payers.

25 I may be out of line by saying, but if

1 -- it was repeated a number of times by Mr. Rainke,
2 Mr. Hacault, if you take a short-term view you'll
3 never build these generations -- these big generators.
4 Never build them. But it's the best long-term
5 solution for Manitobans.

6 But you can't have it both ways. You
7 can't come to the NFAT and say, Take a patient capital
8 approach. This is how our Utility has been run for
9 decades, and it's worked well for us and served
10 Manitobans well. And then come at the next rate
11 application and say, whoa, whoa, whoa, we're going to
12 take a totally different view to what's happened for
13 decades.

14 So that going to the bottom of the
15 slide, number 5, it's important to remember that the
16 NFAT filing rate scenarios were based on twenty (20)
17 years to achieve this 75/25 ratio. But we also had a
18 lot of discussions about alternative rate scenarios
19 which smooth it -- that rate shock even more by
20 lowering that expectation that we wouldn't have to
21 reach that in the next twenty (20) years. And that
22 led to a very considered decision based on a number of
23 experts where the PUB recommended, and the Minister
24 accepted, considering relaxing financial targets
25 further than twenty (20) years to consider ratepayer

1 impacts.

2 To page 8, please. Because I'm not
3 going through each paragraph, doesn't mean I don't
4 think they're important but I've got timelines to
5 follow.

6 So if we look at the graph and say,
7 well, we were testing a whole bunch of scenarios in
8 NFAT. It's just a couple years ago. And we were
9 testing what the cost to Manitobans would be based on
10 various scenarios: Capital costs, interest rate
11 swings, et cetera. Where were we going to be? And
12 everybody had to be comfortable that the worst
13 scenario was something we could live with because we
14 couldn't live with the worst scenario. The one (1)
15 thing we know for sure, you can't predict the future.

16 But where are we at? This is one (1)
17 of the graphs that's produced and it's referenced on
18 the source. So far we're below what we thought.
19 That's the -- I don't know if you can see it on the
20 screen, but the little red line, the red line is
21 actuals. The red line is below the blue line which is
22 pretty much what was recommended by the PUB as a plan.
23 So what's the net cost to Hydro's domestic system of
24 knowing where we were going, where are we at today?
25 Where did we think we were going?

1 Sure it changes over time; that's
2 forecasts. But it's not a dire and extreme new set of
3 facts that we're facing. In fact, if we look --
4 that's Roman Numeral Number IV and NFAT's a couple
5 years ago, we were reaching a low point of eight
6 percent of equity during the twenty (20) year
7 forecast.

8 By the next IFF, IFF-15 we got up to 12
9 -- 10 percent equity; not bad. Now, even with the
10 3.95 percent increases, not the 7.9 asked for, you get
11 12 percent; not bad. Now, part of what's happening
12 and we'll get into it in a little bit more detail.
13 I'm not a good financial guy, but I understand
14 depreciation creates an expense on the books -- it's
15 always amazing how accountants can do this -- which
16 over the hundred years or so, the life of the assets,
17 all the ratepayers will end up paying for that asset.
18 Because that's an expense that goes into your
19 financials, each and every year.

20 So I have a mortgage with a 25 year
21 amortization; over 25 years, I would pay that
22 mortgage. But I may be not understanding it
23 correctly but we'll explore this. What Hydro is
24 saying is, okay, well, you're going to be paying your
25 annual depreciation so it's like your mortgage

1 payments over the hundred years but, in addition, in
2 the first five (5) years we want you to pay -- in
3 addition to that depreciation, 25 percent of the costs
4 in new assets; Bipole III and Keeyask. Upfront.

5 Well, we're going to challenge that on
6 intergenerational equity. Why should people in
7 addition to paying over the hundred years, as you'd be
8 expected because it's used and useful over that time,
9 have to upfront that much money that quickly, when we
10 know that those assets will produce substantial
11 revenue and benefits in the latter part of their
12 years.

13 The other issue that's on -- on the
14 next slide that's out in front of you is debt
15 repayment. As you can see going back from the 1980s
16 there's never really been a substantial and aggressive
17 debt repayment. As and when we've been building our
18 system, we've taken on some new debt, paid off some
19 debt but, slowly, we've been increasing our debt, and
20 there's never been an aggressive repayment. So that's
21 another -- a new attitude, a new view of how things
22 ought to be done at this Corporation, with which...

23 Go to page 12, please. Our view,
24 generally, is that the methods used in Hydro's current
25 financial forecast tend to overstate costs and

1 understate revenues and we'll go through that in the
2 hearing.

3 In the bullet under Roman Numeral III,
4 policies with respect to overheads and depreciation
5 are not consistent with PUB directions and we'll also
6 want to test DSM spending as an integrated resource
7 plan issue that causes a lot of issues.

8 Going to the next table, page 13. One
9 of the first slides of Manitoba Hydro is that there
10 wasn't enough there to handle the risks. We're going
11 to be dealing with that. We've currently got about
12 \$2.7 billion of retained earnings. As you can see our
13 biggest risk on this on the left-hand side with the
14 update is a five (5) year drought. It's about 1.2
15 billion even if you add all the negative swings on
16 domestic growth interest rates, we're still below what
17 our retained earnings are so we can withstand that
18 easily.

19 The last general issue that I want to
20 address in my presentation is the impacts on the
21 economy. This issue was raised by Boston Consulting
22 Group with Manitoba Hydro. We've seen no evidence of
23 -- I wouldn't say a thorough and serious analysis of
24 what is going to happen with these huge rate
25 increases.

1 Just a snapshot, the total amounts that
2 are going to be collected -- and I'll get to this
3 graph -- under a 7.9 versus 3.95 scenario over ten
4 (10) years is \$3.6 billion; that's \$362 million a year
5 roughly. To put it into perspective, the amount of
6 tax collected for -- on Manitoba Corporation's tax is
7 lower than that; 334 million. Payroll tax is 477
8 million. And the provincial sales tax which caused a
9 big fuss with a 1 percent increase on how that was
10 going to impact the economy is 2. -- 294 million.

11 So we're proposing a bigger impact on
12 this economy than what the provincial sales tax
13 increase was. And Boston Consulting, if you look at
14 the graph, at the very bottom right-hand corner,
15 they've got large industrial, that would be our group
16 of customers, Hydro has been warned without any
17 further studies being done, that there's a higher risk
18 of shutdown and job losses in our sector.

19 The other untold story was the counsel
20 for Manitoba Hydro said, Well, we're going to be
21 paying a huge amount in interest. We will be paying,
22 but there's about half a billion dollars a year of
23 total government charges that will be paid out of
24 these rates. Half a billion dollars a year. And you
25 can see just the debt guarantee fee on these new

1 projects, based on the slide, forms a substantial
2 part.

3 For those who are listening, that
4 guarantee fee, the government borrows the money at,
5 say, about 3 percent and then it charges about 30
6 percent additional, a 1 percent charge on that
7 borrowing to pass it on to Manitoba Hydro. And the
8 debt guarantee fee on these new projects, you can see,
9 will form substantial part of what comprises the
10 interest payment.

11 Thank you very much and we look forward
12 to providing further detail on our positions during
13 the course of this hearing.

14 THE CHAIRPERSON: Thank you. Mr.
15 Orle.

16

17 OPENING COMMENTS BY MKO:

18 MR. GEORGE ORLE: Good morning, Mr.
19 Chairman, members of the panel. My name is George
20 Orle. I represent Manitoba Keewatinowi Okimakanak in
21 these proceedings. Grand Chief Sheila North was
22 expected to come and to make an opening statement on
23 behalf of MKO. She, unfortunately, is in Montreal and
24 is unable to be here. With me is Kelvin Lynxleg, who
25 is the Executive Director, who has brought some

1 comments from Grand Chief Sheila North. And as part
2 of our opening statement I would like permission to
3 have Kelvin Lynxleg make that statement.

4 THE CHAIRPERSON: Certainly.

5 MS. KELVIN LYNXLEG: Good morning,
6 everybody. Thank you. Grand Chief She -- Sheila
7 North Wilson sends her regrets and thanks you for
8 allowing us to make a brief statement.

9 Do you have lights in your home? Thank
10 a First Nation. Are you able to warm your family and
11 protect them from the elements. Thank a First Nation
12 and its people. Thank them for the sacrifices they
13 have made to their lands and resources, their way of
14 life and access to traditional foods and activities.
15 Manitoba Hydro projects impact the north and the land
16 of the First Nations people that reside there, and
17 will continue to impact them for generations to come.

18 Sorry. The First Nations people that
19 MKO represents are among the poorest in Manitoba. It
20 is these families that are going to be impacted
21 negatively by the proposed rate hike. Our families
22 are already impacted by exorbitant food and
23 transportation costs. The proposed rate hikes will
24 force our families to take even more food off their
25 tables and clothes off their children's backs to pay

1 for these increases.

2 Our families already pay for more
3 services due to heating their homes in extreme -- in
4 the extreme weather conditions and -- and substandard
5 inadequate housing. The diesel communities also need
6 to be taken into consideration in how much more it
7 will cost them to run generators in the communities.
8 These communities are already at a disadvantage with
9 having to -- to rely on gene -- to rely on generators.

10 It is my sincere hope that the -- that
11 the representatives who sit on this Board and who will
12 ultimately make this decision will educate themselves
13 on our shared history of our treaties, the call to
14 reconciliation, and the declaration of the rights of
15 indigenous people. You need to learn more about our
16 people and our communities, and see what First Nations
17 people deal with on a daily basis in order to be able
18 to make your decision, so you can really understand
19 how decisions you make regarding this rate hike will
20 impact us.

21 Manitoba Hydro needs to be the one (1)
22 to start making it responsive -- Manitoba Hydro needs
23 to be the one (1) to start taking responsibility and
24 the ownership and start making some sacrifices. It
25 can't always be left up to our First Nations and our

1 people to make all the sacrifices. Thank you very
2 much.

3 MR. GEORGE ORLE: Thank you. Members
4 of the panel, MKO represents more than sixty-five
5 thousand (65,000) treaty First Nation citizens in
6 northern Manitoba. It's a nonprofit advocacy --
7 advocacy organization governed by the elected chiefs
8 of the thirty (30) sovereign First Nations in northern
9 Manitoba.

10 In these hearings, MKO will focus its
11 attention on the matters of rates and the impact on
12 rates upon the citizens in the MKO First Nations, and
13 on the facilities operated by the MKO First Nations.
14 The citizens of the MKO First Nations are residential
15 ratepayers and the First Nation governments are
16 general service ratepayers. The three (3) diesel
17 First Nations which pay electricity bills for the
18 schools are also First Nation education rate
19 customers.

20 All of the citizens of the MKO First
21 Nations and the MKO First Nation government facilities
22 receive electrical service solely from Manitoba Hydro.
23 These proposed high rate increases will have a
24 disproportionate impact on the residential and general
25 ratepayers in the MKO First Nations. In fact, these

1 may be described as critical and to the point where
2 there may not be ratepayers able to pay any of
3 electricity rates. That's not an exaggeration.

4 At the last hearing that we had, the
5 number of ratepayers that were in arrears, the number
6 of First Nations that were in arrears was an
7 astounding member many times higher than those in
8 other communities comparable in size and comparable in
9 the locations. It's not a coincidence that they are
10 unable to pay this. First Nations are much in the
11 same category as senior citizens. They are on a fixed
12 income. For almost all of these First Nations their
13 income comes from the federal government. That amount
14 is not consistent. That amount does not have any
15 relationship to what the actual costs in the community
16 are.

17 The fact that they cannot meet their
18 obligations at the present time with the funding that
19 is available to them will mean that that will become
20 even a greater problem. There will be more
21 disconnects. There will be people moving into houses
22 with other families in order to be able to accomplish
23 this. This will have an effect upon them that will be
24 greater than any of the other problems faced by other
25 ratepayers.

1 Since the hearings on NFAT in 2014, the
2 needs for and alternatives to, it's been recognized
3 that some form of relief is necessary to help those
4 disproportionately affected by the high rates. And
5 the rates that we were talking about at that time were
6 half of what was being proposed at this time.

7 Recommendations were made and accepted by the former
8 government that funds paid to the government by Hydro
9 will be reduced. They have not.

10 Plans were put into place to have
11 income assistance programs in place. They have not
12 occurred. We're still at the point of having
13 discussions and asking for additional studies to be
14 made. That is not appropriate, not given the
15 magnitude of the rate increases that are being asked
16 for.

17 This also is a matter of trust and
18 there is a trust. The MKO First Nations took an
19 active role in the in the NFAT hearings on the
20 understanding that if rate increases were necessary,
21 they would be looked at, they would be examined, they
22 would be made appropriate. And that's what was done,
23 and the rate increases approved at that time were
24 substantially lower than was being done right now.
25 And that NFAT hearing was not meant to be a short-term

1 solution. It was meant to be a long-term solution.

2 Where is the trust? Where is the trust
3 that MKO can have in ongoing proceedings where the
4 amount of the rate appears to change on a cavalier
5 attitude from year to year, that it goes from three-
6 point-five (3.5), three-point-nine (3.9), to a number
7 above that in the fours, and then all of a sudden on
8 several months notice it jumps to 7.9 percent.

9 Where is the trust in the Public
10 Utilities Board hearings? Where is the trust in the
11 experts? The experts didn't come before the Board and
12 get paid millions of dollars to give you a short-term
13 solution that was going to work for two (2) years and
14 did not take into account any of the factors now being
15 brought before -- or brought before the Board by
16 Hydro. And if they didn't take them into
17 consideration, or if they did take them into
18 consideration why is it that Hydro now comes up with a
19 completely different set of scenarios that warrant a
20 7.9 percent increase?

21 The MKO First Nations want to be
22 assured that the decisions that are made are based
23 upon legitimate grounds, that they're not based upon
24 changes in policy that are arbitrarily made, or that
25 they're somehow ideologically motivated. Because

1 that's not the basis of the arrangements that were
2 made with the First Nation.

3 First Nations, the MKO First Nations,
4 particularly the flood affected First Nations, made a
5 pact. They provided land. They provided lifestyles.
6 They took a loss in the ability to engage in their
7 lifestyle in return for giving up to Manitoba Hydro
8 the ability to build on their lands, to affect their
9 rivers, their streams. And in that they were promised
10 that this was going to be for the greater good of all
11 of Manitoba, that they had faith that this resource
12 which they were turning over to Manitoba Hydro would
13 be managed properly and effectively.

24 There been considerations made as to
25 how they can have some of their problems alleviated,

1 but beyond talking they go no further than that. It's
2 a time for some concrete action. There has to be a
3 very significant review of whether or not these
4 requests are financially credible, and if they are,
5 and they still result in a rate increase that's
6 substantially higher than can be incurred by the First
7 Nation, then there have to be immediate and practical
8 effects put in.

9 They can be as simple as taking the
10 calculation of the money that is paid to the
11 provincial government which the First Nations do not
12 get a benefit from. That amount can be calculated and
13 placed back into the ratepayers -- the ratepayers of
14 the First Nations who can be easily identified. There
15 is no problem in identifying who these people are.
16 And it can be paid either by way of a rebate, or it
17 can be paid on the basis of a lowering of the rates
18 for those people.

19 There are parts of the rates that
20 include the mitigation damages to the First Nations.
21 It's inconceivable that for years and years MKO has
22 asked that the amount that they are receiving as
23 mitigation not be clawed back from them in the rates.
24 Again, that's an easily identifiable number. It can
25 be paid back out again, either through a rebate or

1 through a reduction in the rates.

2 That's a first step. It's something
3 that's doable right now. It doesn't require another
4 two (2) to three (3) years of studies, of discussions.

5 There is an immediate need. There's a saying, Never
6 let the best become the enemy of the good. The best
7 would be a solution that the experts talk about here.
8 We can do this here, we can do that. But that doesn't
9 help the people on the ground right now.

10 What's needed is an amount that is
11 calculable and put in. There's been talk in part of
12 the proceedings that perhaps a modified or an actual
13 reduction based upon what the cost of gas services,
14 that that would be an appropriate measure to say that
15 those First Nations that rely only upon electrical
16 heat for maintaining their homes, that the rate that
17 they be charged be the same rate that's charged to gas
18 customers. That that's a way of ameliorating the fact
19 that customers in Winnipeg and southern Manitoba can
20 take this measure to help themselves.

21 Having various programs to effect
22 energy conservation are good, but they don't take into
23 effect the fact that if you take all of the same
24 energy provisions in southern Manitoba and apply them
25 to nor -- northern Manitoba, you're still going to end

1 up using more energy in northern Manitoba. The number
2 of hours of sunlight, the difference in the
3 temperatures already pose a greater need for
4 electricity than what's required in the south.

5 These are calculable numbers. It's a
6 matter of deciding that it's a principal worthwhile
7 enforcing, and to say that part of the rate-making
8 process is the well-being of ratepayers, particularly
9 ratepayers that have been disproportionately
10 disadvantaged by the fact that these projects came
11 into being. That is the twin hopes of MKO, that first
12 of all you will take a very hard look at what
13 justifies the increases that are being asked for.

14 And secondly, that regardless of the
15 rate increase that you take action now, not three (3)
16 years from now, or five (5) years from now to assist
17 in these projects that are necessary to reduce the
18 electric -- electrical -- electrical costs for the
19 First Nations.

20 And I know that we talked about the
21 financial well-being of the utility, as well as the
22 financial well-being of the ratepayer, but it's not
23 your job to take into account the financial well-being
24 of the utility if the utility itself has not taken
25 proper measures to look after itself. The job of

1 Manitoba Hydro is to operate itself effectively, and
2 to operate itself in a way that doesn't cause it to
3 become a burden upon the province if they haven't done
4 that, is it appropriate for them to come to you and
5 say, Under legislation, you're required to look after
6 our well-being. You're required to make us
7 financially sound.

8 Well, it's not your job to run their
9 companies and if they run them into the ground and
10 they can make their payments, then they have to deal
11 with it. My clients, MKO First Nations, if they're
12 unable to deal with their matters, they going into
13 third-party management. They don't have a choice.

14 THE CHAIRPERSON: Mr. Orle, are you
15 close to wrapping up?

16 MR. GEORGE ORLE: That was going to be
17 my last statement. And I was just going to bring home
18 with one (1) example from our last hearings about the
19 effect that it has upon people, the effect that it has
20 upon the economy, and the way that it reverberates
21 through society. There is the example of the young
22 woman in the First Nation who managed to work her way,
23 and her education to be able to get off welfare and to
24 go to work, become a productive member of the
25 community, a productive member of the province.

1 The electrical rates which had been
2 paid for by welfare were so high when she got off
3 welfare, she could not afford to maintain a job and
4 look after her family. She needed to go back on
5 welfare, a loss of a productive individual in the
6 province because of the fact that the rates were not
7 rates that could be affordable.

8 Thank you, Mr. Chairman, members of the
9 panel.

10 THE CHAIRPERSON: Thank you. Mr.
11 Fergusson.

12

13 OPENING COMMENTS BY CITY OF WINNIPEG:

14 MR. DARYL FERGUSSON: Thank you, Mr.
15 Chair and members of the Board, and fellow counsel.
16 I'll be brief, in view of the introductory remarks
17 that you've already had from various of the
18 Intervenors and Manitoba Hydro. My name is Daryl
19 Fergusson, and I am in-house counsel for the City of
20 Winnipeg.

21 As you are aware, the city is the
22 capital of the province of Manitoba. It's the largest
23 municipality in Manitoba, and has a population of
24 approximately seven hundred and ten thousand (710,000)
25 residents. The City of Winnipeg's gross domestic

1 product represents approximately 67 percent of the
2 province of Manitoba's gross domestic product. So
3 that the economic impacts of this rate hearing and the
4 proposed rates of Manitoba Hydro are matters that the
5 City of Winnipeg takes very seriously.

6 The city's concerns regarding the rate
7 proposals are set out in the prefiling testimony of
8 the city's economist Tyler Markowsky. And Mr.
9 Markowsky brings somewhat of a unique perspective to
10 the matter before you, in that prior to joining the
11 city as its economist he was employed as an economist
12 with Manitoba Hydro. And he is in a position to
13 address a number of the issues raised by Manitoba
14 Hydro, and in particular Manitoba Hydro's historical
15 risk analysis of its financial picture.

16 It is the City of Winnipeg's position
17 that Manitoba Hydro's rate increases requested in this
18 application are not supported by the evidence that you
19 will hear during the course of this hearing. The
20 proposed rate increases create a significant cost
21 increase both in terms of direct and indirect costs to
22 the City of Winnipeg that in light of the city's own
23 current financial circumstances are unsustainable.

24 Those cost increases would necessarily
25 result in the city of those costs having to be passed

1 on to cities and business -- residents and -- and
2 businesses of the City of Winnipeg through one (1) or
3 a combination of three (3) options: increased
4 property taxes, increased user fees, or a reduction in
5 services provided to Winnipeggers.

6 And, indeed, I expect that the evidence
7 that you will hear over the course of the hearing are
8 that all businesses in the Province of Manitoba, not
9 just the City of Winnipeg -- service suppliers to the
10 City of Winnipeg, will pass those costs on to their
11 customers, their residents, be they other
12 municipalities or be they private enterprises. And
13 the impact will be an increase in the cost of living
14 to Manitobans generally. And I don't think that
15 there's any dispute about that by Manitoba Hydro.

16 In its submissions Manitoba Hydro this
17 morning suggested to the Board that you can approach
18 this in a complex manner or a straightforward manner.
19 And by "complex," they ask you to in effect ignore the
20 evidence of the various Intervenors because it's too
21 voluminous, which in some respects begs the question
22 as to why Intervenors are here at all in Manitoba
23 Hydro's view. They ask you to accept their analysis
24 without scrutiny by Intervenors, such as the City of
25 Winnipeg.

1 That is -- that's not the process for
2 you to follow. The process for you to follow is to
3 consider all of the evidence put forward by all of the
4 parties and make an informed decision based upon that
5 evidence before you.

6 I want to speak briefly on -- on one
7 (1) issue that Manitoba Hydro has raised and is the
8 unfair burden shifted to ratepayers in the future
9 unless this rate increase that they propose is adopted
10 by the Board. Manitoba Hydro speaks of a -- a
11 temporal intergenerational impact that will be
12 negative. And the City of Winnipeg has two (2)
13 comments in that regard.

14 First, and I believe the evidence that
15 you will hear will support this, that that issue
16 simply has not been studied. And you won't find
17 evidence to support that conclusion that Manitoba
18 Hydro has offered this morning. And secondly, future
19 generations will not just bear costs of -- of Hydro
20 rates today, but they will bear the fruits of those
21 costs in the future, just as all of us here today have
22 benefitted from decisions that have been made by past
23 generations. So I ask you to -- to bear that in mind
24 when you are considering Manitoba Hydro's supposition
25 that the Intervenors' evidence merely shifts this

1 burden unfairly to ratepayers in the future.

2 The City of Winnipeg recognizes
3 Manitoba Hydro's responsibility to set just and
4 reasonable rates. And the City of Winnipeg's position
5 is the rate increases proposed do not meet that test.
6 We look forward to your considered decision based upon
7 the evidence that will -- you will hear over the
8 course of this hearing. And on behalf of the
9 residents of the City of Winnipeg, I wish to thank you
10 for the opportunity to make these introductory remarks
11 and look forward to the hearing as it proceeds. Thank
12 you.

13 THE CHAIRPERSON: Thank you. I'd like
14 to think counsel and the parties for not only adhering
15 to the schedule, but being early. We're going to take
16 a break now and we'll reconvene at quarter to 1:00.
17 Thank you.

18

19 --- Upon recessing at 11:45 a.m.

20 --- Upon resuming at 12:49 p.m.

21

22 THE CHAIRPERSON: Okay. If we can
23 resume, Ms. Ramage.

24 MS. PATTI RAMAGE: This afternoon,
25 Manitoba Hydro will present the direct evidence of our

1 President and CEO Kelvin Shepherd and of Jamie
2 McCallum, our Chief Financial and Strategy Officer.

3 But before we do that, a quick
4 housekeeping matter is, they will be doing their
5 presentation in presentation form, but a quick
6 question for them just to -- to -- to get everything
7 straight on the record, and that's for you, Mr.
8 McCallum. You are the member of Manitoba Hydro's
9 executive, responsible for the preparation of Manitoba
10 Hydro's pre-filed evidence in this hearing?

11 MR. JAMES MCCALLUM: That's correct.

12 MS. PATTI RAMAGE: And do you adopt
13 this evidence on behalf of Manitoba Hydro?

14 MR. JAMES MCCALLUM: Yes, I do.

15 MS. PATTI RAMAGE: Oh, I guess we
16 should...

17

18 MANITOBA HYDRO PANEL 1:

19 KELVIN ANGUS SHEPHERD, Sworn
20 JAMES ANDREW MCCALLUM, Sworn

21

22 MS. PATTI RAMAGE: And now that you're
23 sworn, Mr. McCallum, we'll try that again.

24 Do you adopt the pre-filed -- Manitoba
25 Hydro's pre-filed evidence on behalf of the

1 Corporation?

2 MR. JAMES MCCALLUM: Yes, I do.

3

4 PRESENTATION BY MANITOBA HYDRO PANEL 1:

5 MR. KELVIN SHEPHERD: Good afternoon,
6 Mr. Chairman, Madam Vice-Chair, Board members. My
7 name is Kelvin Shepherd. I'm the President and Chief
8 Executive Officer of Manitoba Hydro. Thank you for
9 the opportunity to present today.

10 I'll begin by acknowledging we are
11 gathered on Treaty 1 territory and the homeland of the
12 Metis nation. Manitoba Hydro has facilities across
13 this province, and we have a long history of
14 interaction with many indigenous communities along the
15 Winnipeg, Saskatchewan, Churchill, Rat, Laurie,
16 Burntwood, and Nelson River systems. Our major
17 generation facilities are located primarily within the
18 traditional lands of the Cree in Treaty 5 territory.

19 Six (6) months ago on May 5th, we filed
20 our general rate application. Since that time,
21 Manitoba Hydro has produced an enormous amount of
22 information and analysis, as of other parties involved
23 in this proceed -- process, such as the independent
24 expert consultants engaged by the Public Utilities
25 Board and other advisors hired by Intervenors. I

1 believe the running tally is somewhere in the
2 neighbourhood of thirty-two thousand (32,000) pages of
3 material filed on the public record. It would be
4 nearly impossible for any one (1) person to synthesize
5 all this detailed information.

6 So our purpose today is to lay out,
7 from Manitoba Hydro's perspective, what we see is the
8 big picture, material, and important matters that the
9 -- rest at the heart of our rate application and
10 financial plan. The next ten (10) weeks will
11 necessarily explore a great many issues and in great
12 detail. However, upfront, we think it's worth
13 grounding the Board in the key issues that we can't
14 lose sight of as we proceed through this oral hearing.

15 We have organized today's presentation
16 as follows.

17 First, we'll start with a quick
18 refresher on Manitoba Hydro, its electric business,
19 and the scale of our operations.

20 Second, an overview of our new
21 financial plan and the rationale behind it.

22 Third, a summary of the major business
23 risks we face, which are crucial to understanding why
24 it's so critical we not defer dealing with our debt
25 problem any longer.

