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MANITOBA PUBLIC UTILITIES BOARD

Re: MANITOBA HYDRO'S APPLICATION
FOR APPROVAL OF NEW ELECTRICITY RATES
FOR 2010/11 AND 2011/12

Before Board Panel:

Graham Lane - Board Chairman
Robert Mayer, Q.C. - Board Member

HELD AT:

Public Utilities Board
400, 330 Portage Avenue
Winnipeg, Manitoba
July 4, 2011
Pages 8328 to 8524

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1 --- Upon commencing at 9:39 a.m.

2

3 THE CHAIRPERSON: Okay. Good morning,
4 everyone. We're a little late, but not that bad. So
5 we're into closing statements now. We'll begin with
6 comments from Ms. Southall.

7 MS. ANITA SOUTHALL: Thank you, Mr.
8 Chairman and Mr. Vice-Chair. Before I turn to closing
9 comments, there are just a few procedural matters to be
10 attended to to ensure that the record remains complete.
11 The first is the marking of documents filed since the
12 close of the evidentiary portion of this hearing on June
13 9, 2011 as exhibits.

14 I note that I sent out a general request
15 for parties to advise as to any additional exhibits they
16 intend to file. And I can advise that on June 15 Mr.
17 Gange, on behalf of RCM/TREE, filed his witness' written
18 response to Undertaking number 164, which is to be marked
19 as Exhibit RCM/TREE number 14.

20

21 --- EXHIBIT NO. RCM/TREE-14: Response to Undertaking
22 164

23

24 MS. ANITA SOUTHALL: Also, on June 15 Mr.
25 Gange filed his witness' written response to Undertaking

1 number 165, which is to be marked as Exhibit RCM/TREE
2 number 15.

3

4 --- EXHIBIT NO. RCM/TREE-15: Response to Undertaking 165

5

6 MS. ANITA SOUTHALL: On June 23rd the
7 Board received a copy of the written answers of Doctors
8 Kubursi and Magee provided to questions posed of them
9 arising on the PUB undertaking set. That darcu -- pardon
10 me. That document should be marked as Exhibit KM number
11 14.

12

13 --- EXHIBIT NO. KM-14: Written answers of Doctors
14 Kubursi and Magee provided to
15 questions posed of them
16 arising on the PUB
17 undertaking set

18

19 MS. ANITA SOUTHALL: I can also indicate
20 that counsel for Doctors Kubursi and Magee, Mr. Wood,
21 advised that answers to the remaining pre-asks of the PUB
22 and I believe pre-asks of Manitoba Hydro were to be
23 provided today, July the 4th, and that -- that was a
24 communication as of last week.

25

As of this morning, they have not been

1 received, so we don't have those answers from those
2 independent experts at the present time. If that
3 changes, of course, and we receive them, I'll advise
4 everyone. And I'm assuming that Mr. Wood would be
5 circulating those by email, in any event.

6 I can further indicate that we have a
7 number of -- or a few Manitoba Hydro exhibits. We just
8 want to make sure they're on the record. We believe a
9 couple of them are, but just to be safe, Exhibit Manitoba
10 Hydro 155 is the IFF-10 export revenue assumptions.

11

12 --- EXHIBIT NO. MH-155: IFF-10 export revenue
13 assumptions

14

15 MS. ANITA SOUTHALL: This document, when
16 originally filed, was incomplete. And Manitoba Hydro has
17 sent a revised version of this undertaking response by
18 email on June 30th. So that's Manitoba Hydro Exhibit
19 155.

20 Manitoba Hydro Exhibit 156 is the Manitoba
21 Hydro projected operating statement.

22

23 --- EXHIBIT NO. MH-156: Manitoba Hydro projected
24 operating statement

25

1 MS. ANITA SOUTHALL: And, finally,
2 Manitoba Hydro Exhibit 157 is to be recorded as Power
3 Smart annual report 2009/2010.

4

5 --- EXHIBIT NO. MH-157: Power Smart annual report
6 2009/2010

7

8 MS. ANITA SOUTHALL: Finally I'll ask
9 each of the counsel when they're providing their oral
10 closing submissions to indicate in their submissions if
11 there are any undertakings still outstanding and, if so,
12 when the Board can expect those responses to be filed.

13 And finally, counsel, if there are any
14 additional documents to be marked as exhibits you'll
15 please inform the Board and provide copies and the
16 exhibit numbers or we'll ask Mr. Singh to assist us in
17 terms of your next exhibit number.

18 So with those matters addressed I'll turn
19 to my closing comments.

20

21 CLOSING COMMENTS BY MS. ANITA SOUTHALL:

22 MS. ANITA SOUTHALL: Mr. Chairman, Mr.
23 Vice-Chair, Manitoba Hydro's letter of application is
24 filed in Tab 1 of the Board counsel book of documents.
25 In that document Manitoba Hydro sets out the specific

1 formal requests of the Board in the General Rate
2 Application.

3 During the last day of the evidentiary
4 phase of this General Rate Application June, 9th, the
5 Chairman set out several issues for the parties to
6 consider addressing in their closing submissions. As
7 counsel to the Board in this proceeding, we take no
8 position on the merits of any of the issues before the
9 Board. Given the length of this hearing and the breadth
10 of issues touched upon I'm going to briefly summarize
11 certain issues that the Board may wish to include in its
12 deliberations.

13 In Manitoba Hydro's rate application it
14 seeks approval of rate schedules incorporated -- sorry,
15 incorporating an across the board 2.9 percent average
16 increase in general consumers rates effective April 1,
17 2010, with the exception of area and roadway lighting, no
18 rate increase there.

19 Due to the unprecedented length of the
20 hearing process, by way of Orders 18/10 and 33/10 the
21 Board granted the requested increase on an interim ex
22 parte basis. Final confirmation or revision of that rate
23 increase is required.

24 Secondly, approval of rate schedules
25 incorporate a further across the board 2.9 percent

1 average increase in general consumers rate effective
2 April 1, 2011. Again, due to the unique circumstances of
3 the hearing process the Board issued Order 40/11 granting
4 a 2 percent increase on an interim ex parte basis. Final
5 confirmation or revision of that rate increase is also
6 required.

7 I'm just going to pause and ask whether or
8 not -- those were not ex parte. Okay. Thank -- sorry, I
9 see my -- My Learned Friends from Manitoba Hydro and --
10 and there were submissions on those increases. They were
11 interim of course. And thank you for the clarification.

12 Next, Manitoba Hydro seeks final approval
13 of all surplus energy program ex parte rate orders
14 outstanding, final approval of curtailable rate program
15 ex parte, final approval of Order 126/09 which resulted
16 from Manitoba Hydro's application for temporary billing
17 demand concessions for general service medium and large
18 customers related to the impacts of the economic
19 downturn. Manitoba Hydro requests that the temporary
20 billing demand concessions be made permanent under the
21 program.

22 A separate but related issue raised by the
23 Board is what process should be considered should
24 Manitoba Hydro apply for a further general rate increase
25 for 2012. While the Board will have to wait to hear from

1 Manitoba Hydro as to its intentions the other parties may
2 have suggestions for the Board's consideration.

3 Manitoba Hydro also sought approval of a
4 reduction in the basic monthly charge for residential
5 customers, the BMC. Manitoba Hydro proposed reducing the
6 BMC from six dollars eighty-five cents (\$6.85) to five
7 dollars eighty-five cents (\$5.85) effective April 1,
8 2010, followed by a further reduction to four dollars
9 eighty-five cents (\$4.85) to be effective April 1, 2011.