1 Fourth, key facts of this rate case.
2 This is where we will lay out the major themes we'll
3 keep drawing you back to over the coming weeks, as we
4 all work through the details of this hearing.

5 Fifth, to put some context to why it is
6 so important we act, we thought we should provide some
7 history on how we got to this point.

8 And sixth. And finally, we will
9 address some of the concerns and alternative views
10 that have become apparent through the evidence brought
11 into this process to date.

12 We have a team -- slide 3. We have a
13 team here today to help answer questions as needed,
14 but the principal speakers for today's presentation
15 are Jamie McCallum and myself. I'll just briefly
16 introduce us, beginning with my own background.

17 I've been with Manitoba Hydro as
18 President and CEO for two (2) years as of this week.
19 My professional background includes my training as a
20 professional engineer with a degree in electrical
21 engineering. I spent about the first twenty (20)
22 years of my career with Sasktel, a Saskatchewan Crown
23 Corporation providing telecommunication services;
24 primarily in Saskatchewan, although I also had some
25 international consulting and management exposure

1 during that time. Starting as an engineer designing
2 microwave and fibre-optic systems, I progressed to
3 Senior Vice-President and Chief Technology Officer
4 with responsibility for network services, wholesale
5 customers, advanced information services, and
6 corporate IT functions.

15 My colleague Jamie McCallum is our
16 Chief Finance and Strategy Officer, a position I
17 appointed him to in early 2011. Jamie is new to
18 Manitoba Hydro and to the utilities industry. I
19 brought Jamie to the company in 2016 to work with me
20 in the development and execution of a new strategic
21 and financial direction for the company. We'll talk
22 about this more shortly. But I saw a need for new
23 financial leadership to drive the capital and
24 operating discipline and strategic focus we need to
25 set and meet our goals.

1 Jamie brings a wealth of experience as
2 a private equity investor and corporate director
3 setting strategic direction in leading capital and
4 financial planning. Jamie spent almost the first
5 decade of his career as an investment banker mostly at
6 two (2) of the largest such firms in the world,
7 advising corporate and government clients around the
8 world, around the globe, on capital raising mergers
9 and acquisitions and strategy. He has an expert level
10 of understanding of how companies make business
11 choices, plan and manage their finances, access
12 capital markets, and think about risk.

13 Slide 4. Turning to our new financial
14 plan, the task in front of this Public Utilities Board
15 is challenging, and I understand, to some extent, you
16 are in an unenviable position. While the questions at
17 hand are fairly straightforward, there are very
18 difficult choices to be made.

19 Manitoba Hydro is presenting a very
20 candid and troubling picture of its financial
21 condition. We are being transparent and factual, and
22 despite what some may say, I don't believe we are
23 alarmist. The situation is severe, and the Manitoba
24 Hydro board, and I personally, believe the only
25 correct choice is to act decisively and expeditiously.

1 There are a lot of things that impact
2 the financial path of our business that we can only
3 make reasoned forecasts about: water conditions,
4 interest rates, export prices, more renewed export
5 contracts, growth, or lack of it in Manitoba
6 consumption. These are all examples.

7 However, what we know for certain is
8 that Manitoba Hydro has an enormous amount of debt and
9 has no path forward that does not include
10 significantly adding to that debt. The risks and
11 consequences of this debt, if left unchecked, for
12 Manitoba Hydro and its customers, could impair not
13 only the electrical utility, but also the financial
14 well-being and competitiveness of our customers in the
15 broader Manitoba economy for years if not decades to
16 com.

17 Together as a company, and with our
18 regulator, we have to come to terms with a debt
19 balance that is already growing and will continue to
20 grow out of all historical proportion to the size of
21 our business. At stake is our ability to continue to
22 meet our mandate of providing safe and reliable energy
23 to Manitobans at stable, predictive, and competitive
24 prices.

25 We acknowledge that our proposed rate

1 path is now higher, albeit for a shorter period, than
2 previous management for Hydro has championed in past
3 proceedings before this Board. However, we do not
4 believe there is any remaining choice but to act
5 decisively no.

6 Manitoba Hydro and the Public Utilities
7 Board has to be responsive to today's realities and
8 today's situation. We cannot stick to an old outdated
9 plan that just does not -- just does not work.
10 Previous plans simply left Manitoba Hydro and its
11 customers far too exposed for too long. We are seeing
12 that proven already in a severely deteriorated outlook
13 for our business.

14 Right now we are cash flow negative on
15 our core business operations. What we mean by that is
16 even putting all of the spending and interest payment
17 burdens of our major capital projects, Keeyask and
18 Bipole III, to the side, we are borrowing money just
19 to meet our interest payments and fund the ongoing
20 needs of running today's business. This is not
21 sustainable.

22 The debt we will inescapably build over
23 the next several years is, simply put, unsustainable.
24 The only -- the old way of thinking about how to fix
25 Manitoba Hydro's finances, and how long to take to do

1 it will simply not work. The old plans have clearly
2 already failed. We cannot put this off any longer.
3 Action to address today's immediate situation is
4 required if we are to protect all stakeholders' long
5 term best interests.

6 Slide 5. We certainly recognize that
7 the rate increases we've asked for and the future rate
8 increases that are forecasted as part of our new
9 financial plan will not be popular, nor without
10 consequence. We are sensitive to concerns that
11 justifiably exist about the negative impacts on our
12 low-income indigenous electric heat and heavy
13 industrial customers. We are not asking for any more
14 than we think is necessary.

15 As you will understand, under our
16 legislative mandate none of us have corporate or
17 printed personal financial motivation or incentive for
18 seeking higher rates. We're solely motivated to act
19 in the interests of the Corporation and its
20 stakeholders. We have a duty to maintain Manitoba
21 Hydro's financial security and to do what is in all of
22 our int -- customers' best interests over the long
23 run. Our job is to run sound, financially sustainable
24 utility.

25 Questions of income and energy poverty

1 and economic competitiveness are certainly important
2 and ones we have considered to the degree we can. But
3 these are really issues of broad public policy and
4 cannot easily be resolved through a rate-setting
5 process. The responsibilities and tools for such
6 matters do not rest with Manitoba Hydro or this Public
7 Utilities Board.

8 Manitoba Hydro has always worked and
9 will continue to work with all stakeholders on these
10 kinds of issues, and will seek to play a positive role
11 in solutions that improve the economic conditions for
12 all Manitobans. But income adequacy and economic
13 development issues are mostly beyond Manitoba Hydro's
14 mandate or control. We cannot and should need not use
15 this rate-setting hearing to do the work of developing
16 and implementing public social policies. We are not
17 well-equipped to handle these issues and the potential
18 consequence of trying to do so is compromising both
19 the financial integrity of the utility and ultimately
20 making decisions that result in the transfer of costs
21 from some groups of customers to other customers.

22 I believe these issues are best left to
23 government, who are responsible for establishing the
24 appropriate policy framework and directives for both
25 Manitoba Hydro and this board to follow.

1 Before making this rate application, we
2 took steps that reasonable persons would expect to
3 mitigate rate impacts on our customers, including
4 undertaking a significant acceleration of cost
5 reductions. Manitoba Hydro has already, through
6 attrition, reduced the staffing by more than four
7 hundred (400) operational positions over the previous
8 three (3) years.

9 In addition to this, our plan involves
10 a roughly 15 percent overall reduction in actual staff
11 count, which we are well on our way to achieving with
12 over eight hundred (800) employees leaving under a
13 voluntary departure program by January 31, 2018. As
14 part of an executive reorganization in 2017, we
15 reduced executive management by 30 percent and the
16 next two (2) layers of senior management by 25
17 percent.

18 Our new plan is targeted at restoring
19 Manitoba Hydro's financial strength and sustainability
20 over the next ten (10) years. That time-frame was
21 chosen to address the urgent need to address Manitoba
22 Hydro's serious financial state within a reasonable
23 time horizon, while balancing both near-term and
24 longer-term rate implications for our customers.

25 We look forward to this hearing and the

1 opportunity to explain in detail our financial plan,
2 including the necessity of these rate increases.

3 Slide 7. Given we have some new board
4 members, but also as a refresher for everyone, we
5 thought we should provide a high-level overview of
6 Manitoba Hydro's operations.

7 Manitoba Hydro has, at September 30 of
8 this year, just under \$24 billion of total assets.
9 Bear in mind our assets are measured at historical
10 cost and our net of depreciation recorded against
11 them. The full replacement value of our system would
12 be many, many multiples of 24 billion.

13 We generate approximately \$1.4 billion
14 in electric revenues, serving five hundred and
15 seventy-three thousand (573,000) residential and
16 general service electric customers. Thanks in part to
17 near record water flows, last year we generated just
18 under half of a billion dollars in revenues from the
19 export of electricity, which directly serves to keep
20 rates down for Manitobans. Including our natural gas
21 business, we had 2.3 billion of revenue in total, but
22 made net income of only \$71 million, of which almost
23 30 percent came from a one (1) time gain on a sale of
24 surplus land.

25 A theme that will come up often in this

1 hearing is our views on the inadequacy of roughly \$50
2 million of net income, just over 30 million in the
3 electric segment. In comparison to the size of our
4 assets, the ongoing maintenance and replacement needs
5 of those assets, the breadth of our operations, and
6 perhaps most importantly, the quantum of our debt
7 which now stands at \$18 billion.

8 When you operate a business this large
9 asset intensive and indebted, 30 million in annual
10 profit is inadequate to properly support this
11 business. As we will outline in this hearing, having
12 very modest annual net income, we are required to
13 borrow significant amounts of cash; better described
14 as running a deficit each year in order to fund
15 ongoing operations.

16 As of the end of October, we had just
17 under six thousand (6,000) employees, and that number
18 will decline to under fifty-four hundred (5,400) as we
19 complete our voluntary departure program early in the
20 new year. That's down from around sixty-two hundred
21 (6,200) employees as of April 2017.

22 I want to take a moment to acknowledge
23 the hard-working, dedicated, proud and capable team of
24 Manitoba Hydro employees we have out -- throughout
25 Manitoba, serving our customers to the best of their

1 abilities. I'm proud to lead this team who work so
2 hard every day to support Manitobans.

3 We worked hard over many years to
4 ensure we have a diverse workforce. And today, nearly
5 one (1) in five (5) of our employees self-identifies
6 as indigenous. If you look at the staffing complement
7 helping build Keeyask and Bipole III, you will find
8 these projects have been a contribute -- tremendous
9 contributor to employment opportunities in First
10 Nation communities and, indeed, for all Manitobans.
11 Well over 40 percent of employment to-date on Keeyask
12 has been from indigenous employees.

13 In August of this year, I was pleased
14 to celebrate at the construction site, together with
15 our Keeyask Cree Nation partners over 4 million person
16 hours of indigenous labour on Keeyask, with 2 million
17 of those hours worked by members of our Keeyask Cree
18 Nation partners.

19 Slide 8. A little more on our electric
20 assets. We operate fifteen (15) hydroelectric
21 generating stations, and 99 percent of our electric
22 energy is from clean, renewable sources. We have two
23 (2) gas plants and one (1) coal plant. The coal plant
24 is slated to be taking out of generating service next
25 year, which are backup facilities and used to provide

1 reliability support.

2 The majority of our power is generated
3 by three big hydroelectric stations on the Nelson
4 River, Limestone, Kettle, and Long Spruce, and brought
5 south on our two (2) high-voltage direct current
6 transmission lines, Bipoles I and II, that run side-
7 by-each through the Interlake, and both terminate on
8 our Dorsey converter station just outside of Winnipeg.
9 We move all of this energy around the province to our
10 customers, as well as to export markets through over
11 18,000 kilometres of higher voltage transmission
12 lines, and over 68,000 kilometres of lower voltage,
13 overhead, and underground distribution lines.

14 A word on our -- on the age of our
15 assets because it's a critical issue that needs to be
16 accommodated in our financial plan. The bulk of our
17 generating fleet was commissioned in the 1970s or
18 before. Our Winnipeg river plants were built between
19 1910 and 1955. Our last major new development was
20 Limestone which came on stream almost thirty (30)
21 years ago. Our two (2) Bipole transmission lines were
22 built over forty (40) years ago, and some key
23 components are nearing end-of-life.

24 On the distribution side, huge swaths
25 of our assets date back to 1950s and 60s and rural

1 electrification. Here in Winnipeg, significant
2 distribution assets that belong to Winnipeg Hydro were
3 installed in and around World War II during a period
4 of rapid transition for the city -- rapid expansion,
5 pardon me, for the city. We required Winnipeg Hydro
6 in 2002 and need to make significant investments to
7 address failing infrastructure. All to say we have a
8 substantial network, with long-lived assets that are
9 increasingly reaching later stages of useful lives,
10 along with also needing regular investment to increase
11 the capacity and capability of our system to serve
12 evolving customer needs.

13 Why is this important? Well, there are
14 a few issues. A few reasons. The cost of being in
15 electricity business has increased substantially even
16 after adjusting for inflation. But our revenue
17 requirement is determined by depreciation expense
18 which is based on historical cost of assets built
19 one(1) or two (2) generations or more ago. Simply
20 put, what we are recovering in rates does not come
21 close to what we need to spend to maintain and renew
22 our aging system. As time passes and our
23 infrastructure gets older, this will become more
24 critical. Utilities throughout North America are
25 grappling with this issue, and Manitoba Hydro is no

1 different.

2 It's very important we address our
3 balance sheet deficiencies in the near-term, so we are
4 in a better position to meet the longer-term capital
5 needs of our system, while contributing -- or while
6 continuing to meet the reliability standards are
7 regulators require and customers demand.

8 Slide 9. A breakdown of our revenue in
9 the electric segment shows \$1.4 billion a roughly 75
10 percent comes from Manitoba customers with the rest
11 from exports. Within Manitoba residential customers
12 are our largest segment at 41 percent of revenue,
13 followed by commercial customers at roughly 35
14 percent, with our industrial customers being the
15 balance.

16 Slide 10. On our cost structure -- and
17 this is based on our last completed fiscal year -- I'd
18 like to make a few points. We are a capital intensive
19 business. The size of our assets is really what
20 drives our operating costs. Together with interest
21 expense, which is driven by debt incurred to fund
22 asset investment, depreciation of our assets and
23 capital taxes drive over 60 percent of the current
24 cost structure. That will go up complete Bipole III
25 and Keeyask and bring almost another \$1 billion of

1 depreciation and interest expense onto our books over
2 the next few years.

3 Notably, operating and administrative
4 expenses, or O&A, represent the only costs I would
5 regard as controllable, at least in the shorter term,
6 and are under 30 percent of our cost structure. While
7 we continue to focus on operating cost reduction and
8 are taking more -- even more action on that front, our
9 O&A costs are heading to be coming even less
10 significant, more like 15 percent of the cost
11 structure, once these big new capital assets come into
12 service.

13 Slide 11. We continue to deliver safe
14 and reliable services for customers, as highlighted by
15 these two (2) standard measures used by the industry.
16 For these metrics, a lower result is better. And as
17 you can see, we compare favourably to our Canadian
18 peers with fairly consistent top quartile performance.

19 While past and current performance is
20 good, I should add a few words of caution. You can
21 see, we are trending somewhat downward. These charts
22 also combine our rural and urban performance, and the
23 results do vary across those segments. In Winnipeg,
24 we are now a third quartile performer on reliability
25 scores. As our urban assets age, we will need to work

1 hard to keep coming up with creative solutions and
2 investing to keep our service where Manitobans need it
3 to be.

4 Slide 12. Finally, we just wanted to
5 put our customer rates and rate increase request into
6 a bit of perspective. On the residential side,
7 Manitoba customers enjoy the second lowest rates in
8 the country, and should the proposed rate increase for
9 April 1, 2018 be approved, that will continue to be
10 the case. I think it's important to note that,
11 broadly speaking, electricity costs are going up at
12 rates higher than inflation as utilities throughout
13 North America grapple with changing demand patterns,
14 higher regulatory costs, aging infrastructure, and for
15 many, the transition from carbon generating sources to
16 renewables.

17 Slide 13. On the high consumption
18 side, you can see that a sample industrial customer
19 will continue to enjoy the lowest rates in the
20 country, even after the proposed rate increase. In
21 both residential and industrial rates, you can see
22 that, except in Quebec, Manitoba Hydro rates have
23 considerable room to grow before we would become even
24 an average jurisdiction.

25 I recognize that what people pay for

1 electricity in -- in other places is not all that
2 relevant to people who have chosen to build their
3 lives and businesses here. But it is relevant to
4 questions of our competitiveness as a province.

5 The future path of rate increases in
6 other places is hard to know. But if you look around
7 at the issues including decarbonization, major
8 projects, and modernization of infrastructure, which
9 others are dealing with, I'm hard-pressed to see very
10 many places where inflationary rate increases are
11 likely to be the norm.

12 So looking further out, we're pretty
13 confident that in -- this -- in spite of the path of
14 rate increases we are proposing, that we will remain
15 among the lowest energy rates, and with the potential,
16 once we stabilized out financial situation, to improve
17 from there.

18 Slide 14. Changing gears just a bit, I
19 thought I would briefly outline the -- the four (4)
20 current strategic priorities of Manitoba Hydro. Our
21 mission is creating value for Manitobans by meeting
22 customers expectations for safe, reliable energy
23 services at a fair price. Our four (4) strategic
24 priorities are restoring financial sustainability,
25 delivering an excellent customer experience, engaging

1 employees in our transformation, respect and support
2 for indigenous peoples in all aspects of our business.

3 The first priority, restoring financial
4 sustainability, includes actions to put the company on
5 track to achieve a 75:25 debt-equity ratio within a
6 ten (10) year horizon; address the current deficit in
7 operating cash flow; improve our financial capacity to
8 manage known and potential operating risks over the
9 next several years. This priority requires pursuing a
10 balanced approach of cost reductions and efficiency
11 improvement, together was seeking appropriate domestic
12 revenue increases and pursuing new export revenues.

13 Our second priority, in terms of
14 delivering excellent customer experience, means
15 focusing on the end-to-end customer experience;
16 meeting customer expectations on what we deliver,
17 while striving to exceed expectations on how we
18 deliver; building a service experience around our next
19 generation of customers, this is what I would refer to
20 as a looking forward strategy; managing the customer
21 experience, in addition to what we already do in
22 managing operational service metrics.

23 We're going through a tremendous amount
24 of change, and it's critical that we engage employees
25 in that transformation and change effort. In

1 practical terms, that means corporate direction,
2 strategy, overall goals will be established by the
3 Board and the senior executive. Managers will work
4 with their teams to implement and manage
5 transformation initiatives. And employee input and
6 active participation is a key success factor and will
7 be actively sought and listened to by all levels of
8 management.

9 Our final strategic imperative, one (1)
10 that, in my view, is extremely important is respect
11 and support for indigenous people in all aspects of
12 our business. What this means is that we will engage
13 in respectful dialogue and negotiation with
14 communities who have concerns with past, present, and
15 future Manitoba Hydro operations and projects; ensure
16 that we respect existing agreements with indigenous
17 peoples; create an internal environment within
18 Manitoba Hydro that respects and supports indigenous
19 employees and their culture; and we'll look to evolve
20 a relationship with indigenous people in a positive
21 and proactive manner and continue to be a leader in
22 indigenous relations.

23 In addition to these strategic
24 priorities, we have identified a foundation of core
25 principles which we will continue to focus on.

1 Safety, being our top value and a priority which we
2 absolutely will not compromise.

3 Jamie...?

4 THE VICE-CHAIRPERSON: Mr. Shepherd,
5 just before you move on, could I just ask you a
6 question?

7 You said at the beginning of your
8 presentation that you see no path that does not add to
9 debt. Can you clarify for me, this -- are you
10 speaking of the projects that are currently underway
11 in the operation of Manitoba Hydro, or are there
12 additional projects that you're looking at that would
13 add to the debt?

14 MR. KELVIN SHEPHERD: No, I'm speaking
15 to projects that are on the books, are currently
16 committed and need to be funded over the next several
17 years. But I'm not talking about any significant new
18 projects or any proposed increase in sustainment or
19 other operating costs.

20 THE VICE-CHAIRPERSON: And the other -
21 - another thing you said is the comparisons you made
22 for industrial customers to other jurisdictions in
23 Canada. I'm assuming that you've done similar
24 comparisons to North American jurisdictions, and is
25 there anything there that would jump out for us?

1 MR. KELVIN SHEPHERD: Yes, we have
2 looked across North America and -- and there are some
3 jurisdictions that would have rates -- in the United
4 States, pardon me -- that would have rates similar to
5 ours, there are many that have rates higher than ours.
6 So I would say we would still be considered, at this
7 point, as having in the -- the lower end of rates for
8 those customers anywhere in North America.

9 MR. JAMES MCCALLUM: Thank you, Mr.
10 Shepherd. Good afternoon, Mr. Chairman, Madam Vice-
11 Chair, Board members, Board advisors, Intervenors, and
12 our audience.

13 I'm on slide 16 now. Mr. Shepherd
14 spoke earlier about how our old financial plans just
15 don't work for the circumstances we find ourselves in
16 today. We'll add some more detail to show why this
17 is. But talking about what our new plan had to
18 address is an essential starting point to frame the
19 discussion that follows on why our new plan is the
20 right path forward.

21 So here's what we found when we started
22 looking at our financial plan.

23 First, we've had a huge erosion in our
24 outlook for major drivers of our business, as compared
25 to the last few financial forecasts reviewed before

1 this Board. We will explain that further shortly.

2 We can and do quantify the
3 deterioration in our revenue, earnings, debt, and cash
4 flow expectations. But as damaging as the dollars
5 that have disappeared are, which are hugely impactful,
6 it is also the significantly diminished growth
7 expectations that fundamentally shape our point of
8 view on risk and risk tolerance. Simply put, we are
9 not growing and that change in outlook changes
10 everything. All of our plans to date had, in my view,
11 too much debt.

12 Our forecast debt levels have increased
13 from too high to extreme. And now we have lost the
14 prospect of, at least, on a relative basis, growing
15 into that debt, and therefore our ability to manage
16 and sustain that debt has gone way down and we must
17 act accordingly.

18 Even more urgently, when you consider
19 all the costs Manitoba Hydro must absorb to run its
20 business each day, and we'll show this, you discover
21 that today's rates are not at the right level.

22 Today's rates do not fund the full costs of running
23 our business today. Ms. Ramage described it in terms
24 of using a line of credit to pay off your credit card.
25 We are borrowing money each year just to meet the

1 interest and operating requirements, obligations, of
2 the current business, and even before we consider the
3 current and future impacts of the two (2) major
4 capital projects.

5 The 3.95 percent rate path that has
6 been in place for a number of years, thus -- just
7 doesn't work anymore. Left in place, it would leave
8 Manitoba Hydro with cumulative net losses until 2032,
9 and that's if nothing goes wrong. And we would be
10 borrowing over \$1 billion over the next decade just to
11 fund our day-to-day operations.

12 We would be passing through the next
13 decade, a time when we expect to be increasingly
14 needing to address aging infrastructure and a
15 continually changing utility industry with a fragile
16 balance sheet and no margin for error. A plan like
17 that almost assures a potentially decades-long march
18 of rate increases above inflation at a much higher
19 risk of rate instability. We had to find another way.

20 Slide 17. This slide is a picture of
21 our income and expenses today, versus in 2030 --
22 2023/24, six (6) years from now. The relevance of
23 2024 is that at that point Manitoba Hydro is in much
24 more of a steady state than you'd -- than we'd be
25 today. Keeyask is fully in service. Bipole three has

1 been in service for about four (4) years. At that
2 point, this big bulge of additional interest charges
3 and depreciation expense associated with the Keeyask
4 and Bipole III projects that we've been talking about
5 here for a while, will be fully visible in our income
6 statement, and the result is concerning.

7 Today, as you know, we are roughly
8 break-even on net -- net income. We anticip --
9 anticipate about \$30 million of net income for 2018,
10 fiscal 2018, based on our year-to-date results and
11 current water conditions. The -- it's a little mild
12 today and over the weekend. The weather heading into
13 our -- our fourth quarter could move us either way to
14 the tune of 20 or \$30 million.

15 But by 2024, without any rate
16 increases, we will flip to a \$700 million loss per
17 year. And that's assuming again that all goes to
18 plan, particularly that interest rates have stayed on
19 their relatively low track and that export prices have
20 appreciated, which they haven't done really for many
21 years.

22 We are already off this track of export
23 prices by 10 to 20 percent this year, compared to
24 forecast. The prices we're realizing in the
25 opportunity market this year are 10 to 20 percent

1 below what's in our forecast. A \$700 million gap
2 means rates are about 43 percent too low. A 3.95
3 percent path fills about two-thirds (2/3) of this gap.
4 But \$300 million is still a huge annual hole.

5 Moreover -- and this is something
6 you'll hear us say often -- as a planning matter, we
7 don't believe you can target nil or breakeven net
8 income for a businesses as large, complex, asset
9 intensive, volatile, and indebted as ours. We have to
10 plan, inclusive of in our rate strategy, for a cushion
11 that allows for a margin of error and to create
12 reserves in the form of paying down debt when things
13 go right.

14 Slide 18, please. This slide is likely
15 familiar to Intervenors and advisors and board members
16 from past hearings. The columns represent our costs
17 from 2018 through 2027. The dark dotted line is our
18 domestic revenue at today's rates. The solid line is
19 our domestic revenue at today's rates, plus our export
20 revenues.

21 You can see that in 2021, '22, and '23,
22 there is a step up in those revenues as new export
23 contracts come into effect and Keeyask comes into
24 service, supporting both those contracts and higher
25 opportunity sales. But what you can also see in the

1 bars is that costs are increasing dramatically, and
2 without rate increases, we have a huge gap building
3 between our revenues and our costs. This is the same
4 picture as we showed for 2023/'24 on the page before.

5 Finally, at the top, you see a red
6 dotted line. That's our total revenue, including
7 exports, if we follow the 3.95 percent rate path. The
8 scale of the graph somewhat obscures it, but you can
9 see that for the next few years, we continue with
10 minimal net income but then start to generate sizable
11 losses. Those losses total \$400 million over the next
12 decade. The graph doesn't extend that far, but it
13 takes until 2032, fifteen (15) years, before the red
14 dotted line inches above the bars enough that we have
15 cumulative net income.

16 Page 19; slide 19. But we aren't just
17 trying to address income. Income is important, but we
18 also have to really care about cash flow and how much
19 cash we are generating or using to run our business
20 each year. Here we have a huge problem. If you think
21 back to Tab 2 of our application in May, we spent a
22 bunch of effort making clear that we have a big cash
23 flow problem. It's interesting that on the one hand,
24 the Consumers Coalition has labelled our focus on cash
25 flow, A radical re-imagining. Meanwhile, Morrison

1 Park Associates, engaged by the Coalition and MIPUG,
2 concludes cash flow is really important, but we don't
3 pay enough attention to it.

4 Well, we do think it's important. We
5 are clearly paying attention to it. And the funny
6 thing about cash flow is that it really isn't all that
7 susceptible to radical re-imagining. There's no
8 accounting policy with cash. It's either there or it
9 isn't. I spent almost my entire professional life
10 evaluating companies, their strategy, how they make
11 money, how they're financed, what they're worth. On
12 day one of my career, somebody told me, If you ever
13 want to know something about company -- a company,
14 follow the cash. So this table follows the cash.

15 We start with our receipts from
16 customers, domestic and import. That's the top line.
17 Then we take away all our payments to suppliers and
18 employees to operate the business each year. There's
19 no capital expenditures here just yet. Then we look
20 at the interest paid in cash on our debt, again, just
21 associated with the business and not the major
22 projects, where although we are paying out hundreds of
23 millions of dollars now each year in interest, we
24 don't, in this analysis, consider that an ongoing
25 burden on the business because the assets are not yet

1 in service.

2 Then we get what we call our business
3 operations capital expenditures. These are all the
4 costs we pay each year to maintain, replace and
5 enhance the system to make sure we keep meeting our
6 mandate. Next is demand-side management, another
7 regular expenditure. Then there are the payments we
8 make each year for mitigation and other deferred
9 expenditures, and finally the overhead costs this
10 Board has directed not to be charged to income but are
11 nonetheless cash expenditures we must make.

12 That brings us to our first subtotal,
13 where you'll see in the last two (2) years, we have
14 had a pretty substantial cash loss, and it forecasts
15 to be marginally positive in the year just about to
16 end in March, but there's more. We have a whole host
17 of payments we make on account of commitments we have
18 made that sit as liabilities on our balance sheet,
19 things like mitigation agreements, major development
20 agreements we have entered into, to adju -- address
21 past and present development.

22 These are commitments that last many,
23 many years more, and in some cases, into perpetuity.
24 We continue to write a \$16 million check each year, in
25 perpetuity, to the city of Winnipeg as part of the

1 acquisition of Winnipeg Hydro fifteen (15) years ago.
2 These things don't flow through our net income to any
3 great extent, but they sure are cash, and they are
4 material. When you add that to the cash needs of the
5 business, the situation worsens further.

6 Finally, we think there are a few more
7 things you need to take into consideration sitting
8 here in December of 2017 to get the most accurate
9 picture of what your cash flow deficiency is. The
10 first is on account of Bipole III. The interest paid
11 line up above excludes all the interest on Bipole III,
12 which we capitalized to our balance sheet per the
13 accounting standard. But fundamentally, Bipole III is
14 a reliability asset that supports the current system.

15 Save for, really, an immaterial amount
16 of additional export revenue from reduced line losses,
17 we don't generate new revenues when Bipole III comes
18 into service, but its costs, as we know, are
19 significant. Moreover, Bipole III enter service
20 imminently. We expect to have it online next summer.
21 As far away as summer always feels like when you're in
22 December, in our business, it's not a lot of time. So
23 we think that even though the accounting rules tell
24 you to capitalize interest costs you're paying, if you
25 want to think about the burdens on your business and

1 what they really are, and whether your revenues are
2 sufficient, then in these circumstances, you best be
3 looking at the interest on Bipole III as well.

4 And finally, as it comes to
5 sufficiency, you need to think about whether your
6 revenues are repeatable. There we note that in each
7 of the last two (2) years -- actually, the last
8 thirteen (13) years -- and at least in our forecast
9 for this year, we have earned substantial revenues
10 from above-average water conditions. As a planning
11 matter, we simply can't assume that that repeats in
12 any analysis of our steady-state cash flow.

13 Adding all of that up, you'll find that
14 of late, we've been consuming between 300 and \$400
15 million a year simply carrying out the regular
16 operation and meeting the normal obligations of the
17 business. Our domestic revenues are in the order of
18 1.5 billion. So put another way, our current rates
19 are falling roughly 20 percent short of paying the
20 full costs of operating and maintaining the system in
21 the normal course.

22 Slide 20, please. Turning to our debt,
23 this slide should give us all pause. We have said a
24 few times that our debt is growing out of all
25 historical proportion to the size of our business.

1 Here's what we mean. This chart demonstrates our debt
2 per kit -- gigawatt hour of domestic load or
3 consumption, going back to 1990. In 1990, we had just
4 over two hundred thousand dollars of debt per gigawatt
5 hour of annual domestic load.

6 As you can see, we kept things
7 reasonably steady for a while, but then around 2008,
8 started really marching up. Things really take off
9 over the last couple of years as Keeyask and Bipole
10 III get rolling. But look where we go. We eventually
11 climbed to over \$1.1 million per gigawatt hour, and we
12 stay there under the 3.95 percent rate path, which is
13 what this shows.

14 So relative to the size of our
15 business, we are building to being roughly four (4)
16 times as indebted as we were immediately following
17 Limestone. We've added on here for interest where the
18 other Canadian Crown Hydro utilities are currently,
19 and you can see that we are already much higher and
20 will be multiples of their levels of relative
21 indebtedness as well.

22 Why do I compare it to domestic load?
23 Because that's who underwrites the liability of our
24 debt, meaning that's who pays if interest rates go up.
25 Every dollar of unplanned interest rate cost is going

1 to come back on the domestic ratepayer, and so
2 understanding how much leverage is being stacked on
3 our customers is vital to appreciating how vulnerable
4 the situation is.

5 Next slide, please, slide 21. This
6 chart is a similar story. Patti touched on this
7 earlier in her remarks. This looks at our interest
8 costs per dollar of domestic revenue. The dark blue
9 line at the bottom looks at finance expense. That's
10 what flows through our income statement. The top line
11 is overall cash interest, whether it is capitalized or
12 not.

13 Once the major projects conclude and
14 all of our interest flows through our income
15 statement, the lines intersect. What we are seeing is
16 a significant increase, even with the 3.95 percent
17 path of the proportion of each revenue dollar that
18 must go to interest.

19 Remember, this is where interest rate
20 volatility hits, so we are heading to having 60 or 65
21 percent of each domestic revenue dollar go to pay
22 interest costs. The other 35 percent, together with
23 the export revenues, go to actually run the business
24 and maintain the assets. It just isn't a lot of
25 wiggle room. Interest rates don't need to rise very

1 far before we have a big issue. Slide 22.

2 MR. KELVIN SHEPHERD: Thanks, Jamie.

3 We had to develop a new plan. Working together with
4 the Manitoba Hydro Electric Board, we developed a ten
5 (10) year plan to restore Manitoba Hydro's financial
6 sustainability and achieve key financial goals and
7 metrics. I recognize there's a significant change
8 from previous plans presented by previous Hydro --
9 Manitoba Hydro management. Those plans were also
10 directed by and approved by previous Manitoba Hydro
11 boards, plans that would have taken eighteen (18),
12 nineteen (19), twenty (20) or more years to restore
13 Manitoba Hydro's financial health. I want to address
14 this change because it's important.

15 The reality about these prev --
16 previous twenty (20) year plans is as follows. A key
17 constraint imposed on these plans was to keep rate
18 increases below 4 percent, even if that required the
19 financial strength of Manitoba Hydro to be materially
20 compromised. In all cases, a 3.95 percent rate path
21 requires that for the first ten (10) or more years,
22 you accept extremely low or even negative net income
23 and cash flow. So you're spending a decade or more
24 without making any progress whatsoever in addressing
25 an acute vulnerability to a range of business risks.

1 A decade is a long time. In any
2 business I've been around, forecasting ten (10) years
3 in the future, let alone fifteen (15) or twenty (20),
4 is very difficult, perhaps nearly impossible. So a
5 plan that has you walking down a tightrope of
6 essentially no net income until the early 2030s is
7 begging for trouble, especially when your outlook for
8 growth is as weak as ours has become. So in taking up
9 to twenty (20) years to deal with a serious problem,
10 you're choosing to take insufficient action upfront,
11 action that is required to be in the position where
12 you have some flexibility to make different choices as
13 the future unfolds.

14 Our previous plans relied to -- to far
15 too great an extent on nothing adverse happening over
16 a very long period of time. That's relying on hope.
17 Put another way, your financial strategy is to stay
18 lucky for a very long time.

19 The second issue is, it becomes a fair
20 question as to whether you are ever going to deal with
21 the debt problem outside of a crisis having set in.
22 If by chance, after twelve (12) years and having
23 increased rates every year by 3.95 percent,
24 cumulatively by over 60 percent, nothing bad has
25 happened, there will be a continued temptation to keep

1 putting off dealing with the acute risks of the debt,
2 which will still be there even after all those years
3 of rate increases.

4 THE CHAIRPERSON: Sorry, can I
5 interrupt, Mr. Shepherd?

6 MR. KELVIN SHEPHERD: Yes.

7 THE CHAIRPERSON: You -- you said that
8 there -- the key constraint was to keep rates below 4
9 percent. Was there a Board policy saying that rates
10 were to be below -- would not be higher than 4
11 percent?

12 MR. KELVIN SHEPHERD: So I wasn't here
13 when -- when those decisions were made, Mr. Chair, but
14 I can tell you I did have those discussions when I
15 first came to Manitoba Hydro with some members of the
16 board, and it was made very clear to me that rate
17 increases above 4 percent would not be contemplated by
18 the board.

19 And so I don't know if that was a -- I
20 wouldn't say there was a policy, but I would say
21 certainly from the board's perspective, there was a
22 constraint which they were not willing to go above in
23 terms of the rate requests they were asking for.

24 THE CHAIRPERSON: But from your
25 testimony, it sounds like -- excuse me -- the primary

1 consideration was the rate increase rather than sort
2 of the good financial practices or a proper financial
3 outlook.

4 MR. KELVIN SHEPHERD: The -- the rate
5 increase was a constraint imposed upon the financial
6 plan, and that definitely was a higher priority than
7 other aspects of the plan, yes.

8 THE CHAIRPERSON: Thank you.

9 MR. KELVIN SHEPHERD: In the Board
10 counsel's book of documents, there's an interesting
11 chart, page 147. It isn't Hydro's chart, but it
12 highlights the year that our minimum equity target of
13 25 percent is met, and each successive financial plan.

14 It clearly shows that with each passing
15 financial plan presented by Manitoba Hydro, the date
16 at which we meet our target moves further and further
17 out. We need to stop doing this, especially now that
18 our outlook for the business has deteriorated and the
19 risks and uncertainty in the electric power business
20 continue to increase. A twenty (20) year plan simply
21 does not work anymore.

22 We will shortly talk about the outlook
23 for our business, however, a key point is that our old
24 plans had all the expectation of continued growth as
25 an underpinning, growth and load, and growth in export

1 pricing. However, consecutive years of actual results
2 and each subsequent updated forecast have shown that
3 to be far too optimistic.

4 I think a twenty (20) year plan is far
5 too risky in any event, but at least if you think
6 you're going to grow, you have some support for a
7 period of inadequate financial strength. I don't
8 believe we have that luxury anymore. In short,
9 bluntly speaking, this old plan has failed. All of
10 the shortcomings of a twenty (20) year plan are
11 readily apparent in the deterioration of our business
12 outlook. Revenue growth has been elusive, and our
13 capital needs are much greater than anticipated.

14 If we could go back in time over five
15 (5), ten (10), or even fifteen (15) years with the
16 benefit of hindsight, we now know that we needed to
17 have increased rates more and done so more proactively
18 and earlier to build a stronger balance sheet before
19 taking on these major capital projects so as to avoid
20 the need for a higher level of rate increases today
21 and going forward.

22 We obviously can't go back in time, but
23 we can stop compounding the situation by no longer
24 putting off what needs to be done and by not relying
25 on overly optimistic forecasts or arbitrary regulatory

1 accounting choices to give everyone a false sense of
2 security.

3 So our new plan has the following
4 features: We have substantial accelerated our cost
5 reduction program to do everything we can to mitigate
6 rate impacts and run our business more efficiently.
7 We have accelerated rate increases into a shorter
8 period of time. This is really important to
9 understand. Whether we take ten (10) years or twenty
10 (20) years to address our financial state, rates have
11 to increase substantially. We can't avoid the
12 destination. At issue is how fast to get there.

13 In fact, our proposed path can lead to
14 lower rates, and certainly more stable rates in the
15 long run, and that's a better destination. Our plan
16 has us creating positive cash flow, meaning more cash
17 comes in than goes out to run the business. That lets
18 us take on less debt and then pay off a modest amount
19 of debt after Keeyask starts up.

20 The outcome, which we think is in
21 everyone's interest is that by reducing debt, we can
22 change the trajectory of future rate increases. Debt
23 we don't have is interest payments we don't have to
24 make, which, in turn, is revenue we don't have to seek
25 from our customers. By proactively reducing the

1 amount of debt incurred, we can ensure no matter what
2 the future holds that rates will be more stable and
3 relatively lower in the long run than if we take
4 twenty (20) years to address the simple fact that we
5 have too much debt.

6 Slide 23. We have and will continue to
7 attack our costs. Over the last three (3) years, we
8 have reduced our operational positions by over four
9 hundred (400). Over the next three (3) years, we will
10 further reduce headcount by nine hundred (900)
11 positions. We have taken huge steps already. Earlier
12 this year, I took steps to reorganize and streamline
13 our company, reducing my immediate executive team by
14 30 percent. We reduced our overall senior management
15 team by 25 percent, and by the end of January, over
16 eight hundred (800) employees will have left via a
17 very successful voluntary departure program which we
18 executed.

19 We're continuing to implement multiyear
20 initiatives in our supply chain, where we expect to be
21 able to drive up the 50 million a year out of our
22 annual spending via strategic sourcing and improved
23 purchasing practices. Over my career, I've had a lot
24 of experience successfully designing and implementing
25 cost restructuring programs. I can tell you that if I

1 thought we could do more aggressive staff reductions
2 in a shorter period of time, we would be doing more.

3 With these changes, we have a lot of
4 work to do to transform our company so that we can
5 continue to operate safely and provide reliable
6 service with 15 percent fewer people. I'm confident
7 we have the plans and leadership in place to make it
8 happen, but not to be missed is that we have taken
9 major steps, perhaps even unprecedented steps for
10 Manitoba Hydro, to aggressively reduce our cost
11 structure. That such dramatic cost reduction steps on
12 their own can't address our financial challenges is
13 indicative of the seriousness of the revenue capital,
14 and debt challenges we face.

15 In short, I don't believe we have a
16 fundamental operating problem. We have a capital
17 structure problem created by a massive capital
18 expenditure -- expansion funded entirely by debt,
19 which is not supported by our current rates.

20 Slide 24. Turning to rates, I wanted
21 to discuss the interim rate --

22 THE CHAIRPERSON: Sorry, we have a --
23 we have a question from --

24 MR. KELVIN SHEPHERD: Pardon me.

25 THE CHAIRPERSON: -- Ms. McKay.

1 BOARD MEMBER MCKAY: Just a quick
2 question. You use percentages on reduction in
3 executive and reduction in management, so is that just
4 a simple subtraction, nine hundred (900) minus the
5 eight hundred and twenty-one (821) positions to
6 determine those two (2) percentages?

7 MR. KELVIN SHEPHERD: The 15 percent,
8 if you look at nine hundred (900) positions over the
9 sixty-two hundred (6,200) positions that we had in
10 April of this year, is approximately a 15 percent
11 reduction. Through our voluntary departure program,
12 close to eight hundred and -- and twenty -- twenty-one
13 (821) positions will be eliminated. The vast majority
14 of those by the end of January and over the next
15 couple of years. Through attrition and some other
16 measures, we would expect to achieve the full nine
17 hundred (900) reduction. So nine hundred (900) out of
18 sixty-two hundred (6,200) is -- is where the 15
19 percent figure comes from.

20 BOARD MEMBER MCKAY: The 30 percent
21 reduction in executive, how many positions is that,
22 then?

23 MR. KELVIN SHEPHERD: There were ten
24 (10) -- ten (10) executive positions, and we reduced
25 three (3).

1 BOARD MEMBER MCKAY: And 25 percent in
2 management, roughly how many?

3 MR. KELVIN SHEPHERD: You know, I
4 would -- I would have to go check and get the actual
5 number, unless, Jamie, you know it off-hand.

6 MR. JAMES MCCALLUM: It's subject to
7 check. It would be in the range of forty (40).

8 BOARD MEMBER MCKAY: Thank you.

9 MR. JAMES MCCALLUM: And -- pardon me.
10 And of that forty (40), some would be included in that
11 eight hundred and twenty-one (821) number that -- that
12 Kelvin -- Mr. Shepherd referenced as part of our
13 voluntary departure program. We did have members of
14 the management team put up their hand for that
15 program, and we were able to, you know, move their
16 workload around and not -- not fill that position.

17 BOARD MEMBER MCKAY: Thank you.

18 MR. KELVIN SHEPHERD: So I think I'm
19 on page -- slide 24. So I -- I do want to discuss the
20 interim rate awarded August 1st, 2017, and our request
21 for a further increase on April 1st, 2018.

22 As you -- as you'll recall, we had
23 initially requested a 7.9 percent rate increase for
24 each of 2017 and 2018, assuming those to an initial
25 two (2) years of 7.9 percent increases, we then

1 projected a need for three (3) more years of 7.9
2 percent thereafter, followed by a return to roughly
3 inflationary levels of increases.

4 Order 80/'17 provided a 3.36 percent
5 rate increase at August 1st, 2017. You know, the
6 mathematical's -- mathematics of compounding are
7 pretty brutal when the numbers are so large. The 3.36
8 percent interim rate increase had the consequence of
9 pushing out the achievement of our ten (10) year plan
10 to fourteen (14) or fifteen (15) years. We are
11 committed to a ten (10) year plan based on our current
12 forecast for the business. Therefore, in order to
13 maintain our goal of reaching a 25 percent equity
14 capitalization by 2027, two (2) additional years of
15 7.9 percent increases are not required, followed by a
16 4.54 percent the year after that. The return to
17 inflationary increases is delayed from year six (6) to
18 year nine (9).

1 just makes the inevitable rate increases that much
2 harder to absorb. However, it's important to
3 highlight that, in actual fact, our future rate
4 increase requests will be determined in large part by
5 how the future unfolds.

6 So we understand that projected rate
7 increases are important as a guidepost of where we are
8 trying to get to. But we shouldn't lose sight of the
9 fact that, whether high or low, our forecasts are
10 likely to be wrong, at least in some degree. It's the
11 nature of forecasting, particularly in a business as
12 impacted by things beyond our control as ours.

13 We believe we must start building our
14 strength back up now. This is where the twenty (20)
15 year plan with relentless annual 3.95 percent rate
16 increases, which would lead to at least a doubling of
17 rates, fails, because we make absolutely no progress
18 in the first ten (10) years. A drought, or even just
19 lower water conditions, which we can never forget
20 about, or some other unforeseen event may slow our
21 progress, but if we have begun steps -- taken steps to
22 begin dealing with our problems earlier, we buy
23 ourselves the flexibility not to be trapped in a
24 corner and forced to take drastic short-term rate
25 action if things go differently than are forecasted.

1 Jamie...?

2 THE VICE-CHAIRPERSON: Mr. Shepherd,
3 can I just ask a question about this table before you
4 move on?

5 MR. KELVIN SHEPHERD: Sure.

6 THE VICE-CHAIRPERSON: So for 2016/
7 2017, under the old plan, you've got the three point
8 three-six (3.36), so that's the rate that was awarded
9 on August 1st, 2016. The request was 3.95 percent for
10 that.

11 MR. KELVIN SHEPHERD: M-hm.

12 THE VICE-CHAIRPERSON: But I am
13 understanding you to say, then, that Manitoba Hydro is
14 not asking that that rate be changed, that the three
15 point three-six (3.36) is as filed? Or could you
16 clarify what -- just -- just in terms of that rate
17 increase, because we -- we need to consider that one
18 in this hearing as well.

19 MR. KELVIN SHEPHERD: Yes, I think --
20 so first, I mean, we understand that, you know, the
21 panel, the Board has, if you wish, the opportunity to
22 go back and -- and adjust an interim rate. From a --
23 a practical perspective, it's difficult to -- to see
24 how to go back and really effectively increase an
25 interim rate from -- from our perspective.

1 So while it certainly something that
2 would be open for consideration, we've based our
3 forecasts and -- and our plan going forward on the
4 view that the interim rate of three point three-six
5 (3.36) is -- is what is in place, and we're seeking,
6 obviously, that to be affirmed along with requesting a
7 7.9 percent rate increase for April 1st.

8 So while certainly, we understand the
9 rate is interim, it could be adjusted. Simply from a
10 practical perspective, we've assumed that that rate is
11 -- is what it is, and we focus more on the go-forward
12 rates than -- than going back to the interims.

13 MR. JAMES MCCALLUM: Continuing on on
14 slide 25, I just want to touch on something pretty
15 important, which is clearly going to get a lot of
16 discussion over the course of this hearing. In
17 looking at our new financial plan, it was clear to us
18 that we needed significantly higher income and cash
19 flow in order to bring our debt down to a more
20 sustainable level in order to protect our customers'
21 long-term interests.

22 In looking at that expectation of cash
23 flow, we realized that we could use these higher cash
24 flows, after our major capital project spending
25 abates, to save our customers some interest expense.

1 Most of the time when you look at the capital markets,
2 you'll find that shorter term maturities -- that's
3 debt coming due in the nearer term -- has a lower
4 interest rate than debt with maturities that are a lot
5 further in the future.

6 Not different than if you go to your
7 bank and you'll generally find that a one (1) or a
8 three (3) year mortgage has a much lower rate than a
9 five (5) or a seven (7) year. This is known as the
10 term structure of interest rates, or the yield curve.
11 The amount by which shorter maturity bonds will have a
12 lower rate than longer maturity bonds changes all the
13 time. In fact, over the summer and fall, we've
14 whisked -- witnessed a significant flattening of the
15 yield curve where interest rates for three (3) and
16 five (5) year bonds shot up a fair bit, while longer-
17 term interest rates moved up much less dramatically.

18 So as we approached and proceeded
19 through this major period of capital investment,
20 Manitoba Hydro's borrowing strategy has been to focus,
21 relatively speaking, on borrowing for longer terms.
22 While we were sacrificing some potential savings,
23 overall, we were and are borrowing at very favourable
24 rates relative to history.

25 The risk management decision was

1 against a backdrop of financial plans with almost no
2 income or cash flow for a decade or more, that we
3 should not compound risks to ratepayers by introducing
4 too much refinancing risk into the equation. If you
5 instead use a lot more shorter-term debt maturities,
6 in the absence of income, you are guaranteed to have
7 to go back to the markets to refinance, and therefore
8 you're 100 hundred percent exposed if interest rates
9 have gone up in the meantime.

10 Our choice, and I think it was a good
11 one, was to lock in the rate on more of our debt for
12 longer periods of time. Homeowners who have a
13 mortgage payment that is right at the outside of what
14 they can afford will often be advised to take out
15 longer-term mortgages. They forgo saving a little bit
16 of money, but they're in a situation that's a bit of a
17 Pascal's Wager. They can't afford to be wrong and
18 have rates go up. Manitoba Hydro's in a similar
19 situation.

20 However, if we think we're going to
21 have earnings and cash flows, then there's the
22 opportunity to move some of our \$13.5 billion in new
23 borrowings and refinancing over the next five (5)
24 years to come due earlier. This is not risk-free. If
25 the cash flows don't show up for whatever reason, poor

1 water conditions, rising interest rates, soft export
2 prices, lack of rate increases, unexpected capital
3 needs, then we will have exposed ourself to even more
4 refinancing risk. But if we are reasonably confident
5 in the cash flows materializing, it is, in our
6 estimation, a risk worth taking for the savings
7 opportunity.

8 So our plan includes the assumption
9 that our new borrowings will have an average maturity
10 of twelve (12) years. In practical terms, we use a
11 mix of three (3), five (5), ten (10), and even thirty
12 (30) plus year bonds to arrive at that. Old plans
13 would have had an average maturity of twenty (20)
14 years.

15 So when we show the impacts of our
16 plan, or a 3.95 percent plan, just be aware that there
17 is an important difference in assumption. Our debt
18 management strategy is a key element of how we manage
19 risk in a period of high vulnerability. It would be
20 very, very unwise to shorten up our maturity schedule
21 when we are so vulnerable to interest rate volatility.

22 This hasn't changed. Regrettably, what
23 has changed, as I mentioned, is this yield curve.
24 While when we did our financial plan, this looked like
25 a \$500 million savings opportunity over ten (10)

1 years, based on the current yield curve, about \$250
2 million of that opportunity has, at least for now,
3 gone away. Slide 26.

4 THE VICE-CHAIRPERSON: Mr. McCallum,
5 can I just ask you to comment on the vulnerable --
6 vulnerability issue in the context of the provincial
7 debt guarantee?

8 MR. JAMES MCCALLUM: Vulnerability --
9 perhaps I could ask you to rephrase the question?

10 THE VICE-CHAIRPERSON: So there is a
11 provincial debt guarantee --

12 MR. JAMES MCCALLUM: Correct.

13 THE VICE-CHAIRPERSON: -- for debt
14 incurred by -- by Manitoba Hydro, correct? So you
15 talk about vulnerability because of the -- well, the
16 fragile position that you've described, and the
17 potential for changes in the situation, but there is
18 the debt guarantee. So how does that impact the
19 vulnerability that you speak of?

20 MR. JAMES MCCALLUM: Sure. Well, the
21 -- the debt guarantee fee is paid almost as an insuran
22 -- as an insurance premium to the Province of
23 Manitoba, which basically compensates the Province of
24 Manitoba for stepping up to the obligation to step
25 into our shoes and take on our debt to the extent we

1 can't support it ourselves. And so in so far as we
2 have that guarantee in place, it's really, you know,
3 kind of quite difficult for -- for Manitoba Hydro or
4 the Province of -- it's quite difficult for Manitoba
5 Hydro to default on its debt. All that happens is
6 that -- that Manitoba Hydro may not be able to service
7 the full extent of its debt, and the Province of
8 Manitoba would have to step in.

9 MR. KELVIN SHEPHERD: Jamie, Madam
10 Vice Chair, perhaps I -- I'm -- because I was
11 listening to your question, and I think where you were
12 going is we talked about this vulnerability period,
13 and -- and does the -- I think the essence of your
14 question was, does the provincial guarantee fee
15 somehow mitigate that work --

16 THE VICE-CHAIRPERSON: That's correct.

17 MR. KELVIN SHEPHERD: Yeah.

18 THE VICE-CHAIRPERSON: That's what I
19 was wondering.

20 MR. KELVIN SHEPHERD: And -- and the
21 vulnerability is really around the need to refinance.
22 So certainly, the provincial guarantee fee helps
23 ensure that we will be able to refinance it, and the -
24 - and, you know, we'll talk later about this, but in
25 my view, the -- the guarantee fee lets Manitoba Hydro

1 access debt that, given its current capital structure
2 and rates, might not otherwise be able to access.

13 That really depends on the -- the markets at the time.

14 THE CHAIRPERSON: But if -- sorry, if
15 I could follow-up on that, if -- if the situation for
16 the Province of Manitoba improves, and the situation
17 for Manitoba Hydro doesn't improve, you would get the
18 benefit of an interest rate based on the better Manito
19 -- Government of Manitoba rate.