10 The Board in granting an interim rate
11 increase effective April 1, 2010 and April 1, 2011 did
12 not implement the requested reductions in the BMC.
13 Instead, Manitoba Hydro was directed to apply the rate
14 increase to the energy charge portion of rates.

15 There is also the issue of finalizing
16 interim diesel rates and possibly establishing a new
17 interim rate for next year, perhaps further reducing the
18 tail block rate.

19 We are uncertain as to whether MKO intends
20 to file or make closing submissions in this GRA but note
21 that the Board has been patiently waiting confirmation of
22 the matters listed in the Board's last diesel rate order.

23 On this matter, there was a recent press
24 release indicating Manitoba Hydro is intending on
25 installing wind turbines in some diesel communities.

1 We'll await to see if Manitoba Hydro will be able to
2 provide a further update and details in its closing
3 submissions.

4 Turning to the topic of operating results,
5 Manitoba Hydro filed IFF-09 in support of its rate
6 application. During the hearing process, Manitoba Hydro
7 updated its financial outlook, issuing IFF-10. At Tab 2
8 of Board counsel's book of documents, there is an
9 analysis which compares the operating results for
10 electric operations forecast in IFF-09 with updated
11 actual results for fiscal 2010 and updated forecast for
12 fiscal 2011 and 2012.

13 What that analysis indicates is that, on
14 an overall basis, Manitoba Hydro's net income and
15 financial position for the three (3) years has improved
16 by 148 million greater than what was forecast in IFF-09
17 when the application was filed. Included in this result
18 is the impact of the 2.9 percent rate increase granted in
19 April 2010. The improvement is due primarily to lower
20 realized and forecast appreciation, finance expense, and
21 fuel and power purchase costs, as well as the
22 continuation of capitalizing and deferring costs.

23 As to rate increases granted, since
24 2004/'05, and including the forecast increases applied
25 for in this application, Manitoba Hydro has received

1 cumulative increases of over 22 percent, this based on
2 the 2 percent interim increase granted April 1, 2011,
3 bringing in aggregate annual additional revenue of over
4 \$220 million. On a cumulative basis, since the last GRA
5 in 2008, the additional incremental revenue granted since
6 2004/'05 exceeds \$788 million. Manitoba Hydro's reported
7 net income for the period was over \$1 billion.

8 Compared with IFF-07-1, presented at the
9 last GRA, Manitoba Hydro's net income for the fiscal
10 years 2008 to 2012 is forecast to be \$304 million higher
11 than what was forecast at that time. Since 2004/'05,
12 Manitoba Hydro has received, on an -- on a cumulative
13 basis, over \$950 million in additional Board-approved
14 revenue. As noted, the long-sought financial target of a
15 debt-to-equity ratio of 75:25 has been achieved,
16 although, interestingly, not celebrated. Rather,
17 Manitoba Hydro is now incorporating additional and higher
18 rate increases, higher than the rate of inflation, in its
19 financial forecasts.

20 Turning to the topic of risk, a
21 significant portion of the hearing was to address risks
22 and risk management issues for Manitoba Hydro, as
23 directed by the Board in Order 32/09, and subsequently in
24 the preliminary procedural orders in this process. The
25 Board engaged Doctors Kubursi and Magee as independent

1 experts to address issues of risk at Manitoba Hydro
2 within the context of duties accepted by KM under their
3 terms of reference. They produced reports, testified,
4 and responded to questions of Manitoba Hydro, the Board
5 and Intervenors. As noted previously, certain pre-asks
6 of the PUB and Manitoba Hydro are still unresponded to by
7 KM as of today.

8 Manitoba Hydro's original filing addressed
9 risk issues and its overall risk management approach in
10 its ongoing operational plans. Manitoba Hydro introduced
11 the evidence of its own employees on Manitoba Hydro's
12 risk management strategy. Manitoba Hydro also introduced
13 the evidence of Mr. Rose of ICF, and the evidence of a
14 KPMG panel on the issues of risk management at Manitoba
15 Hydro.

16 The major identified risk faced by
17 Manitoba Hydro is volumetric drought risk, and the Board
18 heard evidence with respect to the financial implications
19 of drought. Manitoba Hydro has asserted that the
20 financial consequences of a five (5) year drought could
21 be expected to be two (2) point -- sorry, \$2 billion in
22 reduced retained earnings and \$2.4 billion when expected
23 increased finance costs are considered. Manitoba Hydro
24 indicated that, in shortage and high import prices --
25 sorry, that if shortage and high import prices coincided

1 with the drought period. This would increase the cost of
2 a five (5) year drought from 2 billion to \$2.5 billion.
3 The impacts, including finance costs, would make for a
4 still larger shortfall.

5 The Board heard recommendations made by
6 the independent experts that Manitoba Hydro should not
7 rely on retained earnings as the only buffer against a
8 drought but should also consider incorporating a
9 reservoir storage buffer as a mitigation measure.

10 The Board further heard evidence on the
11 varying duration of droughts, including the financial
12 implications of droughts with durations longer than five
13 (5) years.

14 Evidence was heard and the issue was
15 discussed on the period of 1928 to 1941, when droughts
16 were experienced in twelve (12) of the fourteen (14)
17 years, a period reflective of an extreme drought
18 condition. A repeat of such conditions would be expected
19 to have a significantly greater financial impact on
20 Manitoba Hydro.

21 The Board has received varied projections
22 of the potential cost of drought of different durations
23 by Manitoba Hydro, as I noted a moment ago, by KM, and
24 also commentary on those projections in the evidence of
25 ICF and KPMG.

1 Manitoba Hydro does not have a formal
2 written drought-preparedness plan but had stated that it
3 would file with the Board a drought-preparedness plan by
4 April 1, 2011. The plan has yet to be filed.

5 Manitoba Hydro has also stated that
6 drought planning is a constant activity and is
7 incorporated in Manitoba Hydro's business processes.
8 Both ICF and the independent experts who assess the risks
9 faced by Manitoba Hydro recommend that a formal plan be
10 prepared. These matters were examined and tested
11 extensively by Board counsel and by the Intervenors
12 through their counsel.

13 On the issue of middle office at Manitoba
14 Hydro, the Board also heard evidence on the risk
15 management framework of Manitoba Hydro with both KPMG and
16 independent experts assessing the structures in place.
17 KPMG and the independent experts both recommended an
18 enhanced role for an independent middle office in risk
19 mitigation, that expanded role to include involvement in
20 identification, assessment, and mitigation of risks
21 related to export contracts.

22 KM and KPMG found that the middle office
23 is not involved in the review of export contracts or
24 overall export volumes. The independent experts also
25 recommended that the middle office be elevated within the

1 organizational structure of Manitoba Hydro due to the
2 importance of the function. KM also recommends that the
3 role of the middle office should be expanded to vet or
4 review front office operations and that it is vested with
5 the authority to undertake such a role.

6 The Board also heard risk management
7 expert testimony on a number of general principles,
8 including but not limited to moral hazard and its effect
9 on appropriate management of risk at public companies;
10 comparison of Manitoba Hydro's risk tolerance with that
11 of its domestic customers; consideration of the
12 appropriate overall operational objective of Manitoba
13 Hydro, maximize revenues or minimize cost; and possible
14 mitigation approaches and options as outlined by KM,
15 addressed by Manitoba Hydro, ICF, and KPMG, and further
16 considered by the Intervenor's own experts and tested by
17 all participants.