25 MR. KELVIN SHEPHERD: That's -- that's

1 correct. We're -- we're not really totally in
2 control, because really, our -- our debt is raised
3 really through the Province and subordinated through
4 the Province.

5 THE CHAIRPERSON: Thank you.

6 MR. JAMES MCCALLUM: Yeah. Mr.
7 Chairman, you're -- you're raising a -- a vital point.
8 Really, we are susceptible to -- to the overall
9 condition of the capital markets. When we borrow
10 money through the Province of Manitoba today, if it
11 costs, call it 3 1/2 percent before the debt guarantee
12 fee, roughly 2 1/2 percent of that, or 2.2 percent of
13 that is in the form of -- of the way debt is priced as
14 on a Government of Canada -- who reference a
15 Government of Canada or sometimes a Government of
16 Ontario bond yield, and then there's a provincial
17 spread on top of that.

18 And all of these things move around for
19 all kinds of reasons, some relating to Manitoba, some
20 relating to Manitoba Hydro, some relating to -- to a
21 whole bunch of other things that have nothing to do
22 with what happens, you know, in this neck of the
23 woods. It's this total debt level that we're
24 concerned about, and what the overall rate, you know,
25 overall interest rates could do in the future and

1 where that will leave us and our customers.

2 So moving on to slide 26, please.

3 We're going to look at a comparison of net income
4 under our financial plan that's known throughout the -
5 - the evidence as MH16 update with interim, which is a
6 long handle, and I don't have a -- an acronym to offer
7 -- and the same plan using 3.95 percent rates. As
8 noted, our plan assumes utilizing this -- this more
9 aggressive debt terming strategy, while the 3.95
10 percent path uses our traditional debt management
11 strategy, consistent with an outlook for no cash flow
12 or income in the next decade, which you can see
13 clearly in that chart.

14 The Intervenors have produced a -- a
15 bunch of evidence relying on a scenario with 3.95
16 percent rate increases, but with twelve (12) year debt
17 terming. In our view, they've been wrong to do so.
18 The debt strategy doesn't exist, and won't be followed
19 if we have an expectation of higher -- if we do not --
20 do not have an expectation of higher cash flows in the
21 next five (5) or ten (10) years.

22 As you can see, the two (2) plans lead
23 to markedly different outcomes. The blue bars are
24 annual net income under our plan. They total about
25 \$3.8 billion over the next ten (10) years, or average

1 about \$380 million a year. That's obviously a
2 significant departure from where we've been late in --
3 in lately, but actually, in line with 2008, when we
4 made 346 million, or 2006, when we enjoyed 415 million
5 of net income, both on a much smaller business. The
6 amounts are significant. You need income if you are
7 ever going to generate the cash flow that you need to
8 pay down your debt.

9 The next ten (10) years are about
10 getting our debt under some control to take some of
11 the risk out of a perilous and unprecedented financial
12 situation. I say "unprecedented" for a reason. We
13 have seen and will undoubtedly hear lots more evidence
14 along the lines of, we've been here before -- we heard
15 that this morning -- and that so a slow and steady fix
16 to the balance sheet is the right answer again.

17 Coming out of Limestone and other
18 periods of major capital investment, Manitoba Hydro
19 did have a 5 or a 10 percent equity ratio, and nothing
20 bad happens -- happened, goes the argument. First
21 off, avoiding calamity once doesn't mean you will
22 again. But we have never been here.

23 After Limestone, we had \$4 1/2 billion
24 of debt. That was about ten thousand dollars
25 (\$10,000) of debt per customer. Today we have thirty-

1 five thousand dollars (\$35,000) of debt per customer.
2 We're heading to about forty-two thousand dollars
3 (\$42,000) of debt per customer, four (4) times higher.
4 That should make sense if we think back
5 to that debt per gigawatt hour of load chart. Now
6 let's look at what happened next back then, as
7 compared to what we would be planning to do if we
8 followed the 3.95 percent rate path. In the ten (10)
9 years after Limestone, we had net income of almost \$1
10 billion. Those are in then dollars, not even
11 adjusting for inflation over twenty (20) years.

12 That was earning -- earned operating a
13 business that averaged about \$5 billion of net plant
14 in service over that decade. It was earned operating
15 a business in a significantly higher rate interest
16 environment, three (3) to four (4) times higher, and
17 in a decade where we enjoyed above-average water
18 conditions in two (2) of the ten (10) years.

19 Let's turn to the 3.95 percent plan.
20 These green bars add up to a loss of 400 million for
21 the decade, including \$850 million of losses in the
22 last five (5) years, so a \$400 million loss in an
23 environment of multi-generationally low interest
24 rates, with the assumption of average water conditions
25 throughout, and rising export prices as an assumption

1 while operating a business with \$26 billion in assets
2 and plant in service.

3 So our business is five (5) times
4 larger. Our relative debt levels are four (4) times
5 greater, and we would propose to, instead of making
6 the 1 million -- 1 billion we did in the decade after
7 Limestone, instead, if things go well, lose 400
8 million. The suggestion we were in the same place as
9 we have been before is preposterous.

10 We are going to talk more about equity
11 and reserves, but for now, the message is we have to
12 plan. And again, this is a plan based on a view of
13 the future that is not without considerable
14 variability. But we need to plan to make an adequate
15 amount of money to manage our risks and start modestly
16 chipping away at an epic level of debt before we lose
17 the opportunity to do.

18 BOARD MEMBER GRANT: There -- Mr.
19 Chair, could I interrupt on this point?

20 THE CHAIRPERSON: Sure.

21 BOARD MEMBER GRANT: I know we're
22 going to talk about this financial stuff later, but I
23 don't want to fall behind for the first test.
24 Earlier, on page -- just so I understand this, on page
25 16 of your presentation, not that I want to go back,

1 when you say 'negative' -- you referred to negative
2 net income.

3 And now, are you taught -- I'm not sure
4 what you meant on -- in the context of page 16. Is
5 this -- we have positive net income today?

6 MR. JAMES MCCALLUM: Today and for
7 fiscal '18, we do anticipate positive net income of
8 \$30 million.

9 BOARD MEMBER GRANT: So on page 16 --
10 you used the header "Current and future rate
11 instability." There is negative net income. That's
12 looking forward as --

13 MR. JAMES MCCALLUM: Looking ahead to
14 the next decade cumulatively.

15 BOARD MEMBER GRANT: Okay. And so I
16 just want to -- I -- I think I'd appreciate the
17 difference between cash flow and a -- and an income
18 statement. But again -- my people are helping me,
19 here. Thank you, sir.

20 MR. JAMES MCCALLUM: I could hear you
21 okay.

22 BOARD MEMBER GRANT: The row -- the
23 rowdy roadies, here. I think you said on page 4 --
24 I'm just not sure if it was meant to be sort of a
25 casual shorthand, but the current rates are not

1 funding the ongoing costs of the current system. So I
2 hear a bal -- I hear an income statement there.

3 MR. JAMES MCCALLUM: M-hm.

4 BOARD MEMBER GRANT: Is that -- that
5 would not be correct, then. Am I misinterpreting
6 that?

7 MR. JAMES MCCALLUM: Yeah. I -- I --
8 our point of view is that on a cash basis, we don't
9 have enough rate revenue to meet our ongoing regular
10 needs. So an ongoing cost is a -- you're using that
11 in terms of a -- okay.

12 BOARD MEMBER GRANT: And just one (1)
13 other -- again this morning. Ms. Ramage said on page
14 3 that Manitoba Hydro does not have enough cash to pay
15 its operating expenses, interest expenses, and then
16 puts in -- manage its risks. Now, risk management, I
17 presume, refers to retained earnings for drought or
18 potential interest rate increases?

19 MR. JAMES MCCALLUM: Retained earnings
20 would be one (1) factor. I think we would look at
21 risk management a little more broadly, which would
22 include the expectation of using that cash flow to
23 reduce our debt, which reduces our risk, and having
24 the expectation of -- of income and cash flow such
25 that as risks present, be it drought or -- or

1 forecast, you know, forecast variance, that instead of
2 immediate -- immediately needing to -- to return to
3 the ratepayer, or -- or borrowing more money to -- to
4 fund our business, we have a cushion. We can absorb
5 these risks without necessarily needing to take action
6 or dramatic action quickly.

14 MR. JAMES MCCALLUM: Yes, there's --
15 the -- the major source of the differential would be
16 that in -- in our income statement, you'll see a
17 depreciation and amortization charge. And that's what
18 goes into, you know, the thinking around revenue
19 requirement.

20 And that depreciation and amortization
21 charge is quite a bit lower. It includes charges on
22 account of -- of our current asset base, and it
23 includes charges on account of some of these -- these
24 liabilities that we hold for the City of Winnipeg,
25 owing, you know, on -- on the -- the commitment to the

1 Winnipeg Hydro acquisition, or on some of our
2 mitigation and -- and major development liability
3 payments.

4 There is a -- a small piece that goes
5 through that depreciation and amortization. But when
6 you turn around and look at the actual cash we need to
7 spend to meet these commitments and meet the
8 commitments of -- of sustaining and -- and maintaining
9 the system, they're quite a bit higher. And that
10 leads to this cash gap.

11 BOARD MEMBER GRANT: And -- and last
12 point, I promise. The DSM would be an example of
13 that, where your -- the money is going out the door
14 today, but the cost is being amortized over several
15 years?

16 MR. JAMES MCCALLUM: DSM would be
17 another example, correct.

18 BOARD MEMBER GRANT: Thanks.

19 MR. JAMES MCCALLUM: I forgot where we
20 were.

21 MR. KELVIN SHEPHERD: Slide 27, I
22 think.

23 MR. JAMES MCCALLUM: Twenty-seven
24 (27). Okay, slide 27, please.

25 This next slide just shows another

1 comparison of our plan to the 3.95 percent plan. We
2 saw a fair bit of common ground in the -- in the
3 Morrison Park advisors report commissioned by the
4 Coalition and -- and MIPUG. I thought was actually a
5 very good, balanced piece of work, but I don't agree
6 with all of their conclusions, just to be clear.

7 But in -- in there, we take some
8 criticism from what's seen as a -- a sole focus on the
9 equity ratio, and without good reason. And the cash
10 flow should be our concern in measuring financial
11 health and rate adequacy. Our evidence actually shows
12 an enormous focus on cash flow, which somehow got
13 overlooked.

14 We will have a good debate on all that
15 in due course, I'm sure, but this chart simply shows
16 that the relationship between cash flow and improving
17 equity ratios. Under our plan, again in blue, we
18 generate net income and cash flow, and are able to end
19 2027 with \$4 billion less debt than under the 3.95
20 percent rate plan strategy.

21 Attaining an equity ratio is a function
22 of generating net income and/or reducing debt. With
23 improved net income generally comes improved cash
24 flow, which pays off that debt. So the two (2) work
25 together, which this chart shows. Under the 3.95

1 percent plan, we have negative net income and negative
2 cash flow. Consequently, the debt continues climbing,
3 even after Keeyask is on board, and the equity ratio
4 erodes even further until reaching 10 percent in 2026,
5 where, incidentally, it would stay until 2032. To my
6 knowledge, we have never put forward a plan like that.

7 Slide 28. So our plan starts attacking
8 the debt to take some of the risk off the Corporation
9 and its customers. This chart tracks debt to domestic
10 revenue. Again, the relationship of debt to domestic
11 activity is critical, as it is the domestic customers
12 who absorb 100 percent of the volatility that comes
13 from any of the risks that face our business,
14 including interest rates, water conditions, and export
15 prices.

16 Once again, you can see that since
17 Limestone, debt has grown out of all proportion to our
18 business activities. Our debt to domestic revenue is
19 already double historic norms, and triple our two (2)
20 Canadian peers who are Hydro generators. Our plan is
21 more aggressive in bringing this relationship back
22 toward where it was -- it was before the build program
23 began, but will still leave us with levels of debt, on
24 a relative basis, 30 percent above where we were from
25 1990 to 2010.

1 The 3.95 percent path doesn't do nearly
2 enough, while the denominator in the equation, that
3 being domestic revenue, goes up on the back of 47
4 percent worth of rate increases over a decade. A lack
5 of income and cash flow means there's no progress
6 whatsoever on the debt.

7 MR. KELVIN SHEPHERD: Pardon me.
8 Slide 29. Thanks, Jamie. Now, to draw this together,
9 what does our plan achieve? First, I would say this
10 is not a plan that, over ten (10) years, even should
11 everything unfold according to the financial model,
12 puts us in a position of great strength. Manitoba
13 Hydro will still be a highly leveraged company by any
14 standard, including a comparison to our own history.
15 With this new plan, we will still have \$21 billion of
16 debt with all the consequent rate risks that go with
17 having that much debt in comparison to our domestic
18 business, but we will have avoided 4 billion of debt,
19 which means we will be avoiding over 200-\$250 million
20 a year of more interest costs.

21 Debt we don't have represents a reduced
22 risk to our customers and improved rate stability and
23 certainty. Depending on the future state and
24 investment needs of our business, having reached an
25 acceptable level of financial strength, we will have

1 the potential ability to return to our customers the
2 benefit of this work in the form of substantially
3 lower rate increases going forward, or perhaps even to
4 consider rate decreases. Meanwhile, if we stick to
5 the old failed twenty (20) year plan, we will find
6 ourselves with nine (9) or ten (10) more years of 4
7 percent rate increases, pushing overall rates to well
8 over double where we sit today.

9 Slide 30. This slide provides an
10 illustration of just that, showing how our new plan
11 provides the potential flexibility for lower rates
12 once financial strength is restored. Again, this is
13 simply an example of the powerful benefits of coming
14 to terms with our unsustainable debt and taking action
15 to reduce debt and debt service costs.

16 What ends up being appropriate in terms
17 of rate action ten (10) or fifteen (15) years from now
18 will be a function of events between now and 2027, but
19 it goes to show you how dramatically different the
20 future can be where the only difference is the time
21 taken to restore our financial health. The long-term
22 interests of our customers and the economy is served
23 by taking steps today to bring our debt back to levels
24 that allow us to absorb risk.

25 Slide 32. We're moving into a

1 discussion of our risks. So what risks do we face?
2 Well, we have a lot of them, which Jamie will
3 elaborate on shortly. Along with a rapidly changing
4 regulatory environment, and by regulatory, I'm not
5 necessarily talking the Public Utilities Board. I'm
6 talking environmental and federal regulation, and the
7 overall industry that -- that we're in. So that is
8 changing rapidly. We have rapidly changing
9 technological and economic environment. These risks
10 are a major part of what makes forecasting such a
11 challenge.

12 Our risks are not theoretical. Every
13 single one of the things that we worry about and
14 suggest we ought to plan for is something we have seen
15 happen before. We have had below-average water
16 conditions. We've had droughts. We have had export
17 prices defy rebound projections. We have had domestic
18 load growth slow. We've had capital investment needs
19 go up. We've had interest rate volatility.

20 The risks we talk about are not remote
21 or implausible. We don't know which, when, or how
22 severe each one will present, or worse, if a few of
23 them will present concurrently, but we can be pretty
24 sure one (1) or more of these risks will materialize,
25 even in the near term, let alone the longer term.

1 No other major hydroelectric utility
2 has the volatility in water conditions we face, nor
3 does anyone else have such a small reservoir relative
4 to their operations. Our exposure to mother nature in
5 that respect is quite extreme.

6 By just about any measure, we are
7 heading towards having more debt than almost anyone
8 else in our industry, and certainly more debt relative
9 to the size of our business than potentially we have
10 ever had. The argument goes that as a hydroelectric
11 generator, you have long-lived assets, and you're not
12 exposed to fuel price volatility the way coal or a
13 natural gas-fired utility would be.

14 And that's true in part, but financing
15 ourselves in such an extreme way, we are replacing
16 commodity price volatility with interest rate
17 volatility. We can't borrow at a fixed rate for the
18 seventy (70) or a hundred years our generators are
19 expected to last, so we are perpetually exposed to
20 interest rate risk, all of which is borne by a
21 relatively small customer base.

22 Our export business has been of huge
23 value to keeping rates low for Manitobans, but having
24 such a heavy reliance on it means we are exposed to
25 the risks that pricing doesn't go up like the previous

1 management and Board had hoped. We've seen this for
2 the last seven (7) or eight (8) export price
3 forecasts. This risk increases after we bring Keeyask
4 into service, when we will have more energy to sell
5 into export markets -- unless more susceptibility to
6 weak pricing and/or the inability to sign or extend
7 long-term contracts at premium prices.

8 Last, but most certainly not least, our
9 major capital projects, principally Keeyask and Bipole
10 III, but not to overlook our US tie-line project. We
11 are working to bring these projects in or -- in on or
12 ahead of schedule, and below or at current budget
13 estimates. Our financial forecast has both cost and
14 revenue dependencies tied to completion of these
15 projects.

16 We look forward to the report of the
17 Board's independent expert MGF to hear their
18 assessment. However, it cannot be understated that
19 these are massive and complicated megaprojects, and
20 there remain real risks of cost escalation or schedule
21 delays. In particular, with Keeyask, we were almost
22 four (4) years from first power, and six (6) years
23 from full completion. Our current budget estimate is
24 what is known as a P50 or 50 percent probability
25 budget. Although I have tremendous confidence in and

1 respect for our project teams who are working
2 extremely hard and diligently, the potential for
3 increased capital costs is a risk that at least needs
4 to be considered in our financial plan.

5 Jamie...?

6 MR. JAMES MCCALLUM: Slide 33. I
7 think I'll try to pick up the pace a little bit to get
8 through -- through these risk slides, if I can.

9 This chart depicts our -- our water
10 flows over the last, I believe it's a hundred and five
11 (105) years, maybe hundred and ten (110) years. As
12 you can see, extremely volatile. I will perhaps just
13 point out that in -- and -- and it -- it can also
14 change quite quickly. You can see that, in roughly
15 2003, we had water flows at about 60 percent of mean,
16 and two (2) years later, we had what remains our --
17 our record.

18 I think what I'll steer you towards the
19 right-hand side of the page, where you can see -- and
20 -- and I can tell you that's fourteen (14) years --
21 that we've had fourteen (14) consecutive years of good
22 water. We're grateful for that, but perhaps when
23 coupled with a decade of continuously lowering
24 interest rates, it's helped to obscure the acute
25 inflation of risk that has been happening here. If

1 water conditions are a coin flip, and we don't know
2 they are, the impacts of climate change are unclear.
3 I'm sure there will be an opportunity to -- to talk
4 more about this, but, you know, some of our evidence
5 will be that -- that water conditions are likely to
6 get more volatile. But if they are a coin flip, the
7 odds of flipping heads fourteen (14) times in a row is
8 about 16000:1. That said, once you've done it, the
9 odds of the 17th time are 50/50.

10 We don't know what's going to happen
11 next year. Less than six (6) months ago, nearing the
12 end of the first quarter, we thought we were going to
13 make \$90 million extra from water conditions this
14 year, after the -- starting the year with extremely
15 high reservoir levels and having very high spring
16 runoffs. That extra income from high water levels we
17 were anticipating would cause a hundred percent of our
18 net income this year after adjusting for the impact of
19 the interim rate order in August.

20 So put another way, with average water
21 conditions, we would've expected to make zero. That
22 was in June, when we prepared our updated financial
23 forecast in advance of the interim hearing.

24 Over the summer, it was particularly
25 dry in the Saskatchewan River, and -- and throughout

1 our -- our watershed. Inflows and reservoir levels
2 dropped dramatically, meaning opportunity export --
3 meanwhile, opportunity export prices remained barely
4 above last year's level, and well below our forecast.
5 And so almost \$60 million of that increment --
6 incremental or excess net income evaporated, no pun
7 intended.

8 Thankfully, fall precipitation has been
9 fairly normal, but it goes to show you how quickly
10 this can all turn, and that's the message. We can't
11 rely on it. We can't hope to keep repeating what has
12 happened since NFAT, what's happened for fourteen (14)
13 years.

14 From NFAT, or from the end of 2014 to
15 the end of 2017, virtually all of the growth in our
16 retained earnings, our equity, in other words, our net
17 income for those three (3) years, came from unexpected
18 contributions from above-average water conditions.

19 Slide 34. I spoke to this, but just by
20 way of update to the Board, when we published our
21 second quarter report in early November, we updated
22 our forecast. For our electric segment, we have seen
23 a \$63 million drop in our outlook for test years' net
24 income. When we prepared MH16 update with interim --
25 still don't have a -- an acronym -- in response to the

1 rate order and in order to respond first round
2 information requests, we were forecasting \$93 million
3 of net income in this 2017/'18 year. We now estimate
4 that to be \$30 million, a decline of almost 70
5 percent. Almost all of this drop is caused by poor
6 water inflow conditions over the summer and
7 opportunity export prices that continue at levels
8 unchanged from last year, or as our forecast had
9 appreciate -- had anticipated appreciation.

10 Slide 35. Looking ahead to next year,
11 which begins in only four (4) months. This shows our
12 exposure -- our net income exposure -- or net export
13 revenue exposure, pardon me, to water flows. So in a
14 year that starts four (4) months from now, we are
15 anticipating -- and this is updated for -- for the
16 water conditions that transpired this summer, we are
17 anticipating roughly \$200 million contribution from
18 our export business, net of water rentals and fuel and
19 power purchased.

20 What you can see here is that this is
21 not very far away, and we have a huge amount of
22 exposure. There is roughly a \$500 million potential
23 variance from top to bottom in terms of what the
24 export business will actually contribute next year.
25 If water flows between then and now are in drought

1 condition, we would have a negative \$200 million hit
2 to our -- our net income.

3 If water flows are -- are, you know,
4 kind of on a record basis, the \$200 million we are
5 anticipating moves up \$100 million to 300 million.
6 You can see the risks asymmetric meaning that water
7 flow conditions hurt us much more on the way down than
8 they do on the way up.

9 I think, though, what we would say is
10 that we would be wise to kind of take what happened
11 this summer and what it did to our 2017/18 anticipated
12 net income as a little bit of a warning. An example
13 of why we should be very cautious with how much we can
14 rely on what, ultimately, is a natural phenomenon.

15 The Board also needs to be aware that
16 our financial forecast relies on appreciating
17 opportunity export prices. We're not anticipating
18 those prices to appreciate as much as we had in the
19 past, but they're still in the plan heading upward.
20 Each of the last plans have said that; each time it
21 hasn't happened yet.

22 But, if you look forward nine (9) or
23 ten (10) years from now roughly \$90 million of our net
24 income will be coming from the rise in export prices
25 from today's level; that's significant to our plan.

1 Taking the 3.95 percent path, it's the difference
2 between losing \$200 million a year in 2027 and losing
3 \$300 million a year.

4 Slide 36, please. Finally and just
5 briefly on interest rates, in the sensitivity analysis
6 we produced drought emerges as the biggest financial
7 risk. A five (5) year dry spell costs us well over \$1
8 billion. But in my mind, given our debt levels it's
9 actually the interest rates that are the true iceberg.

10 Under our plan, or what I'll call a
11 competing theory of 3.95 percent rate increases, but
12 with a very risky debt terming strategy in light of
13 having no expectation of income and negative cash
14 flow, we will need to go to the markets for somewhere
15 between 19 billion and \$23 billion over the next ten
16 (10) years; roughly 14 billion of that in just the
17 next five (5) years.

18 So over the next decade we are
19 borrowing new or refinancing virtually all of our
20 debt. Depending on how fast rates moved, and it's
21 worth pointing out that the five (5) and ten (10) year
22 bank of Canada rate is already above what we had in
23 our forecast for fiscal 2018, a 1 percent rate
24 increase versus our plan could be costing the company
25 upwards of \$200 million per year by the end of the

1 decade, depending on how fast the interest rates rose.

2 And that keeps going and going into the
3 next decade. A drought presumably at least has an
4 end. If you get on the wrong side of a cyclical
5 change in interest rates, there's just no telling how
6 much damage will get done.

7 THE VICE-CHAIRPERSON: Mr. McCallum,
8 can I just -- sorry, can I ask you to clarify on that
9 -- you said you need to go to the markets for between
10 19 and \$23 billion over the next X number years, but
11 that's not all going to be new borrowing. Like, there
12 must be some that's already in place that -- that you
13 would have at -- in predetermined interest levels?

14 MR. JAMES MCCALLUM: Over the next ten
15 (10) years, you will need to go to the market -- first
16 over the next five (5) years we're going to need to go
17 to the market for about \$8 billion of new financing;
18 that's basically to fund the completion of these major
19 capital programs and run our business.

20 There's an additional \$5 1/2 billion
21 which is refinancing existing debt that we have today
22 as it comes due over the next five (5) years. It's
23 scheduled. And likewise, if you take what we have
24 kind of -- the debt we have today, and its maturity
25 schedule over the next ten (10) years. And that's

1 where this -- this discussion or decision around our
2 terming strategy becomes important. That \$8 billion
3 we know we have to borrow. If we start borrowing that
4 money on three (3) and five (5) year kind of
5 maturities that too will fall into this ten (10) year
6 window.

7 And so, there are elements of our -- of
8 our -- of our debt portfolio which extend well beyond
9 2027. But in the main, and this -- this depends on
10 the debt terming strategy you take and your
11 expectation of cash flow, but in the order of \$19 to
12 \$23 billion, we're going to need to go to the market
13 for either as new funds or to refinance existing debt.

14 THE VICE-CHAIRPERSON: Thank you.

15 MR. KELVIN SHEPHERD: It's almost the
16 entirety of our debt portfolio.

17 MS. PATTI RAMAGE: Mr. Chair, before
18 we carry on, Mr. McCallum and Mr. Shepherd are
19 switching off your having to listen to constant -- to
20 them constantly. We're open to if you'd like a five
21 (5) minute break, or if you'd like to keep going, we
22 look to your direction on that.

23 THE CHAIRPERSON: I think we're into
24 negotiations up here as to the -- we'll take ten (10)
25 minutes right now.

1 --- Upon recessing at 2:35 p.m.

2 --- Upon resuming at 2:54 p.m.

3

4 THE CHAIRPERSON: Okay, if we could
5 resume. If we could maybe pick it up a little, we'd
6 like to be finished a little over an hour and starting
7 crossly so we can keep to the schedule.

8 MR. KELVIN SHEPHERD: We'll do our
9 best, Mr. Chair.

10 THE CHAIRPERSON: Thank you.

11 MR. KELVIN SHEPHERD: Slide 38,
12 there's a number of really important themes we regard
13 them as facts which we'll keep coming back to
14 throughout this hearing.

15 When you cut through all the detail,
16 the minutia, the noise and take a step back, there
17 emerge just a few critical observations which we will
18 -- believe will help inform the right rate decision.

19 The first is unequivocally and
20 undeniably our business outlook has deteriorated since
21 it was last reviewed with the Public Utilities Board.
22 This chart shows our outlook for domestic load growth.
23 The yellow and green lines show our outlook for the
24 last two (2) integrated financial forecasts. MH14
25 would've underpinned the last full General Rate

1 Application while MH15 would have been reviewed as
2 part of the 2016 interim rate process.

3 The dark blue line represents our
4 current load forecast. Our current expectation is
5 that net of our existing demand-side management plans,
6 we will see no net load growth for ten (10) years.
7 We'll see a decline in the next four (4) to five (5)
8 years followed by an increase to just get us back to
9 where we've started.

10 This forecast is increasingly looking
11 optimistic. Since we submitted this financial plan in
12 July, a major customer project in the energy sector
13 that was in our plans starting in 2021 has been
14 cancelled. Just the loss of this project pushes us to
15 almost 2030 before we'll see net growth. The province
16 of Manitoba has enacted legislation to create
17 Efficiency Manitoba.

18 The legislation sets out efficiency
19 goals for DSM programming that generated 22.5 percent
20 reduction in electricity usage over fifteen (15)
21 years. Our current DSM plan, that is reflected in
22 this forecast, assumes achievement of a 17 percent
23 reduction, and includes DSM programming costs
24 associated with achieving only 17 percent.

25 The incremental impact on net load

1 growth of achieving legislatively mandated targets
2 would be to push the point at which we simply return
3 today's low level all the way out to 2035.

4 Finally, our rates are set in units of
5 demand and usage. Our rate increases are expressed in
6 percentages. Not to be lost as we record our actual
7 revenues in dollars, a substantially reduced load
8 arose the revenue impact of the same percentage
9 increase in rates. So if you look out to 2026 or
10 2027, you can see that there is about a 2000 gigawatt
11 hour difference in our expected load from our MH-15
12 projection.

13 Regardless of the rate path taken to
14 generate the same revenue dollars that year, we would
15 need about 9 percent more in rates than we would have
16 if the load were higher.

17 Slide 39. Turning to our export
18 business, we've also seen dramatic erosion in our
19 outlook. This continues a pattern seen since the
20 market for electricity collapsed in 2008 and 2009
21 amidst the global financial meltdown.

22 The chart demonstrates our price
23 forecast in successive financial plans. For
24 competitive and commercial reasons we blend our
25 contracting opportunity pricing. This understates the

1 impact of declines in the outlook for opportunity or
2 spot market pricing. The decline in forecast
3 opportunity pricing between our 2015 export price
4 forecast and our 2017 export price forecast is
5 expected to cost us almost \$170 million per year by
6 the time Keeyask is fully on-stream in 2023/24.

7 However, it should be noted that we are
8 still forecasting price appreciation, notwithstanding
9 seven (7) or eight (8) years now of essentially flat
10 opportunity pricing. So, that's quite an assumption.

11 By 2026/27 if prices haven't materially
12 improved, our forecast will be upwards of \$100 million
13 per year too high. Bear in mind, we may net income of
14 only \$33 million last year and expect we will only
15 make \$30 million this year.

16 Slide 40. I spoke about Keeyask
17 already, but I'll just say it again, it's a massive
18 complicated project that is a long long way from
19 finished. Our risk of still experience additional
20 cost overrun increases is real. With an \$8.7 billion
21 project measured against the business with about 1.5
22 billion of domestic revenue, small percentage changes
23 in the project cost can reflect through our revenue
24 requirement quite significantly.

25 For example, if there was a further \$1

1 billion increase in capital cost, it would add \$60 to
2 \$70 million per year to our costs without any
3 offsetting revenues. Importantly as it comes to the
4 question of whether our business outlook has
5 deteriorated since our last full rate process, the
6 Keeyask control budget has increased by \$2.2 billion,
7 or 25 percent.

8 Slide 41. Bipole III is also increased
9 by \$400 million since our last rate process. Our
10 confidence level in the \$5 billion cost estimate is
11 quite a bit higher in this project since it's far
12 advanced construction is well along and, in fact,
13 we've began some commissioning work on the HVDC
14 converter stations.

15 Bipole III is expected to come into
16 service in just over nine (9) months, but it should be
17 noted that hereto we have seen a material budget
18 increase over previous forecasts and as we finish
19 construction and enter a very complex commissioning
20 phase, we're still a degree of schedule and cost risks
21 remaining. However, we do expect Bipole III to be
22 fully in service next year. And that's important to
23 our financial plan; a significant new operating cost
24 will start to flow under our income statement and this
25 reinforces the necessity of obtaining the 7.9 percent

1 rate increase on April 1st.

2 Slide 42, and I'll turn it over to
3 Jamie.

4 MR. JAMES MCCALLUM: Thanks, Calvin.

5 So to sum up, the comparison of our new financial
6 outlook using the old 3.95 percent rate trajectory
7 versus MH15, which would've been the financial plan
8 reviewed during the 2016 rate process before this
9 Board, revenue is down \$3 billion; roughly 50-50 split
10 between export and domestic.

11 Net income over the next decade has
12 gone from a forecast under MH15 of \$600 million to a
13 negative \$400 million loss; that's a \$1 billion
14 decline. And debt will be \$3.2 billion, or 15 percent
15 higher at the end of 2027.

16 The equity ratio which had been
17 forecast to reach 14 percent at the end of 2027, we
18 anticipate, if all went to plan and we stuck to this
19 3.95 percent rate path, the equity ratio would've
20 deteriorated to 10 percent.

21 Slide 43, please. As bad as that looks
22 this actually understates the erosion. MH15 didn't
23 count on \$87 million of additional net income that was
24 earned from high water conditions last year. MH16 in
25 comparison is overstated by 78 million in that it

1 assumes water conditions from this fiscal year
2 impacting this year's results and next year's that as
3 of now we don't think are going to occur. In fact,
4 we've already seen the -- the results of that.

5 And most importantly, MH15 and MH16
6 have two (2) different in-service dates for Keeyask.
7 So when comparing an eleven (11) year period, you've
8 got one where you have Keeyask operating for twenty-
9 one (21) months more than the other one; that's pretty
10 material, particularly because -- and we've shown this
11 in tab 2 of our application, Keeyask we anticipate
12 being a -- a net detractor to our financial position,
13 our net income for a considerable period of time,
14 decades even based on the current outlook for its
15 costs and -- and the revenues that will flow off of
16 that.

17 I'll pause here just because important
18 to be clear, Keeyask is going to have that detrimental
19 effect. Its revenue won't really even come close to
20 covering its incremental costs, including
21 depreciation. We've heard this morning that we need
22 to be measured in absorbing Keeyask and the impact
23 Keeyask because its payoffs will be such as if they
24 were for Limestone, you know, enjoyed over the long
25 term. I think we have to pause and wonder how long

1 that term is going to be and on the current outlook,
2 it's -- it's going to be a long, long, long time
3 before Keeyask is needed for domestic use. And before
4 Keeyask is in a position where it's really able to --
5 to generate coverage of its costs.

6 So I think we have to -- to start
7 considering that ratepayers will need to -- to start
8 bearing the cost of carrying this asset and this
9 excess capacity.

10 THE CHAIRPERSON: Sorry, Mr. McCallum,
11 so when is Keeyask needed? You're saying it's a long,
12 long time. What's the projected date that it -- that
13 it's required.

14 MR. JAMES MCCALLUM: Well, the -- the
15 projected date Keeyask will start filtering into
16 servicing and it's -- it's a system of course, but the
17 incremental energy from Keeyask will be needed
18 domestically, we think, in the 2033 to '34 timeframe,
19 which would mean -- and then as the business grows
20 into and absorbs Keeyask, it's kind of the early --
21 it's 2040 or just beyond that we're, you know, looking
22 at the next need but I would say, you know, a couple
23 charts ago, Mr. Shepherd talked about, you know,
24 reductions in -- in load growth owing to an already
25 known cancelled project owing to the potential for

1 Efficiency Manitoba. We're not sure.

2 THE CHAIRPERSON: Okay, but your
3 comment was, Keeyask, it's a long time before it's
4 needed for domestic use. When is it needed for
5 domestic use?

6 MR. JAMES MCCALLUM: Under the current
7 load forecast 2033 it begins.

12 MR. KELVIN SHEPHERD: Subject to just
13 check, I think it's close to 900 million higher than
14 the control plan.

15 THE CHAIRPERSON: So 8.7 plus nine
16 hundred (900)?

17 MR. KELVIN SHEPHERD: 9.6 billion,
18 yeah.

19 THE CHAIRPERSON: Thank you.

20 MR. JAMES MCCALLUM: So, again, back
21 to this twenty-one (21) month delay if you put things
22 on more of an apples-to-apples basis, we estimate that
23 the MH16 net income would be \$750 million worse over
24 the eleven (11) year period if both comparisons had
25 the same in-service date for Keeyask.

1 Taken altogether, the net income
2 deterioration between MH15 and MH16 is in the order of
3 \$1.8 billion or 300 percent. We've seen a lot of
4 Intervenor evidence that there's been no
5 deterioration. There's just simply no basis for that
6 assertion. The numbers are stark and the conclusions
7 inescapable.

8 Slide 44, please. Net income is only
9 part of the story. First, I want to differentiate
10 between the net income we've reported and what I would
11 regard as normalized income. And perhaps in the
12 interest of time, I'll -- I'll try and skim over this
13 a lot more quickly, but we -- at the top of the chart
14 you can see our -- our net income; that being -- the
15 net inc --income attributable to Manitoba Hydro over
16 the last three (3) years and -- and forecast for 2018.

17 In 2017, we had a nonrecurring gain
18 which when you come to think about your normalized go
19 forward net income, you need to -- to look at those in
20 a certain way. This is, I fear, kind of losing the
21 plot here a little bit on -- on some accounting nuance
22 but there is a phenomenon of sorts that occurs under
23 the accounting policies that really has you
24 capitalizing interest on the Bipole project at a
25 higher rate than you're actually paying on the new

1 debt you incur which is -- we can spend as much time
2 on this as the panel wishes but -- but it -- it really
3 results in a bit of a phenomenon of taking out of your
4 interest expense more interest than you're -- you're
5 adding to it in the form of the interest on your new
6 borrowings and it creates a phenomenon of boosting
7 income in -- as the project is -- is underway.

8 And -- and the reason the phenomenon
9 exists is because interest rates have been declining
10 over the course of the -- of the project. I hope I
11 haven't lost everybody on that.

12 Above-average water, again, when it
13 comes to what is sustainable, we think you need to --
14 it's happened. It's great. It's in our retained
15 earnings, and most importantly it's -- it's
16 contributed to -- to mitigating debt growth, but
17 assuming it's going to happen again is probably --
18 probably not the right frame of mind.

19 And finally, we've got this adjustment
20 to our current outlook in 2017 and '18 based on what
21 we've seen happen year to date.

22 And finally, not to be left out, is
23 we've been making -- not insignificant expenditures in
24 this year and a touch last year in order to enable and
25 implement the cost restructuring activities that are

1 underway at Manitoba Hydro and those won't repeat into
2 the future and so we've added those backs.

3 So when you kind of make those
4 adjustments you -- you see a picture that goes from
5 looking like you've made -- you're kind of rolling
6 along making roughly \$300 million in aggregate over
7 the last four (4) years to really a picture where, you
8 know, on a normalized basis, you've lost in the order
9 of \$100 million.

17 So why is net income so different from
18 cash flow? I think Dr. Grant -- Board Member Grant
19 got -- got to some of these questions earlier, but, to
20 get to net income you -- you deduct an expense for
21 depreciation and that's meant to be a proxy for the
22 annual cost of all the capital assets you have
23 employed to keep the business going and meet your
24 customers needs.

25 And depreciation expense goes into

1 revenue requirement. But depreciation expense is
2 calculated based on historical cost. As Calvin
3 mentioned, a lot of our assets date back to the 1950s
4 and '60s, many more even further. So what we paid for
5 those assets in, say, 1930 or 1950 or 19 -- in the
6 1970s in the case of, you know, a big chunk of our
7 generating plate is a lot different than what it cost
8 to replace these assets using today's dollars as they
9 fail or as they need to be replaced.

10 This difference has been in the order
11 of \$150 to \$200 million a year for -- for quite a
12 while. We also have a big basket of payments we're
13 committed to; many of them contractually so which
14 barely impact our income statement and, therefore,
15 revenue requirement. We talked about these: DSM,
16 payments for mitigation, payments on liabilities, on
17 past development, payments to the City of Winnipeg.
18 All of these add up to roughly \$200 million a year.
19 Some are increasing. A lot of them go on for a really
20 long time, and others are perpetual. So we think we
21 have to be thinking about these in any discussion of
22 revenue adequacy.

23 Slide 46. So this is, in a nutshell,
24 our -- our cash flow problem, and again, turning back
25 to the 3.95 percent rate path, you can see in the

1 chart on the left that over the next ten (10) years we
2 would be kind of setting ourselves up to be cash flow
3 negative running -- running the business every year
4 except for one.

5 On the right - and I'll just focus on
6 the blue column which is the sum of all these points
7 in the chart on the left - it's \$1.1 billion. This is
8 how much we borrowed to run the basic operation over
9 the next ten (10) years; meaning that the ratepayer of
10 2027 will be saddled with an additional 50 or \$60
11 million a year of interest, if not more, just to fund
12 the debt this generation rang up by not paying the
13 full freight. That's ignoring whatever comes of the
14 \$25 billion in debt we will have done nothing to
15 address over this next ten (10) years under the 3.95
16 percent rate plan.

17 Slide 47. Changing gears, we -- we
18 wanted to flag equity ratio. It's received a lot of
19 profile in these proceedings, and it should. We think
20 it's important to set out in a financial plan -- set
21 out on a financial plan with a clear view of where you
22 are trying to get to. The rate increase trajectory
23 clearly forms an integral part of that.

24 Manitoba Hydro has traditionally
25 focused on three (3) financial targets. I will say,

1 having spent really my entire career analysing
2 companies and markets, that a debate about what
3 financial targets are best is really going to be quite
4 difficult to resolve. There are literally dozens of
5 metrics each with their proponents, each with their
6 merits, each with their limitations.

7 And frankly, for all the blinding pages
8 of numbers - and I'm guilty of showing you more today
9 - there's considerably more art than science to a lot
10 of this. The people I've seen do better at making
11 complex decisions, managing businesses or investing
12 are the ones who don't let a spreadsheet override
13 common sense and accumulated wisdom.

14 So with that caveat, we thought it was
15 important to maintain some consistency with the
16 metrics the Company has reviewed with this Board in
17 the past, and obviously reports on regularly.

18 Of our three (3), in our view, the
19 equity ratio is by far the best indicator of whether
20 we are making progress on rate adequacy,
21 sustainability and risk. The real issue and Morrison
22 Park in their review touches on this too, is that our
23 capital coverage and interest coverage ratios are
24 incomplete. They don't capture all of the cash
25 burdens facing Manitoba Hydro, even excluding the

1 impacts of Keeyask or the US tie-line and that's a big
2 issue.

3 More importantly, equity ratio works
4 because its inverse is an indicator of debt and debt
5 is our central problem. But perhaps I'd just like to
6 take a minute to touch on what equity is and what it
7 is not. It's not cash. It's really important. It is
8 not cash. It's not a cash reserve. It's not a rainy
9 day fund squirreled away that we can draw from to
10 mitigate rate impacts during a drought or other
11 adverse event.

12 When those things happen if we do not
13 have income or cash flow at that time, we will be
14 borrowing yet more money or raising rates, or both, to
15 fund our business. Equity represents debt avoided.
16 But for Manitoba Hydro, it's the historical
17 accumulation of net income dating back to our
18 inception. Almost all of our equity was generated
19 before 2009. Most of what has been created since is
20 thanks to consecutive years of high water conditions.

21 Without income and cash flow an equity
22 balance is not a great deal of help to a company.
23 Like Manitoba Hydro, when things go bad; rather, we
24 will be glad to not be in so much debt, which is what
25 this ratio helps tell us.

1 Slide 48. But our equity ratio is
2 inextricably linked to cash flow. Interest is our
3 largest expense and extends its lead by a lot as
4 Bipole and then Keeyask come into service. The higher
5 our equity ratio, the lower our debt and the lower --
6 lower debt ratio and the lower our debt, all of which
7 lead to lower interest payments and lower cash
8 burdens.

9 When you target an equity ratio and set
10 your plan accordingly, you're really targeting a net
11 income and a cash flow level. An equity ratio is the
12 end result. It is the end product of making an
13 adequate amount of net income and thus paying off some
14 debt.

15 When we speak of reserves, this is what
16 we are talking about; a plan that includes provisions
17 for reserves like our governing legislation says
18 should be considered in rates, so we can cushion
19 against the unforeseen and over time pay down some
20 debt.

21 Slide 49. The suggestion that debt
22 markets don't care about equity ratio is simply
23 inaccurate. Equity ratio is a good proxy for overall
24 debt levels. Investors care very much about that.
25 Markets and rating agencies, bond investors understand

1 the inherent relationship between equity ratio and
2 cash flow and all of the other metrics that one (1)
3 analyst might personally prefer over another.

4 But regardless of the credit markets,
5 we should all care about debt levels, as they are
6 what, if we turn our back on it, will continue to
7 inflate a huge risk of rate volatility, and overall
8 higher rates for our customers in the long run.

9 Slide 50. This is just a final slide
10 to demonstrate the relationship between equity ratio
11 and cash flow. As you can see as equity ratio climbs
12 and that's the solid black line in our plan, the blue
13 bars of interest expense under our plan fall; that's
14 the cash flow. Taking the 3.95 percent path as equity
15 levels drop interest rises because the debt is higher.

16 Slide 51. I spoke about this already,
17 so in the interest time I'll pass over this slide, but
18 our other two (2) traditional ratios have some
19 shortcomings. The biggest being is they seek to
20 represent the adequacy of our cash flows, but don't
21 actually incorporate all of our cash needs.

22 Slide 52. I'll perhaps spend a minute
23 on EBITDA which stands for earnings before interest,
24 tax, depreciation and amortization, which is one of
25 our metrics and appears at least by virtue of my read

1 of Morrison Park's evidence to be the one (1) they
2 favour. Some say EBITDA. I say EBITDA. It's not a
3 gap or IFRS figure. You won't find it on a financial
4 statement. But a lot of investors and analysts use
5 EBITDA as a pretty good proxy for the cash flow you
6 have after you've paid your operating expenses. It's
7 what you have left over to pay your interest costs,
8 pay your capital expenditures, pay dividends, and pay
9 down debt.

10 EBITDA to interest ratio just looks at
11 whether we have enough EBITDA as a proxy for cash flow
12 before debt service and capital needs to make all of
13 our interest payments. From my point of view, we need
14 to be cautious in how we use this ratio. We know that
15 we have more payments to make than just our interest
16 costs. We have to fund system capacity and renewal.
17 We've had a pretty steady \$500 to \$600 million a year
18 that we need to invest to continue to maintain and
19 increase the capacity of the current system to meet
20 our customers needs and to support our revenue
21 projection.

22 We have all of these other costs like
23 mitigation and other liability payments that really
24 don't hit our income statement and, therefore, our
25 EBITDA. For an electric utility in the very short

1 term, we can probably move some things around but at
2 the end of the day these expenditures are not
3 discretionary. When elements of the system wear out
4 and fail, which happens every day, we have to replace
5 them or we are not meeting our commitments to
6 Manitobans. More simply, without the assets in good
7 working order, we can't even generate all the revenue
8 that leads to this EBITDA.

9 Finally, if we cut corners on investing
10 in our system because we don't have the cash flow
11 invariably the cost of replacement go up as instead of
12 proactively making repairs, replacements and upgrades,
13 we're doing it on an emergency basis, which cost more.
14 So EBITDA to interest is informative but it's not a
15 complete picture becau -- because it does not tell you
16 whether you have enough cash to continue to run your
17 operation, and therefore, it does not tell you if your
18 debt is going up or going down.

19 Slide 53. Lots of numbers.
20 Nonetheless, we have these three (3) targets and the
21 3.95 percent rate path fails to meet any of them over
22 ten (10) years. In fact, we have to keep marching on
23 the 3.95 path until 2030 before we meet the EBITDA to
24 interest target and 2036 for the equity target. As
25 you can see and these are the red figures, the 3.95

1 percent rate path noted as MH15 rates applied to our
2 current projections do not meet our minimum levels and
3 alarmingly generally show a declining trend over time;
4 meaning the financial situation is getting weaker, not
5 stronger with the passage of time, notwithstanding ten
6 (10) years of compounding 4 percent rate increases.

7 You can also see that our plan reflects
8 restoring equity to 25 percent over ten (10) years and
9 by extension, and this is down at the bottom, lowering
10 debt by 4 billion over the 3.95 percent path. While
11 imperfect, the other two (2) ratios are comfortably
12 met. This should not be unexpected, given an
13 essential element of this plan is to accelerate debt
14 paydown, to derisk our balance sheet. In the longer
15 term, we don't need to exceed these targets by as far.

16 I've added EBIT to interest on here.

17 The difference between EBITDA and EBIT is depreciation
18 and amortization. So EBIT reflects a charge to cash
19 flow for the capital needs of the business and it uses
20 depreciation as that proxy. I included it because
21 Manitoba Hydro used to use this ratio with a minimum
22 target of 1.2 times; meaning, Manitoba Hydro has
23 enough earnings before interest cost to provide for
24 all of those interest costs, plus a 20 percent
25 cushion.

1 Mr. Bowman of Intergroup on behalf of
2 MIPUG points to this ratio as a critical test of rates
3 sufficiency. We add it here for the reason to show
4 that the 3.95 percent rate path Mr. Bowman argues is
5 adequate grossly fails his own preferred test. If
6 nothing else, this page demonstrates unequivocally
7 that the 3.95 percent rate plan just doesn't work.

20 You can see and -- and -- and you'll
21 see credit analyst will -- will look at a ratio like
22 that, sometimes you see derivatives called free cash
23 flow to Capex or funds from operation to Capex,
24 there's lots of names and lots of things that
25 sometimes are included here and there or not included.

1 Again, there's some art more than science, but you can
2 see that even under our financial plan, we are less
3 than one (1) time for the next year -- next few years
4 and barely above that for the next two (2) after that.

5 So we still have -- we're still cash
6 flow negative in the early years, inspite of 7.9
7 percent rate increases. This is consistent with our
8 argument that we are cash flow negative right now,
9 even putting to the side the major capital projects.
10 Over time, you see we build up to having a good but
11 not extravagant cushion, considering the size of our
12 business.

13 This is the source of the cash we need
14 to deleverage our balance sheet. By comparison, the
15 MH15 rate plan leads to inadequate cash
16 flows, increasing leverage and a declining financial
17 profile.

18 Slide 55. Debt keeps going up. Mr.
19 Bowman's evidence provided a version of this graph
20 which we needed to update a little bit to correct some
21 of the data, but inexplicably it is used as an
22 argument that there's been no deterioration in the
23 financial profile of Manitoba Hydro because our debt
24 is tracking along the path established at NFAT.

25 In fact, you can see our debt balance

1 is unavoidably going to track materially above the
2 sensitivity range established at NFAT for the Keeyask
3 development plan. Those are those dotted yellow lines
4 that you see right at the top over the shaded blue.
5 The shaded blue is the range of potential debt under
6 the NFAT scenario.

7 If we stick to the 3.95 percent rate
8 plan, our debt will climb to \$25 billion and plateau.
9 That little purple line that you can kind of see
10 extending is an NFAT scenario that included building
11 Conawapa. So, in other words, if we continue to
12 follow the 3.95 percent rate plan we're headed to a --
13 to a debt level consistent with -- with a plan that
14 also included being well along with building Conawapa.

15 There's just no conclusion but that our
16 business outlook and financial profile has massively
17 deteriorated.

18 Finally, one (1) last demonstration of
19 that. We talked about EBITDA. We talked about how
20 there are lots of credit ratios you see used.

21 Next slide 56, please. Another is debt
22 to EBITDA. It's another way of looking at how much
23 debt your cash flows is -- is expected to service.
24 Ratios of six (6) and seven (7) times are often
25 considered highly leveraged and are associated with

1 very low credit ratings, like BB or CCC; that's pretty
2 close to the last stop on the scale. The last stop is
3 D, which means you're in default.

4 In my former career we called debt of
5 this quality noninvestment grade or high-yield. It's
6 known more colloquially -- colloquially as junk. So
7 we can see here our debt to EBITDA has been steadily
8 climbing, even since before the start of our major
9 bill program. You can see that if we follow the 3.95
10 percent rate path, that's the top line, we will touch
11 almost fourteen (14) times. We're about double the
12 level of BC Hydro and we'll stay there.

13 Over to the left you see our debt to
14 EBITDA ratio when we lost over \$400 million during a
15 drought; just over eighteen (18) times. So we're
16 talking about building debt to a level directionally
17 consistent with the temporary level we reached during
18 a drought, a time after which this Board was so
19 concerned about our financial condition that it gave
20 us a higher rate increase than we applied for and
21 having be our steady-state.

22 MR. KELVIN SHEPHERD: Slide 57. I
23 want to spend a bit of time talking about the province
24 of Manitoba. They're a critical stakeholder on
25 several fronts and the Manitoba Hydro Electric Board

1 and Hydro Management, together with the Public
2 Utilities Board have to consider their interests.

3 It's accepted doctrine that our
4 customers must bear the full cost of operating the
5 system. Our governing legislation says so. This
6 Board has previously said so.

7 The relationship with the province is
8 well defined and understood. The province is our
9 owner, but does not receive any return on investment
10 in Manitoba Hydro. There is no dividend policy and
11 our rates are not set on the basis of generating a
12 rate of return for anyone.

13 I'm also not suggesting anything should
14 change in this regard. And, in any event, that's a
15 public policy issue, not a Manitoba Hydro management
16 issue. However, this alone has been a huge positive
17 factor contributing to the low electricity rates
18 Manitobans enjoy. If one wanted to provide for a rate
19 of return on a balance sheet our size, I believe rates
20 would need to be 30 or 40 percent higher to do so.

21 The province of Manitoba is also, in
22 some ways, our banker by guaranteeing our debt
23 directly or borrowing on our behalf and advancing it
24 to us, we are afforded the same access and costs in
25 global credit mark -- markets as the province. This

1 is enormously valuable to our customers. With our
2 current balance sheet, on a standalone basis, it's
3 quite unlikely we could borrow the \$13 billion we need
4 over the next five (5) years, at any interest rate.

5 Our credit profile on its own would be
6 enormously more expensive than the interest rates we
7 enjoy by utilizing the provincial guarantee. Even if
8 we could get the money, companies with credit profiles
9 like ours pay at least double for that -- for us that
10 would be an additional \$1 billion more per year.

11 In other words, the relationship with
12 the province is a good deal for Manitoba Hydro's
13 customers, but more importantly, it is the deal. As a
14 consequence, there are a few things we are not allowed
15 to do. We cannot wilfully threaten or impair the
16 credit standing of the province of Manitoba. The
17 evidence so far has produced a nuance debate over
18 whether Manitoba Hydro at this moment is or isn't
19 self-supporting or at this moment is or isn't
20 affecting the province's credit spreads right now.

21 There is no clear answer. Both sides
22 of the debate can pull a quote from a rating agency to
23 defend the point of view. From my perspective the
24 view on whether Manitoba Hydro is self-supporting
25 really boils down to a belief on the part of the

1 rating agencies and debt investors that electricity
2 rates will be increased when and to the degree
3 required to virtually eliminate the likelihood the
4 government in Manitoba feels it must take action.