18 The Board should consider the weight to be
19 given to the evidence of various experts in considering
20 findings or recommendations on all such matters. And the
21 Board expects to receive submissions from the parties on
22 all risk issues and risk management issues in their
23 closing statements.

24 On the matter of models, the Board also
25 heard evidence on the models incorporated for both

1 operational and long-term planning purposes, in
2 particular, SPLASH and HERMES. Recommendations were made
3 by the independent experts to place the models into a
4 seamless interface on a common platform, this to avoid
5 differences and provide for economies of scale and scope.

6 The independent experts further
7 recommended that the SPLASH model be subject to review,
8 including a formalized process of back testing and
9 external validation, including peer reviews and the
10 involvement of outside subject matter experts, noting
11 that a number of the models are internally developed and
12 would benefit from such an outside review. Other
13 recommendations made by both KPMG and the independent
14 experts included that Manitoba Hydro develop formal model
15 documentation, including user manuals.

16 Manitoba Hydro introduced its own evidence
17 on these issues and has attempted to shed light on the
18 working of its models as part of its risk management
19 approach, which Manitoba Hydro says has been and
20 continues to be integral to its approach to strategic
21 planning and overall operations on a daily basis. These
22 matters were also tested on cross-examination.

23 Turning to the issue of export contracts.
24 Much evidence has been heard on the new term sheets for
25 sales in export markets to Wisconsin Public Service and

1 Minnesota Power, a portion of which has been formalized
2 in contract.

3 The Board heard that the term sheets were
4 initially re -- pardon me, initially negotiated in late
5 2007 and early 2008. Each of these long-term export
6 contracts requires the commitment from Manitoba Hydro for
7 major new generation and transmission development and a
8 commitment from the counterparty to make transmission
9 investments to receive the electricity. Minnesota Power
10 will require to build a 250-megawatt transmission line
11 while Wisconsin Public Service is required to invest in a
12 400-megawatt transmission line.

13 With respect to the recently announced
14 contracts with Minnesota Power and Wisconsin Public
15 Service, Manitoba Hydro has indicated that there has been
16 but a slight change to the pricing from the term sheets
17 and that fundamentally the prices for the fixed price
18 energy in the contracts have not changed.

19 With respect to the contract inked with
20 Minnesota Power, Manitoba Hydro also indicated that while
21 half of the energy under the contract had been directly
22 linked to the market, now the contract incorporates a
23 collar around the market price that ties it to the fixed
24 price.

25 Manitoba Hydro indicated that this feature

1 provides benefits to both parties in that Minnesota Power
2 is protected from future price spikes and also provides
3 downside protection to Manitoba Hydro if prices stay low.
4 Importantly, the Board has yet to receive and review the
5 contracts.

6 The Board has heard that one (1) of the
7 contracts, particularly with Wisconsin Public Service,
8 currently only 100 megawatts of the 500 megawatts
9 included on the term sheet has been converted into a
10 contract. The additional 400 megawatts included in
11 Manitoba Hydro's forecasts is predicated upon Wisconsin
12 Public Service investing in transmission in the US to
13 receive the electricity. Without such transmission
14 investment Manitoba Hydro has indicated that the sale to
15 Wisconsin Public Service would not proceed. The timing
16 of the Conawapa generation development is predicated on
17 the additional 400 megawatt contract with Wisconsin
18 Public Service.

19 Since entering into the term sheets
20 circumstances have changed whereby a new economic
21 environment has developed, one that includes lower export
22 and domestic electricity demand and starkly lower
23 opportunity export sales prices.

24 Also in this hearing Manitoba Hydro's
25 capital expenditure forecast and related risk

1 considerations were covered. Risk is inherent in the
2 proposed development plan of Manitoba Hydro, and the role
3 of long-term contracts is central to the Utility's
4 preferred and announced development plan.

5 A comparison was provided by Manitoba
6 Hydro which analyzed a sale versus no-sale development
7 sequence. The two (2) analyses were addressed by KPMG
8 and ICF. In regard to ICF's analysis, they had indicated
9 on a net present value basis, a reduction in customer
10 bills in the order of \$153 million. However, that was
11 the calculation made before the capital costs of Keeyask
12 and Conawapa were updated, and both of those estimates
13 have been revised higher by considerably more than ICF's
14 net present value forecast.

15 In its analysis, KPMG found the proposed
16 development sequence to be more favourable than the
17 alternate development sequence, the no-build option. The
18 sale versus no-sale analysis prepared by KPMG also did
19 not incorporate material increases in capital costs for
20 the major generation and transmission projects.

21 And neither of the analyses, not ICF's nor
22 KPMG's, incorporates ICF's changed view on the delay in
23 the development of a carbon regulation regime and updated
24 lower forecast cost for natural gas, both expected to
25 negatively impact electricity export prices. It is not

1 clear on exactly how the outcomes of both ICF and KPMG's
2 analysis would change given the changed circumstances.

3 On the matter of domestic load. Due in
4 part to the post-2008 economic downturn, domestic load
5 has declined by over 1,000 megawatts since the 2009 Power
6 Resource Plan was developed. That plan forming the basis
7 of the original business case for the development of new
8 generation.

9 The reduction is due primarily to an 850-
10 gigawatt-hour reduction in load for top industrial cu --
11 consumers. This representing seven (7) to eight (8)
12 years of normal load growth projections being lost in one
13 (1) year. In addition, Manitoba Hydro indicated that
14 there was a further reduction in top industrial consumer
15 load, that in the order of 650 gigawatts in 2011, 450
16 gigawatts from pulp and paper, and 200 gigawatt hours
17 from primary metals.

18 Manitoba Hydro has indicated that the 450
19 gigawatt hours of load reduction from the pulp and paper
20 sector was a permanent loss representing one and one-
21 third (1 1/3) years of total Manitoba load growth. In
22 addition, Manitoba Hydro has confirmed a further 500-
23 megawatt load reduction due to the Northern Manitoba
24 smelter and refinery closures slated for 2015. As a
25 result of these losses the requirements for new

1 generation for domestic purposes have apparently been
2 delayed by a decade.

3 Manitoba Hydro indicated that it is
4 actively seeking longer-term market and firm contracts
5 for the surplus dependable energy created by the now
6 expected Manitoba load reduction.

7 Speaking to the Wuskwatim generating
8 station. The output of Wuskwatim, the next generation
9 station to come online in 2012, is not required for
10 domestic consumption until at the earliest 2019/'20. The
11 Wuskwatim station was most recently estimated to cost
12 \$1.6 billion rather than the \$900 million forecast at the
13 Clean Environment Commission review that supported the
14 development. It is now expected to begin operations in
15 2011/'12 and be fully in service in 2012/'13.

16 Manitoba Hydro has forecast that the dam
17 will operate at a loss for the first four (4) years of
18 operations through 2014/2015. This is different than the
19 prior forecast based on IFF-09-1 which prese -- projected
20 operating losses for only the first two (2) years of
21 operations.

22 The updated forecast based on IFF-10 is
23 found at Manitoba Hydro Exhibit 115, which includes an
24 estimated calculation of a loss for 2012/'13. In that
25 calculation, Manitoba Hydro has determined finance

1 expense based on notionally allocating 35 percent of the
2 capital cost of the project to be paid by internally-
3 generated funds. Such an allocation of ratepayer monies
4 reduces the debt assigned to the project, although it
5 appears that Manitoba Hydro debt finances 100 percent of
6 its new construction, it having no liquid reserves.