5 In Manitoba Hydro's view, we have
6 clearly reached a point where the old financial plan
7 has failed and so, therefore, continuing on the rate
8 path associated with that old financial plan is going
9 to be very difficult for capital market participants
10 to have confidence in.

11 Ultimately, the answer to that question
12 isn't what is at issue. As we've discussed today,
13 what is principally at issue here is that Manitoba
14 Hydro has too much debt and must take more aggressive
15 action to come to terms with that. This would be the
16 case whether the pro -- whether the province appeared
17 headed for a credit rating upgrade or a credit rating
18 downgrade.

19 What is clear is that capital market
20 participants are important. They're concerned and
21 they are paying attention to this rate case and the
22 next steps we take. Credit ratings and credit
23 standings are in some ways like reputations. There's
24 no definitive right line test of where you're going to
25 lose people's trust and confidence but once it's gone,

1 you're in a really hard place.

2 So let's be clear, regardless of what
3 happens in this rate case, we are continuing on a path
4 that will see our debt balloon to levels which are
5 multiples of where it has been relative to the size of
6 our business.

7 However, without strong rate action we
8 will be continuing on a financial plan that has us
9 building to \$25 billion in debt while generating
10 almost half a billion in net losses and 1 billion in
11 negative cash flow on core operations.

12 The thought that this won't eventually
13 catch up with us, with how investors view the
14 province, is kind of an enormous leap of faith. We're
15 not allowed to drive the province's borrowing costs
16 up. It's not our deal with them, and it most
17 certainly is not what the debt guarantee fee is meant
18 to compensate for.

19 Manitoba Hydro customers should care
20 about this too. The province's cost of debt is our
21 cost of debt which directly impacts electricity rates.
22 Our principal concern should be that we just have too
23 much debt, and thus are extremely exposed to interest
24 rate movements, whatever their cause.

25 But why would we exasperate this by

1 risking further pressure on the province's rating
2 without -- which we couldn't remotely afford this debt
3 and these electricity rates. Beyond that, we
4 shouldn't allow ourselves to. It's not the deal we
5 have with the province.

6 Secondly, the end game for not dealing
7 with our balance sheet is clear, so let's be candid
8 about it. At some point, if we're not careful or
9 lucky or both, something bad is going to happen in
10 terms of the risks inherent in this business that is
11 going to necessitate taking emergency rate action.

12 We have seen in other jurisdictions
13 where the scale of rate increases needed to deal with
14 the cost of the electricity system are beyond what the
15 government feels customers can absorb. What really
16 happens is governments of the day, as Ontario has
17 demonstrated, conclude that the rate increases are
18 more than the government can tolerate. It becomes a
19 political issue at a minimum and potentially an
20 economical one.

21 The solution has often been to have the
22 taxpayer step in to provide relief against the
23 required rate increases. This is wholly inappropriate
24 as an outcome for Manitoba Hydro. We cannot be
25 allowed to inflate our debt until this becomes a real

1 risk for Manitoba's taxpayer and it -- it just isn't
2 our deal with the province.

3 Slide 58. We believe it's important to
4 act now. We spoke earlier about the impact of the
5 August 2017 interim rate. In order to keep to a ten
6 (10) year plan that 3.36 percent first-year interim
7 rate increase puts -- push the aggregate ten (10) year
8 increases from 60 percent to 77 percent.

9 So it's important to take strong and
10 appropriate action now to preserve the future. The
11 following few slides help make this clear.

12 On this chart you can see the blue
13 dotted line is our proposed rate profile. If instead
14 of 7.9 percent on April 1st, 2018, the rate increase
15 is 3.36 percent -- again, you can see that it will
16 then take eight (8) consecutive years of 8.25 percent
17 rate increases, totally a hundred and one percent or
18 24 percent higher than in our plan just to get to the
19 same place.

20 If for April 1st, 2019 the rate
21 increase were to be another 3.36 percent, the
22 compensating rate increase to reach a 25 percent
23 equity target by 2027 would need to be 9.6 percent per
24 year each year for seven (7) years.

25 Slide 59. Another way to look at the

1 importance of acting now is the value of having taken
2 action today if things go wrong. On this chart we
3 show the comparison of the impact of a five (5) year
4 drought starting in 2022/23. Under our plan, all else
5 being equal, no compensating rate action would be
6 required. Obtaining our 25 percent target equity is
7 delayed by only two (2) years.

8 However, if we continue to march
9 forward with the old plan, that is the 3.95 percent
10 path, our equity is headed for 10 percent in 2027 and
11 a scenario where our forecasts is exactly right and
12 water conditions are averaged throughout. A drought
13 knocks our equity to 5 percent in 2027. Even to
14 recover to 10 percent would need four (4) years of 10
15 percent rate increases. We would arrive at the end of
16 ten (10) years with 6 percent higher electricity rates
17 then under our plan, a still severely undercapitalized
18 utility and a long march still ahead of us to address
19 that.

20 Slide 60. Finally, while Keeyask is
21 clearly a fiscal challenge for the Corporation, right
22 in front of us is Bipole III. We discussed this at
23 the interim hearing in July. The only thing that has
24 changed is we are now roughly nine (9) months away
25 from bringing this asset into service. When we do it

1 will begin bringing roughly \$350 million of additional
2 costs through our income statement where today we are
3 essentially breakeven. We do begin to realize the 11
4 percent or so that is in our rates today but being
5 allocated to the Bipole III reserve. But that only
6 addresses just over half of the gap.

7 This is the last rate increase before
8 Bipole III comes in to service and what we have
9 requested will still leave us roughly 30 million short
10 of covering the incremental costs.

11 Slide 61. Our rate increase is 7.9
12 percent for April 1st, 2018. It's an essential first
13 step to address the fact that Manitoba Hydro's debt is
14 on a path to grow to completely unsustainable levels.
15 It's a first step to building reserves in the form of
16 a plan for income and cash flow that provide actual
17 protection against known risks. Risks like rising
18 interest rates, disappointing export prices, anemic
19 load growth, subaverage water conditions, let alone
20 drought and capital cost increases. Risks we've seen
21 before and can reasonably expect will occur again.

22 This first rate increase is amply
23 justified simply by our current circumstances. It
24 would only -- it would cover only roughly 60 percent
25 of the forecast cost deficiency in the last test year.

1 On a cash basis, we believe current rates are too low
2 by 15 to 20 percent. This rate increase is still not
3 enough just to cover the incremental costs of Bipole
4 III, which is imminent.

5 Slide 62. So we believe it's essential
6 that we start on this path and continue. As a
7 forecast matter we simply cannot build a rate strategy
8 based upon targeting zero net income. Manitoba Hydro
9 will be -- shortly be a \$30 billion asset at book
10 value, and one that is highly leveraged. We are
11 leveraged to debt, to water conditions, to export
12 market conditions and to capital costs.

13 One cannot prudently run this kind of
14 business with a goal of zero net income. You have to
15 plan to make enough income on a regular basis, so that
16 you don't need to take drastic action when you don't
17 have that net income.

18 We need to be clear on what reserves
19 mean. Intervenors will point to our equity balance
20 and say it's roughly \$3 billion; that's plenty. That
21 position represents a fundamental misunderstanding and
22 naivety about what equity is and what it does for you.

23 As Jamie discussed, we're targeting a
24 return to a 25 percent equity ratio. The point of the
25 equity target is to get our absolute debt levels down.

1 The equity ratio is the end product. It's the result
2 of following a financial plan where we generate
3 positive net income and positive cash flow so that we
4 can pay our debt down to more sustainable but hardly
5 low risk levels.

6 Equity in and of itself does nothing
7 for you. This is particularly the case when almost
8 all of our equities is derived from cumulative
9 earnings generated more than ten (10) years ago. Even
10 more recently, the entirety of the growth in our
11 equity has been a byproduct of unexpected profits
12 owing to near record water conditions over the last
13 several years.

14 Equity is not cash. This is essential
15 to understand. Equity is not a store of cash that we
16 can use to mitigate rate increases when bad things
17 happen. The only cushion to absorb unforeseen events
18 and risk without having to raise rates even more
19 and/or borrow yet more money is having rates at
20 sufficient levels where your generating income and
21 cash flow. And as we make clear, the old plan with
22 its 3.95 percent rate path comes nowhere near close to
23 doing this for us.

24 Without this cushion when adverse
25 events occur, the only choices available are to

1 increase rates, potentially a lot, or borrow more
2 money. We should not and cannot as a planning matter
3 knowingly put ourselves in that position.

4 Slide 63. I've covered a lot of this
5 slide, but really the only path we have to create the
6 reserves we need in the form of expectations of income
7 and positive cash flow is through higher levels of
8 rate increases. If we do this, then things should go
9 -- and then things should go better than planned or
10 risks not come to fruition, by reducing our debt we
11 will have enabled a larger range of attractive
12 options.

13 Rates will be more stable and
14 predictable. Rates won't need to be immediately --
15 respond to negative events. Longer term rates may
16 even be able to go down. If our concern is the long-
17 term health of our customers and the economy, and it
18 should be, what we have proposed in our plan is the
19 right path.

20 Finally, we need to keep emphasizing
21 that we have to start now to get ourselves on the
22 right trajectory. With the full benefit of hindsight,
23 Manitoba Hydro should have acted sooner in asking for
24 different rates. Let's not make that mistake again.
25 We need to start being more defensive. We can no

1 longer rely on hope as our planning criteria.

2 In this hearing we are talking of
3 approving one (1) rate increase, at most two (2), I
4 think, if the Board wishes to revisit last summer's
5 interim rate; fully understanding there's the interim
6 -- the previous interim rate but we're -- we're really
7 talking about 2018.

8 And we need that to get us on the right
9 path. We do need a commitment to restoring our
10 balance sheet but the exact path really can't be known
11 today. It can be adjusted going forward as
12 circumstances warrant. But what is for sure, if
13 something goes wrong in our plan and let's be clear,
14 there are plenty of risks in the plan, we are not
15 going to be able to go back in time to revisit today's
16 choices.

17 Slide 65. I think we may make your
18 timeline, Mr. Chair. I'm working on it. We wanted to
19 touch on a bit of history. The reason we do this is
20 that informs a lot of the decisions we have in front
21 of us and the risks and realities, we have to come to
22 terms with. And so the question -- I know people ask
23 us: How did we get here?

24 First off, electricity export prices
25 collapsed after 2008. Export sales were and still are

1 a major credit to the total cost of domestic
2 electricity that are borne by domestic ratepayers.
3 The value we're getting for our excess water has
4 diminished substantially and really has remained, you
5 know, frustratingly stagnant at lower price levels.

6 An unprecedented streak of above-
7 average water has obscured the damage that these lower
8 export prices have -- have caused. Domestic rates
9 have never properly adjusted to the decline in the
10 export business which unchecked is going to expose a
11 huge issue should water levels simply normalized or be
12 below average. As a result, we missed a great
13 opportunity to add to our reserves and avoid more debt
14 by taking advantage of many, many years of excellent
15 water conditions which should have been used to boost
16 net income.

17 As we discussed our outlook for growth
18 in Manitoba consumption has dropped significantly.
19 Being in the electricity business is expensive. A lot
20 more expensive than it used to be. By only allowing
21 for effectively net zero income or low income levels,
22 we've been recovering in rates based upon the
23 historical cost of our assets, the bulk of which are
24 quite old but we have to sustain and enhance these
25 assets in cur -- current dollars. The gap as Jamie

1 has talked about is a couple hundred million dollars a
2 year.

3 The economics and business case for
4 Keeyask has eroded. Many of the risks previously
5 exhaustively reviewed have come to present themselves;
6 lower export prices, lower load growth, and higher
7 construction costs. Keeyask is now going to be a drag
8 on net income well into the 2030s, if not longer.

9 Bipole III is an enormous necessary
10 asset for system reliability but its cost is one which
11 are old financial plan did not properly allow for.

slide 66, I'll turn it over to Jamie.

13 THE VICE-CHAIRPERSON: Sorry, Mr.
14 Shepherd, can I just -- it must be getting late in the
15 day, can you just go over that point again about, you
16 didn't take advantage of high water conditions by
17 making contributions to reserves. How could you, in
18 fact, have done that differently?

19 MR. KELVIN SHEPHERD: Yes, well, if
20 you go back and we've -- we've mentioned this for --
21 we've had 13 -- or we're into our 14th year
22 potentially of above-average water conditions. If
23 those had been treated as an opportunity to
24 essentially add to net income, in other words, if we
25 had raised domestic rates even slightly during that

1 timeframe and used that -- call that windfall of
2 excess water to lower our debt or build equity,
3 depending on how you want to perceive it, two (2)
4 things would've happened. We would be in a stronger
5 position financially and rates -- domestic rates would
6 have been increased more appropriately over the last
7 decade than they have been.

8 Instead, I think our target of having a
9 very modest net income or even zero net income and
10 using those above-average water conditions as a way to
11 -- to achieve that, it's a -- it's a lost opportunity.
12 It's unfortunate because you can't go back, but that's
13 the point I was trying to make.

14 THE CHAIRPERSON: Mr. Shepherd, going
15 back to your earlier point, if your starting point is
16 4 percent and everything falls in to that, isn't that
17 -- isn't that the trigger? If your starting point is
18 that we're not going to have interest rates more than
19 4 percent, then the -- then the excess water is sort
20 of a blessing.

21 MR. KELVIN SHEPHERD: Yes, I -- Mr.
22 Chair, so, you know, my comment that really coming out
23 of the decision to go ahead with these major projects,
24 there is a decision that rates could not increase more
25 than 4 percent, that is a limiting factor.

1 THE CHAIRPERSON: Yes.

2 MR. KELVIN SHEPHERD: But I would
3 argue, if you go back further than that and go back to
4 the ten (10) years before that, there was substantial
5 opportunity and lost opportunity by Manitoba Hydro to
6 increase domestic rates only modestly and build a much
7 stronger capital position before entering into those
8 major capital projects.

9 It's a different view. I understand
10 that, a different judgment and, quite frankly, I have
11 20/20 hindsight. But I would argue that it's a missed
12 opportunity. You -- you can't get back those years
13 where, you know, those higher export prices and higher
14 water levels could have, you know, substantially
15 strengthened the Company's balance sheet.

16 THE CHAIRPERSON: Thank you.

17 MR. JAMES MCCALLUM: Slide 66, please.
18 These -- these will be just some quick slides to build
19 on what Calvin describes.

20 This chart shows our net plant in
21 service, our property, plant and equipment, less
22 accumulated depreciation in the blue bars, and you can
23 see building from about just under 8 billion in 2008.
24 It's in the right axis you can see the -- the index
25 there. Building to about 12 billion at last year end

1 in March.

2 Meanwhile, our net income has dropped
3 from \$350 million in 2008, to \$51 million in 2017
4 which is really 31 million if you take out that one
5 time land sale gain which I believe you should. I
6 note these -- the numbers in these chart -- in this
7 chart have been adjusted to make an apples-to-apples
8 comparison for the impact of accounting changes.

9 So even before we start talking about
10 the major capital projects, our assets have gone up
11 over 50 percent while our net income has fallen by 90
12 percent. This is what Calvin talked about in terms of
13 that missed opportunity.

14 During this time every single year
15 enjoyed above-average water conditions, and in the
16 main, falling interest rates.

17 Slide 67. Calvin spoke to domestic
18 rates not adjusting to the drop-off in our export
19 market pricing. Here you can see that from 1994 to
20 today, Manitoba Hydro's rates have at least until very
21 recently tracked well behind inflation. The rate
22 path -- this is all indexed to 100 in 1994, is the red
23 line at the bottom. Manitoba's consumer price index
24 is that middle blueline.

25 I think importantly an index of

1 construction costs, which is an important factor
2 driving our cost structure, given our asset intensity,
3 as of late been substantially outpacing inflation.

4 Slide 68, please. So interest rates
5 have been dropping which have really saved the day up
6 until now -- for now. Our situation with an
7 additional 3 or 4 percent per year of interest expense
8 would be particularly dire. We would be wilfully
9 ignoring history and, in my view, common sense to at
10 least not factor in the possibility that interest
11 rates can go up.

12 Slide 69. Even with the declining
13 interest rates, as Mr. Bowman points out in his
14 evidence, which we've reproduced here, our cost of
15 debt, interest and the debt guarantee fee, is
16 increasing at a rate substantially greater than
17 inflation and it just takes off as these major
18 projects conclude and the interest expense on Bipole
19 III and Keeyask enter our income statement.

20 Notwithstanding lower interest rates,
21 we're seeing a near tripling of interest cost per
22 kilowatt hour of load. So the proportion of each
23 kilowatt hour rate being dedicated to interest costs
24 is really exploding and, again, this is at a time when
25 interest rates sits at levels not seen since the Great

1 Depression.

2 Slide 70. Back to NFAT and past plans
3 blows a chart of net costs, being all of the costs on
4 the income statement less export revenues and per
5 kilowatt hour of domestic load. As you can see by the
6 red dotted line, our current outlook and using the
7 3.95 percent rate plan, leads us to a net caught --
8 cost position per kilowatt hour and our rates are
9 charged -- well, in part in kilowatt hours, it is far
10 above what we projected under MH14 or MH15.

11 Probably of more concern is we are on a
12 path that will take us from just over \$0.06 cents per
13 kilowatt hour this year to over \$0.10 by 2024 when
14 Keeyask is fully on stream. So we're talking about a
15 65 percent increase in net unit costs.

16 The 3.95 percent rate plan produces a
17 30 percent increase in rates over that time. So while
18 our unit cost goes up 65 percent, our rates are going
19 up 30 percent. This doesn't work.

20 Slide 71. Looking further at net cost
21 versus rates -- and this is another index chart dating
22 back to 2000 as a base of 100. You can see that our
23 rates, and that's the dotted line, have increased at a
24 much lower pace than our net unit costs from 2000 to
25 2017; that's part of our problem today. Today's rates

1 haven't kept pace with the increasing net cost of the
2 operation. This is what we mean when we say we don't
3 believe that the -- the -- the current ratepayers is
4 paying for the full cost of the system.

5 In fact, last week, Moody's released a
6 new report on Manitoba Hydro wherein they state:

7 " While rate increases are nominally
8 set on a cost-of-service basis rate
9 increases in recent years have
10 clearly not kept up with the costs,
11 as evidenced by ongoing weak
12 financial metrics." closed quote.

13 Slide 72. This chart extends this
14 analysis to look at the future. The dotted lines are
15 two (2) alternate rate plans. Our proposed financial
16 plan and the 3.95 percent plan beneath it. The dark
17 solid line is the progression of net costs under our
18 plan while above it is the same under the 3.95 percent
19 plan.

20 So the 3.95 percent plan would see us
21 not closing this gap between the progression of costs
22 and rates, but rather widening it. Our plan doesn't
23 close the gap either, but it at least keeps it from
24 widening and in doing so, funds a reduction of debt
25 that allows us a significantly higher probability of

1 lower and more stable rates in the long run.

2 MR. KELVIN SHEPHERD: Were nearly at
3 the end. We did want to talk to some key concerns.
4 I've heard these from customers, employees and other
5 stakeholders. I somewhat joke that I think that --
6 Free Press, I can't go to the Co-op without running
7 for -- down the aisles with my groceries so.

8 Certainly people are interested in this
9 and -- and I've heard these concerns. You know, first
10 people often believe that because Manitoba Hydro makes
11 a positive net income, 33 million, 37 million, 30
12 million, take your -- take your pick, things are fine
13 and no rate increases are warranted.

14 We've talked extensively today about
15 why that is just not the case and why substantially
16 higher levels of net income are absolutely required to
17 address our increasing levels of debt and provides
18 sufficient cash to meet operating requirements.

19 Some stakeholders will say that rates
20 must be kept low. They're opposed to the idea of rate
21 increases probably including the previous plans 3.95
22 percent increases, which by the way, results in even
23 higher rates over the longer term than our new plan
24 would provide for.

25 It's a fact that rate increases are

1 needed to support Manitoba Hydro's debt. I believe
2 our economy and our customers are better served by a
3 realistic plan that creates longer-term certainty and
4 stability. Some stakeholders believe that stopping
5 Bipole III and Keeyask would solve the problem and
6 reduce or eliminate the need for rate increases.
7 Together with the Manitoba Hydro Electric Board, we
8 examined potential options; stopping or delaying these
9 projects. And I can tell you that those courses of
10 actions are worse economically and would result in
11 huge costs without any functioning assets able to
12 deliver operational benefits or, in the case, of
13 Keeyask incremental revenues.

14 Slide 75. It's common for people to
15 tell me that Hydro just has too many people, too much
16 management, we should cut our costs and not raise
17 rates. As I've previous outlined we're taking action
18 in costs and that includes streamlining the company,
19 reducing executive management, accelerating staffing
20 reductions. However, I must also ensure this company
21 can deliver on its mandate as safe, reliable energy
22 service for Manitobans. It takes people, operating
23 expenditures and sustainment capital to do that.

24 Fundamentally, this is not an operating
25 problem. It's a capital structure -- structure and

1 debt level issue that can only be addressed by taking
2 action to generate enough net income over time to
3 reduce the amount of peak debt and provide the
4 required cash flow and net income to restore Hydro's
5 balance sheet to a more sustainable level.

6 Some people believe that if you just
7 raise the rates over a longer period of time it has
8 less impact. I don't believe that. I don't think the
9 numbers support that. Taking longer to address the
10 current issues Manitoba faces results in higher rates
11 over the longer term, and exposes the Utility and its
12 customers to a great deal more risk for a longer time
13 frame.

14 You'll hear from Intervenors,
15 individual customers and other organizations that low
16 income customers cannot afford the proposed rate
17 increase, and I empathize with these customers and
18 groups. I know from personal experience there are
19 many families who live with less than adequate
20 resources, many individual groups and communities that
21 suffer from poverty. I've been to many First Nations
22 communities. I've met with the leaders and community
23 members. I've listened to the Elders. I know there
24 is a real problem, a real issue and that all of us
25 should be embarrassed and perhaps even ashamed at the

1 living conditions that some Manitobans are in.

2 Manitoba Hydro does many things to help
3 people in these situations, however, fundamentally, I
4 believe the root cause of this problem is social
5 policy and inadequate income. It's not directly
6 electricity rates.

7 Under the legislation governing
8 Manitoba Hydro, we're not allowed to set rates that
9 differentiate by geography or density of population.
10 This insures that a residential customer in Brandon
11 pays the same cost per kilowatt hour as one in
12 Winnipeg, one in a rural residence or one living in
13 Thompson. I understand that a customer pays bills,
14 not rates and the electricity bill for each customer
15 is affected by whether they have access to lower cost
16 gas heat, a home with better insulation, and whether
17 there are two (2) people living in the home or three
18 (3) generations.

19 Manitoba Hydro has engaged with
20 stakeholders and bill affordability studies and will
21 continue to work with customers, organizations and
22 governments. However, the issue of low income, and
23 customer's ability to pay is not something that I
24 think can be fully resolved during this rate setting
25 process. Jamie...?

1 MR. JAMES MCCALLUM: So we're going to
2 hear lots, I think, we already have about how we
3 should change the projections to justify lower rate
4 increases. We will hear points of view that Manitoba
5 Hydro has been too pessimistic in our forecasts;
6 notwithstanding, having shown that over the last few
7 successive forecasts we've appeared too optimistic in
8 our views of export prices and low growth and capital
9 needs on these major projects.

10 Other ideas will be that we should use
11 robust use of regulatory deferral accounts to take
12 cost out of the income statement and move it on to the
13 balance sheet. The reality is that projections are
14 just that. They're our best view today of the future,
15 but it's no guarantee. And we've run out of latitude
16 to be wrong on this stuff.

17 Making arbitrary changes to a forecast
18 in support of lower rate increases is false security.
19 It's not a good choice. Ultimately, as it comes to
20 the test years or the years just thereafter more
21 aggressive growth assumptions, if that's what one
22 wishes to make, or better improvement in export
23 prices, the signing of another long term contract, you
24 can put those into the model, that doesn't make them
25 happen.

1 And -- and some of these assumptions
2 candidly I think we're already starting to see signs
3 of worry that the forecast that forms the backbone of
4 our evidence here is starting to leak a bit of oil.
5 We fell far short of our export price forecasts for
6 this year.

7 We're starting to see short-term
8 interest rates creep up a little bit, and we've seen a
9 project that represented 20 percent of our gross --
10 gross -- growth in gross net load -- growth -- pardon
11 me, it's been a long day, growth in gross load over
12 the next ten (10) years fall to the wayside.

13 So we'll also hear that there's views
14 that the credit markets are relaxed and that
15 Manitoba's rating and borrowing costs and thus Hydro's
16 are not at risk. I don't think you can make that
17 conclusion that credit markets aren't worried about
18 Manitoba Hydro. When I read the global credit rating
19 agency Moody's, their statement in a report last week,
20 referring to our recent credit metrics and the outlook
21 for them, these financial metrics are among the
22 weakest, if not the weakest, of any of Manitoba
23 Hydro's peers; including vertically integrated,
24 provincially owned Crown corporations in Canada.

25 The only thing really open to debate is

1 how worried investors and rating agencies are and when
2 they will start acting on it. In other words, how
3 close are we to the point where confidence in all of
4 us erodes? I can tell you from considerable
5 experience in the capital markets that sometimes when
6 this happens it doesn't come in the form of a slow
7 trickle. It takes the form of a stampede and my
8 question would be: Why flirt with that? And
9 regardless of the credit markets and rating agencies
10 and that whole discussion, our vulnerability is to the
11 overall rate increase -- the overall interest rate
12 increases, no matter what their costs.

13 Taking steps to minimize our risk to
14 the province is simply honouring our deal with the
15 taxpayer and acting in our own and our customers best
16 interest. We'll hear we can cut our sustaining
17 capital. We've got an aging system and a mandate to
18 uphold. We have a lot of work ahead of us,
19 particularly on the distribution side of the business.

20 To suggest they're material savings to
21 be had in our sustaining capital, we think is
22 misinformed, shortsighted and risky. But even so and
23 not to burst Mr. Hacault's bubble from this morning
24 who told us there was a considerable amount of
25 positive impact that would come from this, in over ten

1 (10) years, where if we were to take \$100 million out
2 of that spending which would be a really, really big
3 deal when you work it through and understanding where
4 that spending goes and how much goes to things that --
5 you know, replacing things as they fall down. There's
6 not a lot of discretion around that.

7 But even so, taking \$100 million out
8 probably has an impact of about .3 percent to the rate
9 increases we're asking for. It really -- a hundred
10 million dollars in a 25 or \$30 billion balance sheet
11 just doesn't move the needle. I'm not trying to
12 diminish that we should be doing everything we could
13 and every penny counts but we need to be realistic
14 about arbitrarily adjusting the model.

15 Slide 77, please. So we talked about
16 that there will be this idea that we should use a much
17 more aggressive debt management strategy concurrent
18 with what we believe we've shown as an unworkable 3.95
19 percent rate plan. Old plans also had limited net
20 income for the next ten (10) years, and thus more
21 appropriate debt terming.