7 At this hearing the Board heard evidence
8 that the capital costs related to Bipole 3 had increased
9 from a 2007 estimate of \$2.2 billion to now \$3.3 billion.
10 The \$3.3 billion appears not to include finance expenses
11 and relies on a different engineering approach, one that
12 remains to be proved appropriate.

13 As it is, while the annual expense to
14 support this capital investment was previously estimated
15 at approximately \$225 million with the capital cost
16 escalation to 3.3 billion, the annual expense of this
17 project is now esti -- pardon me, is now approximately
18 \$330 million, an increase of \$105 million.

19 Keeyask capital costs have also been
20 updated in CEF-10 from CEF-09, 5.6 billion from 4.6
21 billion, an increase of \$1 billion. The incremental
22 revenue requirement in the first year of operation has
23 increased from 383 million to 471 million, an increase of
24 \$88 million.

25 Conawapa generation station capital cost

1 estimate of CEF-10 has increased to 7.8 billion, up from
2 6.2 billion, an increase of \$1.5 billion. This also has
3 had an impact on the IFF and has increased the
4 incremental revenue requirement from 570 million to 710
5 million, an increase of \$140 million.

6 On an overall basis, these three (3) major
7 projects required to support new export contracts, which,
8 on a combined basis, had a previous capital cost forecast
9 of 13.1 billion, that in CEF-09, now have forecast
10 capital costs of 16.7 billion, this in CEF-10, an
11 increase of over \$3.6 billion.

12 The estimated annual revenue requirement
13 related to these investments has increased to
14 approximately \$1.5 billion, up from 1.2 billion, an
15 increase of over 330 million from previously forecast. A
16 determination of these amounts is found at PUB Exhibit
17 25.

18 Counsel notes that the evidence indicates
19 a history of construction cost estimate increases, so,
20 for some, it may not be surprising if the current
21 estimates require further changes.

22 Manitoba Hydro is currently spending
23 approximately at least \$25 million a month on its major
24 generation and transmission projects. This before at
25 least required environmental revenues and an expected

1 NFAAT review, the latter as earlier indicated as being
2 required by the government.

3 With respect to the joint Keeyask
4 development agreement, Manitoba Hydro entered into an
5 agreement with four (4) First Nations communities,
6 Tataskweyak Cree Nation, War Lake First Nation, Fox Lake
7 Cree Nation, and York Factory First Nation, on May 29,
8 2009.

9 The agreement provides for the four (4)
10 First Nations to participate in either a preferred equity
11 or equity ownership of up to 25 percent of the Keeyask
12 generating station. Details of the agreement and a
13 comparison with the Wuskwatim partnership development
14 agreement can be found at Tab 50 of the Board counsel
15 book of documents.

16 Manitoba Hydro indicated that it has spent
17 approximately \$400 million to date on the Keeyask
18 development, the dam now expected by the Utility to come
19 into service in 2020. As well, Manitoba Hydro has
20 indicated that it is currently spending approximately \$10
21 million per month on the Keeyask development. Included
22 in this spending are amounts to the four (4) First
23 Nations pursuant to the agreement.

24 Manitoba Hydro stated that it is spending
25 monies to protect the in-service date and that for the

1 development to go forward there are required regulatory
2 approvals needed in both Canada and the United States.
3 If those approvals are not obtained Manitoba Hydro has
4 confirmed that it may be required to write off all or a
5 part of its accumulated expenditures.

6 Turning to the issue of capitalized
7 expenditures, finance, and OM&A. In addition, incurring
8 costs to physically build the new generation and
9 transmission projects Manitoba Hydro capitalizes to the
10 projects significant amounts of OM&A expense and interest
11 costs.

12 Manitoba Hydro had forecast total OM&A
13 before capitalization of 542.6 million in 2003/'04 and is
14 forecast to be 723.7 million in 2010/'11 and 754.1
15 million forecast in 2011/'12. A major driver for the
16 increase is staffing increases as labour and benefit
17 costs represent over 75 percent of the total operating
18 expenses of Manitoba Hydro.

19 Staffing levels have grown from five
20 thousand six hundred seventy-nine (5,679) full-time
21 employees in 2003/'04, then with a total annual payroll
22 and benefits of over 398 million. The staff level is
23 forecast to increase to six thousand six hundred sixty-
24 nine (6,669) full-time employees in 2010/'11, an increase
25 of nine hundred ninety (990) staff with forecast payroll

1 and benefits of over \$556 million.

2 Manitoba Hydro indicated that as a result
3 of its aging workforce it was necessary to hire an
4 increased number of trainees in the electrical trades
5 program. Manitoba Hydro indicated that the number of
6 trainees and apprentices in 2010/'11 were five hundred
7 eighty-eight (588) full-time employees, representing 8
8 percent of its workforce.

9 In 2003/'04, Manitoba Hydro capitalized
10 approximately 28 percent of labour and benefits. The
11 amount of labour and benefits capitalized has increased
12 since then, and Manitoba Hydro now capitalizes over 32
13 percent of its labour and benefits. Including overheads,
14 in total, Manitoba Hydro is forecasting to capitalize 304
15 million of OM&A expenses in 2010/'11, and over 310
16 million in 2011/'12, representing over 41 percent of its
17 annual corporate OM -- OM&A expense.

18 In addition to capitalizing OM&A, Manitoba
19 Hydro defers a significant portion of its finance expense
20 on an annual basis. Manitoba Hydro is forecasting to
21 have total interest on its short and long-term debt to be
22 \$553 million in 2010/'11 and over 613 million in
23 2011/'12. Manitoba Hydro has forecast to capitalize
24 130.8 million in 2010/'11 and over \$137 million in
25 2011/'12. Over 23 percent of interest costs are being

1 capitalized for each of the two (2) test years.

2 After capitalization and other
3 adjustments, finance expense is forecast to be 412.5
4 million in 2010/'11 and 467.6 million in 2011/'12. As
5 the major new generation and transmission projects
6 commence construction, Manitoba Hydro will be
7 capitalizing a greater portion of interest costs, with
8 449 million, or 43 percent of net interest expense, being
9 capitalized in 2017/'18. By 2029, Manitoba Hydro is
10 forecasting to capitalize over \$4.8 billion in interest
11 costs.

12 Annual finance expense, which is currently
13 at 467.6 million in 2011/'12, is expected to grow to over
14 \$1.5 billion by 2026 when the last of the major new
15 generation and transmission projects now anticipated,
16 Conawapa, is expected to be in service.

17 Operating, maintenance and administrative
18 costs related to electric operations have grown from 299
19 million in 2004/'05 to over 378 million in 2009/'10,
20 representing an increase of over \$79 million and a
21 compound annual average growth of 4.8 percent. Manitoba
22 Hydro is forecasting OM&A to be 398 million in 2010/'11
23 and 402 million in 2011/'12. This represents a compound
24 annual growth rate of 3.2 percent for the two (2) test
25 years, while CPI is forecast to be under 2 percent.

1 Manitoba Hydro attributed the increases in
2 part to accounting changes that have taken place since
3 2008/'09. OM&A have increased in 2009/'10 by 11 million,
4 and in 2009/'10 -- sorry, and are forecasting increases
5 in the order of \$31 million in 2010/'11 and 27 million in
6 2011/'12 relating -- related accounting changes to comply
7 with new accounting standards. Included in these amounts
8 are provisions for IFRS-related accounting changes of \$18
9 million in 2011 -- pardon me, 2010/'11, and \$14 million
10 in 2011/'12.

11 Eliminating the impact of accounting
12 changes, Manitoba Hydro makes the point in its rebuttal
13 evidence on page 14 that the compounded annual growth in
14 OM&A since 2005/'06 was 3 percent, while inflation
15 tracked at 1.7 percent. Manitoba Hydro attributed the
16 increased above inflation to higher costs and maintenance
17 requirements that have been experienced also by other
18 utilities in Canada.

19 With respect to IFRS, the International
20 Financial Reporting Standards were to replace current
21 Canadian accounting standards in 2011/'12. However,
22 Canadian utilities have been granted a one (1) year
23 voluntary deferment on implementation of IFRS to allow
24 for a transition of accounting standards that do not
25 recognize rate regulated assets and liabilities.

1 Manitoba Hydro will be required to prepare IFRS-compliant
2 financial statements for its fiscal 2012/'13 year, with
3 comparative financial information for 2011/'12.

4 As standards currently are written,
5 Manitoba Hydro will be required to write off the balance
6 of its rate-regulated assets against retained earnings.
7 Manitoba Hydro has indicated that regardless whether
8 rate-regulated assets are allowed under IFRS it does not
9 necessarily have to affect its rate setting. With
10 respect to the implications of conversion to IFRS on the
11 rate setting process, Manitoba Hydro believes that any
12 changes in accounting practices can be accommodated
13 within the rate setting framework.

14 Since IFRS results in changes to the
15 timing when certain costs will be recognized in its
16 operating accounts, Manitoba Hydro believes that some
17 mechanism may be required to defer the cost for rate
18 purposes. Manitoba Hydro stated it would provide the
19 Board with alternatives to consider at the appropriate
20 time.

21 The issue and impact of IFRS will next be
22 seen in Manitoba Hydro's next General Rate Application.
23 Another area impacted relates to the level of
24 expenditures that Manitoba Hydro can capitalize. IFRS
25 does not allow planning studies to be capitalized which

1 were previously amortized over fifteen (15) years unless
2 there is assurance that the facilities will be built.

3 IFRS also has more restrictive
4 requirements of what type of expenditures can be
5 capitalized. Manitoba Hydro has made a provision of \$18
6 million for electric operations for IFRS changes in
7 2010/'11 and \$14 million in 2011/'12, representing the
8 impact of changing the overhead rate. Manitoba Hydro has
9 made the accounting change which impacts the financial
10 statements in advance of its adoption of IFRS having
11 opted to take the one (1) year deferral to implement IFRS
12 for 2012/'13.

13 Another area of change is how Manitoba
14 Hydro will depreciate its capital plant. Under IFRS
15 there is a requirement for Manitoba Hydro to group
16 component assets with similar service lives. Manitoba
17 Hydro is currently undertaking a depreciation study
18 towards being IFRS compliant.

19 Turning to the twenty (20) year IFF
20 comparison. Manitoba Hydro provided in this application
21 a twenty (20) forecast for IFF-09 and an updated IFF-10
22 twenty (20) year electric forecast found as Manitoba --
23 Manitoba Hydro Exhibit 156. This twenty (20) year
24 forecast was updated to incorporate its approved increase
25 cost to Bipole 3 and to reflect its current cost

1 estimates for both Keeyask and Conawapa.

2 Manitoba Hydro indicated that the IFF-10
3 did not have any changed export or domestic load
4 assumptions from the previous forecast. The Utility has
5 not reflected the reduced natural gas prices forecast by
6 ICF or the changed views on a carbon premium regime,
7 neither incorporated into this recent filing by Manitoba
8 Hydro. Both have negative implication on forecast export
9 price revenues.

10 Manitoba Hydro has indicated that it will
11 be updating its IFF forecast in the normal course in the
12 fall of this year. As a result of the updated forecast
13 and when compared to IFF-09 the Utility's projected net
14 income over its twenty (20) year forecast horizon has
15 been reduced by over \$3.2 billion despite employing lower
16 interest rates to 2020. The reduction is due primarily
17 to an increase in the capital costs of the major
18 generation and transmission projects.

19 In MH-09-1, long-term debt was forecast to
20 grow from 7.8 billion in 2010 to 17.7 billion in 2029.
21 With the upward revised capital cost of the major
22 generation and transmission projects reflected in IFF-MH-
23 10-2, Manitoba Hydro now forecast to have long-term debt
24 of over 23 billion in 2029, an increase of \$5.3 billion
25 from the previous forecast.

1 The debt-to-equity ratio forecast for 2029
2 has also changed negatively from 51:49 of IFF-09 to 72:28
3 in IFF-10, this representing the forecast reduction in
4 aggregate net income and the increased capital costs from
5 the one forecast to the next.

6 As noted by the Chairman in his closing
7 comments on June 9th, Manitoba Hydro's plan to bring into
8 service major new generation and transmission during a
9 decade of investment, a plan which has already led to
10 material expenditures capitalized in advance of final
11 approval in all cases except for Wuskwatim, has a direct
12 bearing on rates. And this Board's mandate is to approve
13 just and reasonable rates based on prudent expenditures.

14 The Chair's closing comments also drew
15 many other possible areas for consideration to the
16 attention of all parties to the process. In particular
17 the Board noted the following as issues which it may
18 consider: an export rate stabilization mechanism; a rate
19 rider as a risk mitigation tool; on the concept of
20 retained earnings, how much is enough in the
21 circumstances; is a 75:25 debt-equity ratio still a valid
22 target; do the parties have or wish to offer any further
23 comments on the need and/or prospects for a future energy
24 intensive industrial rate; taking into account that there
25 are approximately eighty-thousand (80,000) delinquent

1 accounts each month with Manitoba Hydro, should the Board
2 and Manitoba Hydro consider creation of a low-income
3 assistance rate program; should an interest rate deferral
4 account be created to capture forecast variance in
5 interest rates given major debt borrowings contemplated
6 in Manitoba Hydro's forecast; what should be done with
7 respect to the cost of service study and rate design
8 matters discussed in the hearing; and back to the issue
9 of risk, do the parties wish to provide comments to the
10 Board on the risk tolerance of Manitoba Hydro's customers
11 which may different from the -- pardon me, which may
12 differ from the risk tolerance of the Utility and its
13 sole shareholder.

14 The Board will await the submissions from
15 the party as -- par -- pardon me, from the parties as to
16 the issues that they want the Board to address.

17 In conclusion, on behalf of Mr. Peters, I
18 wish to echo some of the sentiment of the Chairman in his
19 closing comments on June 9th and in so doing I thank all
20 participants in this hearing process and all counsel for
21 their cooperation and assistance in the process.

22 Mr. Chairman, Mr. Vice-Chair, those are my
23 closing comments. I suggest the Board now call on Ms.
24 Pambrun for the City of Winnipeg to make closing oral
25 submissions on behalf of the City and then I believe Mr.

1 Williams will follow with the closing submissions of
2 CAC/MSOS. Thank you.

3 THE CHAIRPERSON: Thank you, Ms.
4 Southall. Ms. Pambrun, for the City...?

5

6 FINAL SUBMISSIONS BY THE CITY OF WINNIPEG:

7 MS. DENISE PAMBRUN: Thank you, Mr.
8 Chairman. Good morning to all my colleagues. I think
9 perhaps I was invited to speak first in the hope that I
10 will set a brilliant example for my colleagues and be
11 extremely brief, and in that respect I will not
12 disappoint, perhaps in many others I will.