22 We didn't hear a lot of protests from
23 the Intervenors then. We think this is another
24 example of cherry picking, a savings opportunity for
25 today while parking yet more burden on tomorrow's

1 generation. This is another example of just change
2 the model thinking that completely ignores the
3 consequences. Back on change the model, yet again,
4 we'll be attacked that we've been too conservative.
5 As noted, major elements of our growth and capital
6 forecast have proven optimistic.

7 I think I've spoken about more of this
8 already, but we're 10 or 20 percent under plan on our
9 opportunity export pricing so far this year, which
10 tells you that when you're forecasting upward sloping
11 export prices on the opportunity side, you're way
12 behind where you think you're going to get next year.

13 At the end of the day hope's not a
14 plan. For now, we are asking for a first step in a
15 plan; is a step that is amply justified by the
16 inadequacy of today's rates, our huge cash flow
17 shortfall and the imminent in service of Bipole III.

18 We would obviously love to see better
19 growth, higher export prices and lower interest rates
20 than are in our forecast. Those forecasts were
21 prepared with a lot of care and outside expert --
22 expertise, but they're telling us that right -- but
23 that's what they're telling us right now, is -- is the
24 outlook we've shown here.

25 We'll continue to work diligently to

1 make the best choices we can with scarce capital and
2 to bring our major projects into service ahead of time
3 and ahead of budget, but we shouldn't make this year's
4 rate choice, assuming all of that happening, because
5 when it doesn't we'll be a far worse place.

6 Successive forecast after successive
7 forecast have been too optimistic on the major growth
8 and capital drivers of our business. We have to be
9 more defensive in how we approach rates.

10 Finally, we'll hear that this isn't
11 fair to the current generation of ratepayers. Well it
12 most certainly isn't fair to park an overinflated and
13 unsustainable debt burden on the next generation.
14 Moreover, it's clear that rates haven't kept up with
15 the cost of the system and effectively no material
16 contribution to reserves have been made in almost ten
17 (10) years. So if anyone has been treated unfairly it
18 has not been today's ratepayer.

19 MR. KELVIN SHEPHERD: Slide 79. This
20 has been a long presentation this afternoon and I want
21 to thank the panel, Intervenors, and others in
22 attendance or watching remotely for your attention and
23 your patience.

24 In closing, I believe we have
25 demonstrated that Manitoba Hydro's business outlook

1 has deteriorated significantly since the last full
2 rate hearing. Manitoba Hydro's previous financial
3 plan was inadequate and risky, and has failed. As a
4 result, Manitoba Hydro's financial condition is
5 unsustainable, with debt levels growing out of
6 proportion to the revenues required to support them.

7 Manitoba Hydro has been borrowing money
8 to make its operating and debt payments and is in a
9 cash flow deficit. So a new plan is required and is
10 being presented to the Board during this rate
11 application. We believe taking action now, and having
12 a realistic plan to restore Manitoba Hydro's financial
13 strength and return to self-supporting status over ten
14 (10) years is absolutely required.

15 However, the Board is only being asked
16 to approve the current rate request which by itself is
17 inadequate to fully address the current cash
18 deficiency and the costs of Bipole III, which will go
19 into service within a year.

20 In my view, the evidence presented
21 demonstrates that the Board cannot be wrong in
22 approving the rate increase Manitoba's requesting, and
23 that by doing so it will create a much higher
24 likelihood of stable and lower rates over the longer
25 term.

1 Thank you once again and that concludes
2 our prepared remarks and we're available for
3 questions.

4 THE CHAIRPERSON: Thank you very much.
5 You know what, we're going to take ten (10) minutes
6 and then we'll -- then we'll start with cross-
7 examination. Thank you.

8

9 --- Upon recessing at 4:08 p.m.

10 --- Upon resuming at 4:23 p.m.

11

12 THE CHAIRPERSON: If we could -- if we
13 could start, Mr. Peters.

14

15 CROSS-EXAMINATION BY MR. BOB PETERS:

16 MR. BOB PETERS: Yes, thank you, Mr.
17 Chair, Board members. Good afternoon, Mr. Shepherd,
18 Mr. McCallum.

19 I take it, gentlemen, this will be your
20 first time testifo -- testifying before the Public
21 Utilities Board?

22 MR. KELVIN SHEPHERD: Yes, it is.

23 MR. BOB PETERS: Welcome. And on a
24 few preliminary matters, just so that we can be clear
25 -- and I think my preliminary matters may spill over

1 to other counsel -- so we understand, Mr. McCallum,
2 you will also appear on the next panel of Manitoba
3 Hydro, which we call the Revenue Requirement Panel.

4 Would that be correct?

5 MR. JAMES MCCALLUM: Yes.

6 MR. BOB PETERS: All right. And, Mr.
7 Shepherd, you will not be on any further witness
8 panels.

9 MR. KELVIN SHEPHERD: No, I do not
10 plan to be.

11 MR. BOB PETERS: All right. So while
12 I may direct most of my initial questions to you, Mr.
13 Shepherd, I'm sure, Mr. McCallum, there'll be
14 opportunity for you as well.

15 And before I begin, I'd like to remind
16 both of you that -- and also your counsel, that the
17 questions that are asked by Board members or by their
18 counsel are not intended to elicit responses that
19 would place information that Hydro believes is
20 confidential or commercially sensitive on the public
21 record.

22 Would you accept that?

23 MR. KELVIN SHEPHERD: Yes, thank you.

24 MR. BOB PETERS: And for those who are
25 observing this from afar and aren't familiar with the

1 procedure, Mr. Shepherd, Manitoba Hydro has filed I'll
2 say every piece of information that's been requested
3 of them from the Public Utilities Board and others.

4 Is that your understanding?

5 MR. KELVIN SHEPHERD: That's my
6 understanding, yes.

7 MR. BOB PETERS: And, sir, when some
8 of that information is considered by Manitoba Hydro to
9 be confidential and Manitoba Hydro doesn't want it on
10 the public record, Manitoba Hydro has still filed it
11 with the Public Utilities Board and has asked the
12 Board to keep it confidential, correct?

13 MR. KELVIN SHEPHERD: Yeah, that's my
14 understanding of the process.

15 MR. BOB PETERS: And, sir, that -- the
16 reasons ,just for those again who might be from afar,
17 that Manitoba Hydro is asking that materials be kept
18 confidential and not put on the public record, can you
19 just give a couple of examples that would explain
20 that.

21 MR. KELVIN SHEPHERD: Sure. I think a
22 couple of examples, one (1) would be where --
23 potentially, it would put proprietary information that
24 was provided to us as part of a proposal or a project
25 from third party on the public record, and we have a

1 confidentiality or non-disclosure obligation because
2 it would be commercially sensitive for that vendor.
3 So that might be one (1) example.

4 Another very pertinent one, is that
5 clearly we have to negotiate export contracts and
6 arrangements and -- and those contracts are, you know,
7 with different utilities, different customers, and
8 have different terms. And so while were perfectly
9 happy to talk about aggregate information, the details
10 of individual arrangements are commercially sensitive.

11 MR. BOB PETERS: Thank you for that,
12 Mr. Shepherd. Should there be responses that Hydro
13 wants to provide to the Board that do contain
14 confidential or commercially sensitive information,
15 your counsel and you are aware of the process for
16 that, and that would include even an -- in-camera
17 hearings before this Board. And so that would be the
18 route to follow if that was your intention.

19 Would that be acceptable?

20 MR. KELVIN SHEPHERD: Yes, I believe
21 so.

22 MR. BOB PETERS: All right. And,
23 however, you did -- you did, perhaps, hit on it that
24 to promote the maximum transparency in the public
25 hearing, my request is that you would attempt to first

1 respond using information that is not considered
2 confidential by Manitoba Hydro. And that, by way of
3 example, could be the aggregated information that you
4 indicated without disclosing the components of the
5 aggregate?

6 MR. KELVIN SHEPHERD: Yes, we will do
7 our best to -- to answer the question. And if we
8 believe it can't be answered without getting into
9 confidential matters, we'll indicate that.

10 MR. BOB PETERS: Thank you, sir. And
11 as was noted in the Chair's opening comments, the
12 Board has direction from the Ombudsman's office,
13 related to the information that is publicly
14 disseminated. So my questions of Manitoba Hydro do
15 not seek to disaggregate any of that information, such
16 that an individual customer could be identified.

17 Would that be acceptable?

18 MR. KELVIN SHEPHERD: Yes.

19 MR. BOB PETERS: All right. And, Mr.
20 Chair, Board members, and Manitoba Hydro witnesses,
21 ladies and gentlemen, in an effort to be efficient,
22 we've assembled various documents into what we call
23 Board Counsel's Book of Documents, and the first four
24 have been filed on the -- on the Board's website.
25 They are marked as exhibit PUB-42-1 through 42-4.

1 So, to the greatest extent possible, my
2 questions -- I'll refer to those exhibits and the
3 documents are there, and -- and I'm -- in a form
4 that'll be available for those who are following the
5 transcripts, as well as online.

6 Mr. Shepherd, if we could then begin,
7 you've indicated in your opening comments that your
8 appointment to Manitoba Hydro as president and CEO may
9 have been announced in November of 2015, but you
10 started in December of 20 -- 2016?

11 MR. KELVIN SHEPHERD: December 7th, to
12 be exact. Pearl Harbor Day.

13 MR. BOB PETERS: And you're
14 responsible for leading the executive management team
15 and overseeing all strategic, operational, and
16 financial facets of Manitoba Hydro?

17 MR. KELVIN SHEPHERD: Yes, that's
18 true.

19 MR. BOB PETERS: And you report to the
20 Manitoba Hydro Board of Directors?

21 MR. KELVIN SHEPHERD: Yes.

22 MR. BOB PETERS: And, Mr. McCallum,
23 before I turn to you, sir -- Mr. Shepherd I may have
24 misspoke. Mr. Shepherd, you indicated that you had
25 celebrated your second anniversary, I think. Or maybe

1 it was this week with Manitoba --

2 MR. KELVIN SHEPHERD: This week.

3 MR. BOB PETERS: It's tomorrow -- or

4 no, it's -- you said the 7th, so it's this week.

5 So I may have misspoke. Your -- your
6 starting date was 2015 with the Corporation?

7 MR. KELVIN SHEPHERD: December 7th,
8 2015, yes.

9 MR. BOB PETERS: All right. Thank
10 you, sir.

11 And, Mr. McCallum, your starting date
12 was in -- also in 2016 or '15?

13 MR. JAMES MCCALLUM: It was in 2016.
14 I'm not as good as Mr. Shepherd with the exact dates,
15 but it was the Tuesday after Labour Day, September
16 2016.

17 MR. BOB PETERS: And can you -- you're
18 the Vice-President Finance and Strategy Officer,
19 according to the materials you provided, correct?

20 MR. JAMES MCCALLUM: My formal title
21 is Chief Finance and Strategy Officer, but I am a
22 Vice-President of the Corporation.

23 MR. BOB PETERS: And can you explain
24 briefly what does the Chief Strategy Officer do for
25 Manitoba Hydro.

1 MR. JAMES MCCALLUM: Well, the Chief
2 Finance and Strategy Officer has a number of
3 functions. I am responsible with my colleagues for
4 the Corporate Control Group, which does financial
5 reporting and management reporting. I have
6 responsibility for the treasury function, where we
7 raise the debt and manage -- manage our cash position.
8 I have responsibility for internal audit. I have
9 responsibility for rates and regulatory affairs. And
10 I am responsible for a unit called Strategic Business
11 Integration, where we combine some of our corporate
12 level asset management initiatives along with the
13 financial and strategic planning.

14 MR. BOB PETERS: I take from that
15 answer, that strategy implies more than just one (1)
16 approach to many issues. And so in coming up with
17 strategies, such as for rate increases, you have to
18 consider a number of options?

19 MR. JAMES MCCALLUM: I'd say that's a
20 fair statement.

21 MR. BOB PETERS: And was there anybody
22 doing this before you assumed that position, sir?

23 MR. JAMES MCCALLUM: Well, per --
24 perhaps I'll have to -- I'll take an attempt, but if I
25 miss the mark I'm sure you'll -- you'll ask a

1 clarifying question. But I would differentiate
2 perhaps between the corporate strategy which is an
3 area I'm -- I'm with the CEO responsible for, and
4 strategies around a financial plan, and -- and really
5 is, you know, one (1) element of that, a rate increase
6 strategy.

7 But there have always been people at
8 Manitoba Hydro who have been responsible for all of
9 these things. They haven't necessarily rolled up into
10 the same vice-president's office, but -- but there
11 have always people responsible for these things. Does
12 -- does that help?

13 MR. BOB PETERS: Thank you, yes. I'd
14 like to turn to the PUB Exhibit 42-1, which is the
15 first book of documents, over to page 5, if I could.

16

17 (BRIEF PAUSE)

18

19 MR. BOB PETERS: Thank you. And
20 specifically on this page we will scroll down and see,
21 starting on lines 23, that Manitoba Hydro is first
22 asking that the three three (33) -- three point three
23 six (3.36) interim rate accre -- increase that was
24 granted August 1st of 2016 be approved as final, with
25 no changes in that amount.

1 Have I got that correct?

2 MR. KELVIN SHEPHERD: Yes, that's
3 correct.

4 MR. BOB PETERS: And while Vice-Chair
5 Kapitany asked about that matter, Hydro acknowledges
6 that the Board can review it, and the Board can make
7 decisions whether it was appropriate, whether it was
8 too much or too little and adjusting accordingly?

9 MR. KELVIN SHEPHERD: Yes, that's our
10 understanding.

11 MR. BOB PETERS: All right. And
12 turning to the point number 2, Manitoba Hydro asked
13 for approval on an interim basis of 7.9 percent,
14 effective August 1st of 2017.

15 And we've already heard that the Board
16 awarded Manitoba Hydro 3.36 percent, effective August
17 1st of 2017, correct?

18 MR. KELVIN SHEPHERD: Yes.

19 MR. BOB PETERS: And I take it, Mr.
20 Shepherd, from your exchange with the Vice-Chair, that
21 Manitoba Hydro is not asking for any changes to the
22 amount of 3.36 percent that was awarded that date?

23 MR. KELVIN SHEPHERD: No, we've chosen
24 to focus on the go-forward rate application, although
25 we understand the Board can ask to confirm the interim

1 rate and can revisit if they want.

2 MR. BOB PETERS: On page -- we --
3 we've got it in a number of places in your
4 presentation, Mr. Shepherd, but on that Tab 5, page 68
5 of the Board counsel book of documents, we see that
6 the revised rate plan that Manitoba Hydro has put
7 before the Board includes the 7.9 percent, extending
8 for six (6) years, followed by the four point five
9 four (4.54) for one (1) year and 2 percent thereafter.

10 Have I got that right?

11 MR. KELVIN SHEPHERD: Yes, that's
12 correct.

13 MR. BOB PETERS: And so what Manitoba
14 Hydro did was they mathematically calculated what the
15 impact of not getting the 7.9 percent rate increase
16 was in the first year that it was requested, and then
17 in essence added it onto the back-end.

18 MR. KELVIN SHEPHERD: Yes.

19 Essentially, we flowed that through the financial
20 model.

21 MR. BOB PETERS: And while Mr.
22 McCallum warned us with pages of numbers, and there's
23 unfortunately a lot of them -- but if we turn to page
24 179 of Board counsel's book of documents, Exhibit 42-
25 1. The panel will have Manitoba Hydro's Integrated

1 Financial Forecast, IFF as we abbreviate it, was
2 number 16, or for the year 2016. And this one
3 contains Manitoba Hydro's update, and it also includes
4 the impact of the 3.36 percent interim award awarded
5 on August the 1st of 2017, correct?

6 MR. KELVIN SHEPHERD: Yes, that's
7 true. And if we go down to the rate increase line
8 which is near the bottom of the page, and it says,
9 "additional domestic revenue," and then underneath
10 that it says, "percent increase," we see under the
11 2018 column that the 3.36 percent number is embedded.
12 And that now is being accepted by Manitoba Hydro and
13 allowing the Board to determine whether that was
14 appropriate or not?

15 MR. KELVIN SHEPHERD: Yes. So though
16 -- I think I -- I would just add that we did receive
17 instruction from the -- from the Board to update the
18 forecast based upon assuming the interim, and so we
19 had to make a decision about how to incorporate that
20 into the forecast.

21 And so we've chosen to incorporate it
22 this way by keeping basically our overall ten (10)
23 year plan intact and by including the thee point three
24 six (3.36), as we were requested to do so by the
25 Board. That's why we call it MH16 Update With

1 Interim.

2 MR. BOB PETERS: And on that same
3 page, 179, of Exhibit 42-1, we see near the top of the
4 page under the column of 2018, there's additional
5 domestic revenue of \$37 million standing out.

6 Do you notice that?

7 MR. KELVIN SHEPHERD: Yes.

8 MR. BOB PETERS: That represents the
9 additional revenue in Manitoba Hydro's fiscal 2018
10 year that will be generated from the 3.36 percent rate
11 increase.

12 Is that correct?

13 MR. JAMES MCCALLUM: It -- it's mostly
14 correct. That's -- that's certainly the additional
15 rate receipts that will come into Manitoba Hydro as a
16 consequence. But due to the direction of the Board to
17 defer the new revenue to the Bipole III reserve
18 account, that won't actually flow through to revenue
19 as -- as an accounting term.

20 MR. BOB PETERS: All right. We'll --
21 we'll come to that. And probably more than a nuance,
22 but we'll deal with that, Mr. McCallum, in a --
23 probably tomorrow.

24 And, Mr. Shepherd, looking on that same
25 page 179, we look out and we see the last two (2)

1 items under 2026 and 2027, we go down to the rate
2 increase line, and we see the 2 percent number,
3 correct?

4 MR. KELVIN SHEPHERD: That's correct.

5 MR. BOB PETERS: Is that a promise
6 from Manitoba Hydro that it'll be 2 percent in those
7 fiscal years?

8 MR. KELVIN SHEPHERD: No, it's not a
9 promise. It's simply an estimate of what we believe
10 the inflationary increases would approximate. But a
11 plan is not a promise; a plan is simply a forecast.

12 MR. BOB PETERS: And it's not even --
13 in terms of a plan, it's -- it's -- the calculation of
14 this IFF was set, so that it recovered your ratio, a
15 debt ratio by 2027 -- I guess, more accurately an
16 equity ratio by 2027, and the rate increase numbers
17 just fell out of the calculations.

18 Would that be an acceptable way to
19 describe it?

20 MR. KELVIN SHEPHERD: I think so. You
21 could choose different rate profiles over ten (10)
22 years to get to the same -- same point. But because
23 we had originally proposed five (5) years of seven
24 point nine (7.9), when we updated this with the
25 interim three point three six (3.36), we chose to

1 extend out the seven point nine (7.9) additional
2 years, versus, you know, trying to come up with a
3 totally different rate proposal.

4 MR. BOB PETERS: And, Mr. Shepherd, if
5 we turn one (1) page to page 180, and we're looking
6 down at the bottom of that page in the right-hand
7 corner, we see that, under the equity percentage line,
8 Manitoba Hydro expects by 2036, some twenty (20) years
9 hence, to have a 64 degree -- 64 percent equity struc
10 -- in their structure, correct?

11 MR. KELVIN SHEPHERD: I probably --
12 I'll answer, you know, briefly and then I'll turn it
13 over to Jamie for a bit more elaboration here.

14 But I would say that our focus has been
15 predominantly on achieving our ten (10) year plan. We
16 made assumptions around an ongoing 2 percent level of
17 annual rate increase, on the basis of sort of it being
18 inflationary rate increases.

19 But I would not interpret the 2036
20 time-frame as a -- as an objective. It's simply an
21 outcome of the model.

22 MR. JAMES MCCALLUM: I -- I would both
23 echo that in and -- and just reiterate that the focus
24 was on the next ten (10) years. And in fact, in
25 evidence and -- and I can't, off the top of my head,

1 quote the specific Round 1 Information Request,
2 although it was from the Public Utilities Board, asked
3 us if this was our -- our goal, and it is not. We do
4 not have a goal to build 64 percent equity structure.

5 MR. BOB PETERS: I hear that answer,
6 Mr. McCallum, that the goal is 25 percent, and at that
7 point in time you'll take stock of where things are?

8 MR. JAMES MCCALLUM: I think that's
9 fairly put.

10 MR. BOB PETERS: And for the Board
11 panel members who are new to looking at these
12 integrated financial forecasts and these are sheets of
13 numbers, Mr. McCallum and Mr. Shepherd, would it be
14 appropriate to call the Integrated Financial Forecast
15 as Manitoba Hydro's master planning tool, which is a
16 culmination of all internal forecasts and assumptions?

17 MR. KELVIN SHEPHERD: In effect that's
18 what it does. It brings together a number of
19 different key forecasts, some of which are operational
20 such as water-flow assumptions, some which are
21 financial. It brings them together into an integrated
22 forecast.

23 MR. BOB PETERS: Okay, let's turn then
24 if we could gentleman to the -- the last of the test
25 years, where the rate -- the years in which rate

1 increases are being sought. And we see way back on
2 page 5 again that Manitoba Hydro is seeking 7.9
3 percent increase for all components of rates for all
4 customer classes, effective April 1st, 2018, correct?

5 MR. KELVIN SHEPHERD: Yes.

6 MR. BOB PETERS: Why April 1st of
7 2018?

8 MR. KELVIN SHEPHERD: Jamie, do you
9 want to elaborate on the timing?

10 MR. JAMES MCCALLUM: I don't think
11 there's necessarily any magic in April 1st, the 2018,
12 other than the -- the dark magic, I guess, of
13 compounding. Insofar as the rate increase comes in at
14 a later date, it is less effective at generating the
15 cash flow we need.

16 But April 1st, I think, you know, for
17 practical purposes aligns with the beginning of our
18 fiscal year.

19 MR. BOB PETERS: Do I take from that
20 answer, Mr. McCallum, that a rate increase in the
21 calendar year is important because of compounding, in
22 the earlier you get it, the more opportunity for
23 additional revenues in the year in which you get it?

24 MR. JAMES MCCALLUM: That's correct.

25 MR. BOB PETERS: And, from Manitoba

1 Hydro's perspective, what period of time should elapse
2 between rate increases to your consumers?

11 And so that's why we've -- we've
12 identified two (2) rate increases in the space of a
13 year. And subsequently we go back to the annual rate
14 profile.

15 MR. BOB PETERS: Does that annual
16 profile start each year on the commencement of the
17 fiscal year, Mr. Shepherd?

18 MR. JAMES MCCALLUM: Yes, that's the
19 assumption that's in the financial model.

20 MR. BOB PETERS: Mr. McCallum, just to
21 pick up on that there's no magic comment that you made
22 -- I actually wrote that down in my notes -- the 7.9
23 percent is -- is the -- and this isn't meant
24 pejoratively -- but is the magic in that number,
25 optically it's less than 8 percent? That's --

1 that's...

2 MR. JAMES MCCALLUM: No. It -- it's
3 that's not where it comes from. When you -- when you
4 look back to our original financial plan as -- as
5 submitted in the May, we had five (5) years of 7.9
6 percent rate increases. And what we were really
7 talking about doing there was doubling the rate of
8 increases for a much shorter period of time in order
9 to accelerate rate increases to produce the revenue
10 and cash to -- to deal with what we regard is a
11 difficult fiscal situation.

12 So it's a doubling of the past 3.95
13 percent.

14 MR. BOB PETERS: And mathematically,
15 that 7.9 percent annual rate increase approximates 125
16 or \$127 million of additional revenue if you have it
17 for the full twelve (12) months? If you take that
18 subject to check, and your counsel will tell you that
19 when I put numbers on the record it is wise to check
20 them.

21 MR. JAMES MCCALLUM: Yeah, that -- I
22 just wanted to turn to the model which I lost the --
23 the page on. But -- but that sounds directionally
24 correct; that would be built over and on top of the
25 3.36 percent that was a put into rates under Order

1 80/17.

2 MR. BOB PETERS: I'm not sure you'll
3 get the math on page 179 that you were looking for,
4 Mr. McCallum, but I -- we'll -- we'll proceed on that
5 basis and if it changes you'll tell me.

6 And so if we do the math further, that
7 7.9 percent, or \$127 million annually for a full 12
8 months, it works out to approximately \$16 million per
9 percentage point of the rate increase that Manitoba
10 Hydro is seeking.

11 MR. JAMES MCCALLUM: I'm sorry, Mr.
12 Peters, can you repeat the question.

13 MR. BOB PETERS: You were checking my
14 math, weren't you?

15 MR. JAMES MCCALLUM: I was -- I was on
16 the latter question, I admit it.

17 MR. BOB PETERS: Mr. McCallum, the
18 \$127 million annually works out to about \$16 million
19 per percentage point of the 7.9 percent that you're
20 seeking?

21 MR. JAMES MCCALLUM: That -- that
22 sounds about right. \$127 million divided by 8 percent
23 would be about that per percentage point.

24 MR. BOB PETERS: And just so that
25 we're all clear in this room and those watching from

1 afar, Manitoba Hydro's request for rate increases back
2 on page 179, it stops at, in this hearing, with the
3 7.9 percent rate increase in your fiscal 2019 year.

4 MR. JAMES MCCALLUM: That's correct.

5 Our fiscal 2019 year begins on April the 1st of 2018.
6 Perhaps at another time we can talk about moving to a
7 calendar year-end, because I think it would be easier.

8 But that's right, it's April 1st, 2018,
9 which is the last of the rate increases on the agenda
10 here.

11 MR. BOB PETERS: Is Manitoba Hydro
12 required to use the province's fiscal year?

13 MR. JAMES MCCALLUM: We are. It'll be
14 a short discussion.

15 MR. BOB PETERS: And so, Mr. Shepherd,
16 when we look on page 179 at the rate increases in the
17 years 2020 and beyond, those are indicative rate
18 increases they're not promises, is what I've heard you
19 say already?

20 MR. KELVIN SHEPHERD: That's correct.
21 They're provided to provide general direction and a
22 plan.

23 MR. BOB PETERS: And that's -- this is
24 Manitoba Hydro's current and most latest plan, is
25 demonstrated on page 179?

1 MR. KELVIN SHEPHERD: I believe that's
2 true. There are things that will change in subsequent
3 forecasts, but this was the latest forecast and the
4 best at the time of filing.

5 MR. BOB PETERS: Maybe I'll jump there
6 now, although I -- I was going to get to it. But when
7 you say you -- Manitoba Hydro has already provided
8 this Board with its second quarter update, correct?

9 MR. KELVIN SHEPHERD: Yes, that's
10 right.

11 MR. BOB PETERS: And this morning and
12 -- this afternoon, I should say, in your presentation
13 you provided the Board with revised estimates as to
14 net income for 2018, correct?

15 MR. KELVIN SHEPHERD: Yeah. Updated
16 as of the second-quarter report.

17 MR. BOB PETERS: All right. Are there
18 any financial updated reports that Manitoba Hydro has
19 that they haven't provided to the Public Utilities
20 Board in this rate case?