13 The City was granted Intervenor status in
14 this matter and, as you noted, my participation in this
15 hearing was extremely limited mainly because the City's
16 position related only to its role on the area and
17 lighting category. Also, because the City did not wish
18 to duplicate, knowing it could not do so in any competent
19 way, the excellent efforts of my colleagues. The City
20 was trying to focus on the distribution issue rather than
21 on the overall cost.

22 There are three (3) different aspects that
23 -- or different approaches the City could focus on. One
24 (1) of them was really the fact that Manitoba Hydro
25 itself was not really relying as it said in its opening

1 statement on the cost of service study that was filed in
2 this matter. Having said that I could have taken the
3 approach that was really essentially taken by my
4 predecessor in these matters, Mr. Buhr, I understand that
5 his approach was generally to say that it wasn't fair
6 that the City should pay a disproportionate share of the
7 costs.

8 But I think I prefer to be guided by the
9 Board's comments itself in Interim Order 18/10, which is
10 cited at pa -- paragraph 6 of my written argument. And
11 rather than making you go there I will just read it. In
12 Interim Order 18/10 the PUB held as follows:

13 "There has been no rate increase to the
14 area and roadway lighting class since
15 April 1, 2005. Until the Board gains
16 further understanding of the costs and
17 cost of service for this class there
18 will be no rate increases interim or
19 otherwise."

20 The applicant, Manitoba Hydro, did not
21 spend a great deal of time in this hearing trying to
22 explain the cost of service study to this Board or to me.
23 Perhaps it's fair to say that no matter how much time
24 they had tried to explain it to me, I still wouldn't have
25 understood it.

1 Having said that, I certainly am no
2 further ahead and I don't believe the Board is a great
3 deal further ahead either. And I'm not necessarily
4 faulting Manitoba Hydro for that, given that they have a
5 new cost of service study coming, they say, and because
6 they didn't -- because they didn't rely on the one that
7 is before us.

8 The City's area -- the area and roadway
9 lighting category is outside the zone of reasonableness
10 and I have provided, attached to my written argument, a
11 very brief appendix that recalculates the ratio of cost
12 coverage to revenue, which shows that if the rate
13 increases that were originally sought by Hydro were
14 granted it would increase the RCC to over 110 percent.
15 And I hope my calculations were accurate, and I hope
16 Hydro will correct me if I'm wrong, but I believe that,
17 simple as they are, they are basically correct. And I
18 think they justify the City's position that the rate
19 increase that was originally proposed by Hydro but was
20 abandoned at the beginning of this application should not
21 be granted, and that the position taken by Hydro in this
22 hearing should be sustained and no rate increase should
23 be granted.

24 The City takes no position on rate
25 increases outside that category, not really being in a

1 position to comment on them, and I think that is all
2 really that I can add of any value. Thank you.

3 THE CHAIRPERSON: Thank you, Ms. Pambrun.

4 MS. ANITA SOUTHALL: Mr. -- Mr. Chairman,
5 we'll just mark Ms. Pambrun's written submission as a
6 City of Winnipeg exhibit, for the record.

7 THE CHAIRPERSON: Very good. Good idea.

8 MS. DENISE PAMBRUN: Thank you.

9 MS. ANITA SOUTHALL: Thank you.

10 THE CHAIRPERSON: Thank you.

11

12 --- EXHIBIT NO. CITY-3: City of Winnipeg's written
13 submission

14

15 THE CHAIRPERSON: Mr. Williams, do you
16 want to start now, or do you prefer us taking a break
17 now?

18 MR. BYRON WILLIAMS: The -- I have one
19 (1) small document which I -- I have to distribute to
20 other members, so it might be useful to take a five (5)
21 minute break or --

22 THE CHAIRPERSON: Okay. Let's do --
23 okay. We'll take the normal break --

24 MR. BYRON WILLIAMS: Okay.

25 THE CHAIRPERSON: -- and then you can go

1 right through to lunch.

2 MR. BYRON WILLIAMS: Thank you.

3

4 --- Upon recessing at 10:30 a.m.

5 --- Upon resuming at 10:52 a.m.

6

7 THE CHAIRPERSON: Okay. First of all,
8 Ms. Southall...?

9 MS. ANITA SOUTHALL: Thank you, Mr.
10 Chairman. Just a note, then, that the City's written
11 submission, as presented by Ms. Pambrun on behalf of the
12 City, is Exhibit number 3 for City of Winnipeg.

13 THE CHAIRPERSON: Thank you.

14 MS. ANITA SOUTHALL: And I think there's
15 just one (1) additional clean-up matter that Manitoba
16 Hydro's counsel wants to introduce.

17 MS. PATTI RAMAGE: Yes. We noted this
18 morning, in running through the exhibits, there was an --
19 it's not an additional exhibit filed, it was -- Manitoba
20 Hydro Exhibit 43 revised was circulated to the parties,
21 because when we were re -- reviewing the evidence
22 Manitoba Hydro noted that the last column in -- in that
23 exhibit had been cut off.

24 So last week, on June 27th, Exhibit 43 was
25 distributed to all the parties, including the Board, in

1 the revised form. So I thought we should get that on the
2 record.

3 THE CHAIRPERSON: Thank you. For
4 CAC/MSOS, Mr. Williams...?

5
6 FINAL SUBMISSIONS BY CAC/MSOS:

7 MR. BYRON WILLIAMS: Yes, thank you, Mr.
8 Chairman and Mr. Vice-Chair, and good morning. Just a
9 couple of preliminary matters. One (1) is in terms of
10 undertakings. Professor Carter, in his day of test --
11 oral testimony, was -- made a number of undertakings. He
12 is extremely bitter at me now for agreeing to them. They
13 -- I'm just teasing.

14 He -- but they did require additional
15 runs, one (1) from the Department of Family Services and
16 one (1) from Statistics Canada. So the last I spoke with
17 him was Friday, Thursday or Friday, and he indicated that
18 Family Services indicated to him that they had finalized
19 their run but they were -- and they were going to give it
20 to him this week, and Statistics Canada he is expecting
21 this week. So that's just the update. We are making all
22 efforts, but because they required a -- information to be
23 generated, it's taking a little longer than we would have
24 liked.

25 Secondly, in terms of materials related to

1 the argument of my clients this morning, there should be
2 three (3) additional documents. And My Friend, Ms.
3 Ramage, will have some comments about one (1) of them,
4 which I wish to -- to make sure that we give her an
5 opportunity to do so.

6 One (1) is a very brief document, more in
7 the -- the City of Winnipeg briefness. It's called
8 "Additional Materials from the Record." And these are
9 just some additional materials from the record to assist
10 the argument. I believe the only colour version is in
11 the Chairperson's hands, so -- so I'm hoping that he will
12 share with the Vice-Chair. I'm not sure that will be the
13 case.

14 Second is a lengthy document called, "The
15 Written Outline -- The Written Outline of Argument of
16 CAC/MSOS." And I would indicate that this was sent out -
17 - an earlier version of this was sent out on Thursday on
18 -- and we have provided an updated version to the Board.
19 The updates consist of -- especially with regard to the
20 evidence of Mr. Colton and Professor Carter. It was
21 inadequately ci -- cited. So that's the primary update.
22 There might have been a change in we've moved a
23 statement, which is a citation below a quote instead of
24 above it, but those are the -- we will send out a revised
25 electronic version of this document this afternoon.

1 And, finally, there is a document which is
2 titled "Final Recommendations," and it has some tabs
3 attached to it. And at the front of the final
4 recommendations are indeed the final recommendations of
5 my client. And then there are nine (9) attachments. And
6 Attachments 3 and 4, I'd ask the Board not to look at
7 them for a second. They are -- and -- and I'll just
8 indicate, they are documents which were what we
9 considered to be a summary of the record of this
10 proceeding in terms of the evidence of Professors Kubursi
11 and Magee.

12 And My Friend, Ms. Ramage, notes for me
13 that it's -- it's sounding particularly authoritative,
14 and I'll certainly allow her to put her comments on the
15 record. And I think the -- the concern she -- she's --
16 she is going to offer is that -- that this is more in the
17 guise of expert evidence rather than commentary on the
18 record.

19 Speaking for our clients, we are -- we are
20 confident that it -- it accurately reflects the record of
21 this proceeding, but we understand Ms. Ramage's concerns.
22 We're at the beck and call of the Board on this. We are
23 certainly prepared to -- when -- we'll certainly do as
24 instructed. It will not -- I -- I think it will assist
25 the Board's deliberations, but the exclusion of it will

1 not prejudice my client's submissions. I suggest Ms.
2 Ramage be -- be given an opportunity to -- to offer her
3 comments.

4 THE CHAIRPERSON: Ms. Ramage...?

5 MS. PATTI RAMAGE: Yes, the concern from
6 Manitoba Hydro's perspective is these documents purport
7 to summarize the Kubursi/Magee Report and put that report
8 in plain language. CAC themselves have no expertise in
9 order to do that if -- I -- I -- I think we can all
10 recognize that. And therethor -- therefore they've had
11 to rely on their own advisors to do that. And it's
12 Manitoba Hydro's view that if you're having your advisors
13 put materials in front of this Board, those advisors
14 should, in the normal course, have filed some sort of
15 pre-filed evidence and been subjected to cross-
16 examination.

17 I -- given the -- the time at which we
18 received this I -- I can't comment on Mr. Williams'
19 statement that most of it comes from the record, I wasn't
20 able to -- I didn't have the record with me at the lake
21 this weekend to check that. But there are definitely
22 some authoritative statements made in this document that
23 go beyond argument. For example, it tells us on page 5
24 of it that, in addition, a set of observations can be
25 tested against --

1 MR. ROBERT MAYER: Page -- page 5 of
2 what?

3 MS. PATTI RAMAGE: Oh, sorry. Page 5 of
4 this document. It simply makes statements telling us
5 what is the norm and what is not the norm and -- and it's
6 --it's the document called "The Plain Language Discussion
7 of Professors Kubursi and Magee." And that's Attachment
8 3.

9 And my concern is I can't say that I found
10 anything particularly objectionable in those statements
11 but the process has to have some discipline, and when
12 we're filing an expert's report it should come in the
13 normal course not during final argument.

14 So that's Manitoba Hydro's concern, we --
15 particularly given -- I think we got this Thursday
16 evening. If there is something in there that we have a
17 concern about it's very difficult to find that at this
18 stage in the game and so that's Manitoba Hydro's concern.
19 Now, like Mr. Williams, I'm -- I'm not at this point --
20 at this level of review saying we are irreparably harmed
21 but I have concerns with this type of material being
22 filed in -- in final argument as opposed to earlier in
23 the process.

24 MR. BYRON WILLIAMS: Mr. Chairman --

25 THE CHAIRPERSON: Well, we --

1 MR. BYRON WILLIAMS: -- and Mr. Vice-
2 Chair, just by summary. I -- I think I can, if called
3 upon, would be able to -- to provide references from --
4 from the record for -- for all of these statements.

5 But what I -- I propose to do in my
6 closing submissions is, recognizing the caution of
7 Manitoba Hydro not refer to these two (2) attachments and
8 -- unless -- and -- and certainly if the Board wishes to
9 remove them from the record. As I said I -- I think
10 they're of more help and -- and no prejudice but we're
11 certainly open to that -- that as well.

12 MR. ROBERT MAYER: Mr. Williams, I have a
13 couple of questions. And I just got the written outline
14 argument this morning and you list on page 8 introductory
15 comments about CAC/MSOS experts. I see Dr. Higgins (sic)
16 listed as number one (1). I'd asked a couple of times
17 during the course of these proceedings were we going to
18 hear from him. As far as I know we didn't. Is anything
19 from Dr. Higgins included in any of the material that Ms.
20 Ramage has concerns about?

21 MR. BYRON WILLIAMS: No, Mr. -- but --
22 but I think -- but to be clear, I think I called those
23 the analysts and remember that I have to do my
24 submissions about costs in the -- in the course of this
25 hearing. So this is the -- the team that -- that is --

1 it's on the record that this is the team that is
2 supporting us.

3 But -- but, Mr. Mayer, if you were, I
4 think, going to the thrust of your question, listed there
5 as well is Professor Simpson right be -- beneath him.
6 And certainly if you look at the original genesis of the
7 memo that's Attachment 3, that was me asking for a plain
8 language description of what -- what is going on in the
9 hearing.

10 What I have done is edited this document
11 with some of our own language and also deleted any
12 extraneous documents from the -- the original memo I
13 received from Professor Simpson. For example, he refers
14 to hydrology texts. I took those texts out because
15 they're not on the record of this proceeding so the --
16 the -- the language about probability distributions that
17 you see, for example, on page 3 you could -- you would
18 have found similar language in Professor Simpson's memo.
19 You would also find similar language in the expert
20 evidence, the expert report of Professors Kubursi and
21 Magee, that's why I didn't feel uncomfortable.

22 But again, I -- I do understand Hydro's
23 concerns and I -- and I don't want them to feel like
24 we're back-dooring them with this.

25 THE CHAIRPERSON: Thank you, Mr.

1 Williams. We know this --

2 MS. PATTI RAMAGE: If I could just -- oh,
3 sorry -- clarify, and I'm looking at PUB counsel 2, is
4 Ms. -- is Dr. Simpson's memo -- because I understand this
5 to have been written by Dr. Simpson. Is his memo on the
6 record previously? And maybe that would --

7 MR. BYRON WILLIAMS: Well, there --
8 there's two (2) things. This is not the memo that was
9 originally provided to me by Professor Simpson. I said
10 the genesis of some of the plain language. Does that --
11 that assist?

12 THE CHAIRPERSON: Mr. Williams, this is
13 your final argument, closing statements. We can give it
14 the -- the weight that we choose to give it. I -- I
15 don't think that we want to impede your delivery. We
16 appreciate the comments that you've made of where you've
17 drawn on it, and we've -- we've already seen sections,
18 these particular sections, so I -- I would just proceed
19 as you planned.

20

21 CONTINUED BY MR. BYRON WILLIAMS:

22 MR. BYRON WILLIAMS: Well, where I plan
23 would be to -- would -- would be to start to direct you
24 to the written outline of -- of CAC/MSOS. And at page 3
25 you'll see a -- a headline called "A Potential Legacy for

1 this Extraordinary Hearing." And -- and before I get to
2 the substance of that -- that quote, perhaps in the very
3 first conversation I had with Mr. Warden in cross-
4 examination, I took him to task for a -- a comment in the
5 -- in the -- that Hydro had made in its first -- first of
6 the hearing about regulatory burden.