21 MR. KELVIN SHEPHERD: Not to my
22 knowledge. Jamie, could I ask you to confirm,
23 perhaps, but...

24 MR. JAMES MCCALLUM: Well, we -- we're
25 -- we're constantly in a process of -- of updating our

1 financial information and the key inputs to the model.
2 I -- I -- you know, I am not aware of anything that we
3 haven't made the Board aware of in this process.

4 MR. BOB PETERS: The latest financial
5 information that Manitoba Hydro has provided though,
6 has been through the second-quarter report, correct?

7 MR. JAMES MCCALLUM: That's our latest
8 outlook on the fiscal 2017/'18 results.

9 MR. BOB PETERS: Has Manitoba Hydro
10 prepared a new integrated financial forecast based on
11 the second-quarter results, and everything that's
12 happened before that?

13 MR. JAMES MCCALLUM: No, we have not.

14 MR. BOB PETERS: That's not your
15 intention?

16 MR. JAMES MCCALLUM: It is not our
17 intention.

18 MR. BOB PETERS: Mr. Shepherd, while
19 my colleague will cover the specific asset -- aspects
20 with respect to Manitoba Hydro's rate panel, would
21 this Board be correct in understanding that, in this
22 General Rate Application, Manitoba Hydro is not
23 proposing conservation rates?

24

25 (BRIEF PAUSE)

1 MR. KELVIN SHEPHERD: I just wanted to
2 check. But no, I don't believe we are actually
3 proposing to implement conservation rates.

4 MR. BOB PETERS: And, Mr. Shepherd,
5 Manitoba Hydro is not proposing electric heat customer
6 rates either?

7 MR. KELVIN SHEPHERD: No. I know
8 there's been some discussion, but we're not proposing
9 that.

10 MR. BOB PETERS: And Manitoba Hydro is
11 not proposing bill affordability rates?

12 MR. KELVIN SHEPHERD: No, I do not
13 believe we are proposing anything specific around bill
14 affordability rates.

15 MR. BOB PETERS: And lastly, it's my
16 understanding and I'll ask you to confirm, that
17 Manitoba Hydro is not proposing any time-of-use rates
18 for any of its customers in this application either?

19 MR. KELVIN SHEPHERD: No, we are not.

20 MR. BOB PETERS: All right. And would
21 this Board be correct in understanding that Manitoba
22 Hydro's motivation for not proposing conservation
23 rates or electric heat rates or bill affordability
24 rates or time-of-use rates is that Manitoba Hydro has
25 determined that a 7.9 percent rate increase is high

1 enough, and any of these other rate adjustments would
2 result in some customers paying in excess of 7.9
3 percent?

4 MR. KELVIN SHEPHERD: Well, the
5 details of rate design are complex, but that is
6 certainly a factor that we -- that we discussed, yes.

7 MR. BOB PETERS: And when you say it's
8 a factor -- maybe we'll leave it to -- to the other --
9 the rates panel to get the specifics, but from a
10 policy perspective, should this Board understand that
11 Manitoba Hydro has no appetite to look at new rate
12 structures that I've mentioned, because that will
13 cause some consumers rates to exceed the already 7.9
14 percent proposal?

15 MR. KELVIN SHEPHERD: Perhaps at a
16 policy level, I can say that we did discuss a number
17 of different things that come into play around rate
18 design and we made a decision to seek a uniform 7.9
19 percent rate increase, understanding that some of
20 these other, you know, rate options would necessarily,
21 you know, differentiate rate increases and cause some
22 increases to be higher and some lower.

23 And we felt during this hearing that
24 the focus should be on the -- on the ten (10)
25 financial plan and the 7.9 percent and -- and -- so we

1 haven't moved forward with those other options. That
2 doesn't mean those options are somehow off the table
3 for future discussion but we simply did not propose
4 for this hearing.

5 MR. BOB PETERS: But doesn't that
6 mean, Mr. Shepherd, that those other options for
7 conservation rates or electric heat rates or bill
8 affordable rates or time of use rates are off the
9 table so long as Manitoba Hydro is proposing a 7.9
10 percent rate plan?

11 MR. KELVIN SHEPHERD: No, I don't
12 believe so. I think given all of the factors that we
13 had going into this rate application, including
14 timing, and some very significant issues on the table,
15 we didn't feel it was the right time to propose those
16 options.

17 But if you're suggesting they would be
18 off the table for three (3), four (4), or five (5)
19 years, I wouldn't agree with that. They -- they are
20 future options.

21 MR. BOB PETERS: So Manitoba Hydro
22 hasn't made a policy decision to put those on the back
23 burner until the 7.9 percent has run its course?

24 MR. KELVIN SHEPHERD: No, we simply
25 were not prepared to move ahead in this particular

1 rate application given all the other things we had on
2 our table at the time, but, there's no suggestion that
3 those couldn't be considered in future rate hearings.

4 MR. BOB PETERS: All right, thank you.

5 Mr. Shepherd, I took from your presentation today and
6 I'd ask you to tell me if I'm correct in understanding
7 your presentation as indicating that Manitoba Hydro
8 has a capital problem not an operating problem?

9 MR. KELVIN SHEPHERD: Yes, I think
10 fundamentally it's an issue around debt and our
11 capital structure. Clearly, we are working on the
12 operational part of our business. We're seeking
13 efficiency. We're making operational reductions. And
14 so there is work that -- that can be done and will be
15 done there, but the fundamental underlying problem, in
16 my view, is one (1) of the major capital expansion and
17 the amount of debt that has been taken on not the
18 operating part of the business per se.

19 MR. BOB PETERS: But bluntly, the
20 capital problem is the Keeyask generating station?

21 MR. KELVIN SHEPHERD: I would say it's
22 not just Keeyask, Bipole is \$5 billion of the problem
23 and has no revenue with it and Keeyask, although it's
24 a -- a major capital expenditure at least does come
25 with some incremental revenue. So it's the sum total

1 of that expansion problem, and probably, more
2 importantly, the reliance on debt to fund it entirely
3 and the inability of rates to really -- current rates
4 and rates prior to taking on the projects supporting
5 that level of debt.

6 MR. BOB PETERS: And you don't
7 disagree that Manitoba Hydro knew going into those
8 projects that it was going to be debt funded?

9 MR. KELVIN SHEPHERD: Oh I think it's
10 fairly obvious that that was part of the plan, yes.

11 MR. BOB PETERS: Would this Board be
12 correct in understanding that Manitoba Hydro's current
13 Board of Directors would not have approved the
14 building of Keeyask if -- if this Board was consulted
15 at the time that Keeyask was supposed to be
16 constructed?

17 MR. KELVIN SHEPHERD: Well, I believe
18 the chair of our board has publicly made that
19 statement.

20 MR. BOB PETERS: And so Keeyask was
21 started. Was it back in 2008 or 2009? Maybe subject
22 to check, looking at capital expenditure --

23 MR. KELVIN SHEPHERD: I -- I would
24 have to check the exact dates, but I know there were -
25 - I mean, there's a good question as to when it starts

1 because the consultation and licensing period probably
2 started before that.

3 MR. BOB PETERS: And Mr. Shepherd, if
4 I can take from your answer that the current Board of
5 Directors of Manitoba Hydro would not have proceeded
6 with Keeyask, can I also take that the current Board
7 of Directors would have proceeded with the Bipole III?

8 MR. KELVIN SHEPHERD: I think it's
9 safe to say after a pretty in-depth review, the
10 current Board concluded that Bipole III is a required
11 reliability project. They would have perhaps
12 different views about aspects of the project; in
13 particular, timing that it should have been completed
14 in or the route -- route of the line, but I believe
15 that they would concur that the project itself is
16 important and essential.

17 MR. BOB PETERS: Can I take from that
18 answer, sir, that the current Board of Directors
19 would've approved the Bipole project probably even if
20 they knew what the \$5 billion of costs were going to
21 be?

22 MR. KELVIN SHEPHERD: You know, I
23 don't want to -- I don't want to put words into my
24 board or the chair of the Board. I simply will tell
25 you that they concluded after the review that Bipole

1 was a project that was important, was required to
2 ensure the reliability of the electrical system in
3 Manitoba; was probably overdue, and therefore they
4 believe that it's a project that needed to -- to go
5 ahead and -- and they approved continuing with it.

6 MR. BOB PETERS: All right, thank you
7 and I -- I respect you don't want to put words in your
8 board's mouth and just understand that I am trying to
9 put words into your mouth and you'll correct me if I'm
10 -- if I'm wrong on that, sir.

11 Mr. Shepherd, while your current Board
12 of Directors would not have proceeded with Keeyask,
13 why as Manitoba Hydro's president and CEO in 2015
14 didn't you cancel Keeyask?

15 MR. KELVIN SHEPHERD: So let me -- let
16 me give you a bit of perspective on that. So I
17 mentioned I started with Manitoba Hydro in early
18 December 2015. I was hired by the then Board that was
19 in place and the chair that was in place. I had
20 perhaps a week of spare time between my previous job;
21 considering I was also chairing the United Way
22 campaign at that point in time before I joined Hydro.

23 So I'd done some research prior to
24 coming to them, but I think reading public
25 information, public records only gets you so far. So

1 some of the things I did when I came to the Company
2 are the things that you would expect anybody to do. I
3 received briefings and orientation from my executive
4 team in I believe it was January. I actually went to
5 Keeyask to visit the site; saw the -- the construction
6 progress and -- and the status of it. I received
7 briefings on both Keeyask and Bipole from the vice-
8 president that was currently in charge of major
9 projects at that time.

10 And I did that go through, not
11 immediately, but certainly over the subsequent, you
12 know, couple months a set of -- of examinations of the
13 projects with the team where I asked what if
14 questions, but I concluded fairly early on that the
15 level of expenditure, the progress on the project,
16 coupled with other factors which are very important.
17 Our partnership agreement with our four (4) Keeyask
18 Cree Nation partners, the export contracts that we had
19 entered into with our US customers, all of these
20 things really made Keeyask a project that would be
21 very difficult and -- and, in my conclusion, really
22 economically impossible to back out of at that point
23 in time.
24 So I had concluded in early 2016, at
25 least to my satisfaction having looked at a number of

1 options, that the project would proceed. Now, I also
2 understood fairly clearly that there were risks with
3 the project. At that point in time, I would say that
4 the risk of the cost escalation was simply that, a
5 risk. It would not have been until much later in 2016
6 that some of the factors that lead to the Keeyask cost
7 escalation would've become apparent to the project
8 team or -- or to myself. But I certainly understood
9 there was risk.

10 So I can tell you that my perspective
11 fairly early on was the Keeyask was a project that was
12 at a stage that it was really not viable to pause for
13 any significant period of time, or to halt.

14 MR. BOB PETERS: That view that you
15 had was shared by your then Manitoba Hydro Board of
16 Directors?

17 MR. KELVIN SHEPHERD: Yes, I -- I
18 believe the -- the Board at the time who did receive
19 regular briefings on these projects and the status of
20 the projects, certainly none of them, to my -- best of
21 my recollection ever suggested that we should pause or
22 halt Keeyask.

23 MR. BOB PETERS: So one (1) of the key
24 drivers that I take from your presentation today, sir,
25 that's behind the current rate increase and the

1 trajectory of rate increases is the financing costs
2 and the pending increases in the in-service costs of
3 first Bipole, and then the Keeyask generating station;
4 would that be correct?

5 MR. KELVIN SHEPHERD: Certainly
6 capital cost escalations are one (1) factor.

7 MR. BOB PETERS: And then the in-
8 service costs that have to be paid for when those
9 projects come in service is another concern?

10 MR. KELVIN SHEPHERD: The, you know,
11 if I went through and listed the concerns, there would
12 be several, but I think we've outlined in our
13 presentation a number of key underlying forecasts and
14 assumptions in the financial plan have deteriorated
15 significantly over the last year or year and a half.
16 So, capital cost escalation is a key one; that in
17 itself does drive up additional debt and borrowing and
18 -- and creates additional pressures.

19 Export price forecasts and
20 deterioration in export pricing is another significant
21 factor. As well as, you know, changes in the forecast
22 for domestic load growth which have the impact of
23 really, you know, pushing out the date when domestic
24 consumption of Keeyask power, in particular, is
25 required.

1 MR. BOB PETERS: Let me just touch on
2 those last two (2) briefly, and I know we're going to
3 get into them in greater detail with the panels but
4 Manitoba Hydro's export price forecast has been
5 reduced from what was previously before this Board and
6 what was in your previous integrated financial
7 forecasts?

8 MR. KELVIN SHEPHERD: Yes, that's
9 true.

10 MR. BOB PETERS: And is also true, Mr.
11 Shepherd, that the export price forecast has been
12 adjusted by Manitoba Hydro which has caused there to
13 be a lower export price forecast?

14 MR. KELVIN SHEPHERD: Could I perhaps
15 ask counsel for a little clarification.

16 MR. BOB PETERS: Yeah, let me -- let
17 me try that again.

18 MR. KELVIN SHEPHERD: When you -- when
19 you say "adjusted by Manitoba Hydro," adjusted
20 from...?

21 MR. BOB PETERS: Manitoba Hydro made
22 some adjustments to its export load forecast as it
23 took out a couple of components that used to be in it.

24 Are you familiar with that?

25 MR. KELVIN SHEPHERD: Yes. So if --

1 MR. BOB PETERS: I think -- I think
2 that's on the public record.

3 MR. KELVIN SHEPHERD: Yeah. Yeah, so
4 if -- if -- are we -- are we talking load forecast or
5 --

6 MR. BOB PETERS: No, I was talking
7 export.

8 MR. KELVIN SHEPHERD: Price. But you
9 said export load. I think you're talking about export
10 price forecast or export load? I just want to --

11 MR. BOB PETERS: I'm talking the
12 export price forecast.

13 MR. KELVIN SHEPHERD: Okay, that's --
14 that's what I thought. I just wanted to be absolutely
15 clear I understood what the question was.

16 Yes. No, there have been and I'd ask
17 Jamie to talk to more particulars here, but we did
18 examine our export price forecast. As you know, we do
19 rely on third parties to provide some of that
20 information, at least the base forecast that we rely
21 on.

22 But one (1) of the key adjustments
23 we've made is to reduce the expectation that we are
24 going to be able to achieve premiums in export pricing
25 associated with a firm or capacity demands and -- and

1 that's based upon a view that those are very uncertain
2 at this stage that we will be able to actually achieve
3 that level of pricing premium.

4 So we've been more conservative in our
5 export pricing forecast, and I think given our track
6 record of it seems like regularly overestimating
7 export pricing, being a little bit more conservative
8 is the prudent thing to do.

9 MR. BOB PETERS: And I took from your
10 answer, Mr. Shepherd, that there were two (2)
11 adjustments that you're acknowledging; one (1) was to
12 do with a reducing a premium. I believe it was on the
13 -- on surplus dependable energy. And the other one
14 was to do with the capacity value associated with
15 certain of the exports?

16 MR. JAMES MCCALLUM: That's correct.

17 MR. BOB PETERS: And then we deal with
18 the load forecast and I'm talking about the domestic
19 load forecast to be clear, Manitoba Hydro has also
20 changed the methodology in its domestic load forecast
21 from what had previously been included in Manitoba
22 Hydro's integrated financial forecasts.

23 Is that correct?

24 MR. KELVIN SHEPHERD: That's true.

25 There had been -- there's been a methodology change

1 and it's primarily around large industrial loads.

2 MR. BOB PETERS: All right and we'll
3 deal with the -- probably Ms. Morrison on the revenue
4 requirement panel with some of those specifics, but
5 what you're telling the panel is that under the large
6 industrial or top consumers category, Manitoba Hydro
7 used to make some assumptions that were simply
8 numerical assumptions going forward and Manitoba Hydro
9 has now adjusted those assumptions?

10 MR. KELVIN SHEPHERD: Yeah, I agree it
11 would be best to talk with Ms. Morrison on the details
12 --

13 MR. BOB PETERS: Okay.

14 MR. KELVIN SHEPHERD: -- but broadly
15 speaking directionally, that's correct. We -- we took
16 -- had received I think previous comments on the -- on
17 how we manage forecasts of large industrial loads, and
18 had taken those into account and determined that there
19 was merit in making those adjustments in the process.

20 MR. BOB PETERS: Mr. Shepherd, before
21 I leave it, the latest increase announced for Bipole
22 III was an increase from the \$4.6 billion to the \$5.04
23 billion, with a July 2018 in-service date; is that
24 correct?

25 MR. KELVIN SHEPHERD: Yes, the -- the

1 5.04 billion is correct. I must admit I'm trying to
2 figure out whether it's July or August. It's either
3 July or early August. There is a period of time where
4 the system is in-service operationally, but has not
5 been turned over to us by the contractor and so I
6 believe it may be technically something like August
7 1st before it technically goes into service but,
8 operationally, the plan will be -- it will be carrying
9 power in the July timeframe.

10 MR. BOB PETERS: Is there any further
11 capital cost adjustment to the \$5 billion?

12 MR. KELVIN SHEPHERD: Not at this
13 time. The latest project update I had from the team
14 has us continuing to be within -- on track to achieve
15 that -- that capital forecast.

16 MR. BOB PETERS: How recent is that
17 update to you?

18 MR. KELVIN SHEPHERD: I receive an
19 update -- meet with the project teams every two (2)
20 weeks and so it certainly is, you know, within that
21 time frame.

22 MR. BOB PETERS: Thank you, sir. And
23 then turning to Keeyask, I think the evidence
24 discloses that at the needs for and alternatives to
25 review before this Board, the Keeyask cost was

1 forecast at \$6.5 billion and that's now increased to
2 \$8.7 billion; correct?

3 MR. KELVIN SHEPHERD: That's the
4 current P50 control plan.

5 MR. BOB PETERS: All right. And then
6 when you say the current, how current is that number
7 to you if I could, sir?

8 MR. KELVIN SHEPHERD: That's the
9 control budget that's in place today. It's been in
10 place since the -- it was adjusted earlier this year,
11 and it remains the control budget at this time.

12 MR. BOB PETERS: All right. Have you
13 been given information that suggests that that control
14 budget is no longer accurate?

15 MR. KELVIN SHEPHERD: No, the review I
16 hold with the project teams regularly updates me and I
17 would say that the project team's best view at this
18 time is that they believe they are on track to the
19 \$8.7 billion control budget. They may be six (6)
20 months ahead of plan on schedule.

21 MR. BOB PETERS: Let me help
22 understand that and make sure the panel's aware. In
23 this application Manitoba Hydro in IFF-16 updated with
24 interim has indicated Keeyask was going to be delayed
25 twenty-one (21) months from its initial in-service

1 date; is that correct?

2 MR. KELVIN SHEPHERD: That's correct.

3 MR. BOB PETERS: And are you now

4 suggesting that it's possible that it may only be

5 fifteen (15) months delayed?

6 MR. KELVIN SHEPHERD: It is possible.

7 Again, the official control budget that we're working

8 to is -- is 8.7 and it still remains twenty-one (21)

9 months, but you asked for my most recent information

10 and I would tell you that right now the project team

11 believes they could potentially achieve a six (6)

12 month advancement.

13 MR. BOB PETERS: Mr. Shepherd, there

14 were additional incremental increases from the \$6.5

15 billion number that was public and I believe it went

16 to 7.2 billion, and then to 7.8 billion, and I believe

17 the source of that was the Boston Consulting Group.

18 Can you confirm that?

19 MR. KELVIN SHEPHERD: Yes, you know,

20 the -- if I can just draw a little bit of track here

21 for you. The BCG was engaged by the Board to help

22 them conduct a review of a number of matters. Some of

23 the key matters were -- the Keeyask, Bipole, and US

24 tie-line projects.

25 They were conducting that review during

1 -- pardon me, the summer of 2016 and -- and the Board
2 reported out on the results of the BCG review I
3 believe in September of 2016. BCG during their review
4 which I think as you can appreciate is in the middle
5 of a peak construction period and 2016 happened to be
6 really our first full year of concrete placement on
7 the Keeyask project. So they were reviewing the
8 project, I would say, in real time as the project was
9 -- was progressing and they developed their review and
10 a range of 7.2 billion to 7.8 billion in project costs
11 and I have to admit, I can't remember the -- offhand
12 the exact schedule, but also a schedule delay of about
13 a year, I believe, based upon information they had
14 available at that time.

15 That was never a Manitoba Hydro
16 management estimate. It was simply an estimate that
17 BCG developed and, by the way, we, you know, believed
18 and knew at that point in time that costs were
19 escalating. We could see problems in the construction
20 during the first year.

21 But I felt and certainly, you know, I
22 think my board understood that it would be much more
23 prudent for us to wait until the completion of that
24 first year of construction activity and have a really
25 good understanding first of the progress that we had

1 made during that first year of concrete placement and
2 then, as importantly, to be able to sit down and work
3 with our general civil contractor to understand what
4 improvements and changes we could make going forward
5 before coming out with a new project estimate.

6 So the 8.7 billion is the result of
7 that work. I would say the BCG estimates of 7.2 to
8 7.8 were directionally correct but did not have the
9 benefit of the full knowledge of the concrete and
10 other construction work during the summer and fall of
11 2016.

12 MR. BOB PETERS: But in the \$8.7
13 billion number that's now embedded in IF -- in
14 Integrated Financial Forecast 16, didn't Manitoba
15 Hydro take the high end of the Boston Consulting Group
16 forecast price and add an amount to it?

17 MR. KELVIN SHEPHERD: No. No, we -- I
18 think it would be incorrect to assume that we accepted
19 the -- that we used the BCG estimate as the basis. We
20 conducted a complete review of the project. The
21 project team completed that review. They re-examined
22 all the factors in the actual plan, including sitting
23 down and developing really what is a revamped
24 construction schedule of activities; none of that was
25 available really in the BCG work.

1 So, I would say the 7.2 to 7.8 was a
2 reasonable high-level estimate and directionally gave
3 our Board an understanding that costs were going to
4 increase on Keeyask, but the actual estimate is based
5 upon a revised project plan and work schedule that the
6 project team developed.

7 MR. BOB PETERS: Mr. McCallum, when
8 will Manitoba Hydro produce an Integrated Financial
9 Forecast 17, if at all?

10 MR. JAMES MCCALLUM: We have not
11 settled on the name for the next integrated financial
12 forecast. It will go to our Board of Directors in
13 March of 20,000 -- 2018. I suspect we will name it
14 IFF18.

15 MR. BOB PETERS: Is there a capital
16 expenditure forecast 17 or will that have a name not
17 dissimilar to the integrated financial forecast?

18 MR. JAMES MCCALLUM: That's correct.
19 They get developed essentially in parallel.

20 I also, Mr. Peters, just wanted to come
21 back to your question on I guess forecasting in
22 general, and when the revenue requirement panel begins
23 sitting on Wednesday, I suspect Ms. Carriere will --
24 will take us through the integrated planning process,
25 but I'd made the statement about updates to -- to

1 forecasts, and including component pieces of the
2 forecasts that come into any given integrated
3 financial forecast.

4 We do that exercise fairly regularly in
5 some elements twice a year and we will have, I
6 believe, on Wednesday a -- at least an indication of
7 where our export price forecast is coming out kind of
8 which will go feed into this Integrated Financial
9 Forecast 18 that you're talking about.

10 One (1) of our concerns or cautions
11 with -- with, you know, a -- we're -- we're sensitive
12 to trying not to overwhelm the Board with -- with
13 constantly changing forecasts, but the reality is
14 we're -- we're constantly looking at all of the
15 variables that go into our forecast. And so we've
16 elected not to, you know in advance of this hearing,
17 this oral hearing, advance a new -- prepare in advance
18 a new financial forecast. We felt there was no need
19 to do that, but rather just call out, you know, things
20 that are appearing to develop for better or worse
21 differently than what -- what's embedded in this
22 forecast.

23 MR. BOB PETERS: Thank you, Mr.
24 McCallum. Does that timing that you indicated of your
25 board looking at the integrated financial forecast in

1 March, when will Manitoba Hydro pulled together all
2 the pieces that are going to result in -- in that
3 going to the Board in March.

4 Is that being done right now or is that
5 -- is that something that will be done early in the
6 new year?

7 MR. JAMES MCCALLUM: Yeah, that's --
8 that's a process that's underway. It -- I would say
9 it picks up in -- in earnest in some of our free time
10 but we're building towards bringing that through our
11 internal approval process, inclusive of bringing it to
12 the executive committee in February, which is the
13 committee of senior management, and then taking it --
14 we have an appointment with our board of directors in
15 mid-to-late March where we'll review and hopefully
16 have approved the new plan.

17 MR. BOB PETERS: Does that suggest to
18 this Board, Mr. McCallum, that the cycle for Manitoba
19 Hydro to produce its integrated financial forecast has
20 shifted from the -- from the fall to the spring?

21 MR. JAMES MCCALLUM: You know, there's
22 probably others that can speak a little better to the
23 -- the history. We -- we -- and I joined the company
24 in September of 2016 and -- and really joined in full
25 flight of preparing the -- the financial plan that

1 became IFF16 in front of us here.

2 So I -- my -- certainly my
3 understanding was in the past there would be a -- this
4 process would occur more in the -- in the November,
5 December time frame, maybe a little earlier in some
6 years, depending on what's going on a little bit
7 later. But we have, yes, to -- to answer your
8 question directly, we've moved to a -- a March
9 timeframe wanting to bring all this together as close
10 as we can to the first day of our fiscal year.

11 This is an important tool for managing
12 the business, in particular, the first year of the
13 integrated financial forecast is our budget for the
14 year. And it's pretty conventional in corporate
15 management to do that process pretty close to the --
16 to the beginning of your fiscal year.

17 So we felt that doing all that in the
18 November, December, or even earlier timeframe left you
19 a little bit too stale by the time you got to your
20 fiscal year.

21 MR. BOB PETERS: What does that do,
22 Mr. McCallum, for the planning cycle of Manitoba Hydro
23 in terms of filing rate applications with this Board?
24 Does that trigger a change in the window that is
25 needed by Manitoba Hydro to present those to this

1 Board?

2 MR. JAMES MCCALLUM: No, I don't
3 believe so. I think that coming out of this process
4 and, you know, the eventual conclusion of this
5 process, I think we're -- we're all going to have to
6 sit down and figure out where we go next in terms of
7 when the next rate application ought to be. Clearly
8 in our financial plan, we are seeking -- expecting to
9 seek rate increases on April the 1st of, you know, of
10 each year going forward and so we're going to have to
11 figure out how to -- how to kind of work through that
12 with -- with the -- with the Public Utilities Board,
13 but I don't see that by virtue -- the decision taken
14 to change the planning cycle, to target a March
15 approval process is one driven, you know, first and
16 foremost by the needs of the business which is, you
17 know, how we operate. We look at the needs of the
18 business.

19 MR. BOB PETERS: Thank you, Mr.
20 McCallum. Mr. Chair, this might be an appropriate
21 time to adjourn for the day and I could pick it up
22 tomorrow morning at nine o'clock.

23 THE CHAIRPERSON: Thank you, everyone.
24 So we will adjourn now and we will resume at nine
25 o'clock tomorrow morning. Thank you.

1 --- Upon adjourning at 5:26 p.m.

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5 Certified Correct,

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9 Cheryl Lavigne, Ms.

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