7 And the thrust of my argument through
8 cross-examination on -- on that day was that, recognizing
9 that this hearing itself has been onerous on -- on all
10 parties, that really the record over the last decade
11 suggests that the Public Utilities Board, rather than be
12 a burden to Manitoba Public -- Manitoba Hydro, has been a
13 valuable part of -- of a -- of its stability and -- and
14 the confidence in -- in which various organizations
15 relate to it.

16 And certainly we have comments on the
17 record of this proceeding from bond rating agencies,
18 commenting very favourably on the support this regulator
19 has provided to -- to Manitoba Hydro in -- in drought --
20 in drought times. And -- and certainly we also have
21 evidence on the record saying that, rather than be a
22 burden, the cost of regulation has been -- been quite
23 relatively inexpensive as compared to Manitoba Hydro's
24 revenues.

25 So that's just kind of -- which -- but

1 that brings us to this hearing, and the thought that our
2 clients had was, this hearing itself has been
3 extraordinarily time consuming. It's been significantly
4 expensive and, given that, the question our clients asked
5 is: What would they see as an appropriate legacy from
6 this hearing? What would be a -- a good result, not --
7 justifying from their perspective, the -- the degree of
8 expenditure and the degree of analysis? And on this page
9 they've set out at -- at, I shall not say high level,
10 they have set out a -- a list of -- of what they see as
11 what would be a -- an important legacy of this hearing,
12 if this could be achieved.

13 And I'll come to those comments in a
14 second, but I do -- at the bottom of the page, you will
15 see obviously something that I -- I lifted from the --
16 the statement of the chairperson in his opening comments
17 in the MPI pre-hearing conference just last week, when he
18 stated that openness and transparency are the clarion
19 calls of this Board.

20 And if one looks at the legacy that our --
21 our clients seek to achieve from this hearing, a lot of
22 that relates to transparency: better forecasting in the
23 area of -- of debt financing; improved accountability
24 when we look at debt financing and also when we look at
25 major capital projects, so -- so that the circumstances

1 that arose in terms of Bipole 3 do not arise again or
2 that we have better assurance that they will not;
3 transparent mechanisms to protect and reward consumers in
4 terms of unforeseen variances in export market revenues,
5 the rate stabilization mechanism of Mr. Matwichuk,
6 sending a -- a message to them about the good times in
7 terms of exceeding forecasts on export revenues as well
8 as the bad times; better transparency in terms of -- and
9 better accountability in terms of debt financing costs in
10 -- in terms of the deferral mechanism proposed by Mr.
11 McCormick; number 4, recognizing that this Board cannot
12 dictate to Manitoba Hydro how it spends in terms of
13 energy efficiency, in terms of how it spends in terms of
14 low-income energy efficiency, using the revenue
15 requirement, using the rate setting process to send a
16 message that this -- that this regulator expects more in
17 terms of a commitment and improved accountability in
18 terms of energy efficiency, especially as it affects low-
19 income persons; point number 5 is a transparent roadmap
20 using modern statistical methodology for risk
21 quantification and mitigation as they may affect the rate
22 setting process.

23 And later on you're going to hear some
24 critical comments from my clients in terms of Professors
25 Kubursi and Magee, but you're also going to hear some

1 very flattering ones, I hope. And -- and in our client's
2 submission, due in large part to their independent
3 expert, we -- we are far ahead of the game as compared to
4 Manitoba Public Insurance in terms of a real clear
5 outline in terms of risk quantification, like at an early
6 stage, and I'll -- I'll try and elaborate on that point,
7 but...

8 Number 6, a revenue requirement that
9 transparently addresses both test year and long-term --
10 long-term issues. And our clients certainly have read
11 Board Order 40/11 with obsessive -- obsessive detail.
12 And they've -- they're aware, even from the comments of
13 Board counsel at the start, that -- that there are
14 competing themes in this hearing, concerns the Board may
15 have about how ha -- Hydro manages its day-to-day
16 expenditures, concerns about the dramatic growth in
17 capitalized OM&A, concerns about debt financing, concerns
18 about energy efficiency. But countervailing against
19 that, our clients are also aware the Board is looking
20 farther down the line and having material discomfort with
21 the "promise" of the decade of investment.

22 And what we're going to propose in our
23 recommendations is what we hope is a innovative approach
24 to try and -- try and do what is very difficult to do, to
25 send messages about efficiency over the short-term, but

1 also recognize those longer term issues. And whether I'm
2 successful or not, I guess we -- we won't find out until
3 the closing argument -- until the -- until the Board's
4 order. Thank you for that correction.

5 The final point in terms of the legacy,
6 and the Board already has started to speak to this in its
7 interim order, is recognizing the material stresses that
8 consumers are still under, that business is still under,
9 that industry is still under. The recession is a factor,
10 but certainly as a resident of Souris, there are also
11 tremendous stresses at a localized basis related to the
12 flood. And -- and we think those are important matters
13 for the Board to take judicial consideration of, to take
14 note of, as it sets this rate.

15 At pages -- at page 4 we begin a
16 discussion of the statutory legal and regulatory
17 framework. Now, the Board may say it's well familiar
18 with this, there's no real need go through it, but
19 certainly bitter experience with the Manitoba Public
20 Insurance stated case suggests to my clients that it's
21 important for this Board to, in its reasons for
22 decisions, enunciate the statutory framework that it is
23 operating under, enunciate the -- the criteria it is
24 employing because we've seen certainly with the case of
25 Manitoba Public Insurance where a large regulated util --

1 company may misconstrue or misunderstand that.

2 And on page 4 -- and on page 4 of this
3 outline our clients make a couple of important points
4 looking at the underlying legislative purpose of this
5 Board. And that's made in the -- the second -- the --
6 the middle, and then the last quote -- or the last
7 citation on this page.

8 In the middle citation we make the point
9 that the underlying purpose remains the same whether
10 we're dealing with a utility or a Crown corporation
11 pursuant to the Crown Corporations Act. And that's
12 balancing those two (2) fundamental concerns: the
13 interest of ratepayers and the financial help of the
14 utility and corporation -- or corporation.

15 And section -- the last paragraph makes
16 the point again that when we're looking at a just and
17 reasonable rate that is that balancing act. And again,
18 Mr. Chairman and Mr. Vice-Chairman, we recognize that
19 underlying the Board's judgment in the Interim Order 40-
20 11 and in a series of judgments since the drought has
21 been a recognition of this long-term issue, a concern
22 with the underlying health of the Corporation as it may
23 affect ratepayers. And certainly in our submission it's
24 open to the Board to -- to have those considerations at
25 hand and those -- those are a very important part of the

1 deliberation.

2 At page 5, though, we set out another
3 equally central part of that deliberation, and again
4 we're citing Mr. Wiens favourite -- favourite author, Mr.
5 Bonbright. But we make the point on this page that it is
6 central to the regulatory process that a determination be
7 made whether or not the applicant in question is
8 employing all reasonable cost efficiencies. And the test
9 is whether those costs reasonably or prudently occur,
10 whether they're necessary. And that philosophy applies
11 equally to public ownership and to private ownership.

12 And the dilemma we recognized at the last
13 hearing, we call it the regulatory dilemma, we recognize
14 it again in this one, is that there may be competing
15 pressures on the rate base and the revenue requirement.
16 The Board may, in its wisdom, decide that there is a need
17 for greater efficiencies, but against that they may have
18 a concern with the longer-term picture. And we're hoping
19 in the course of our deliberations to give you tools to
20 address both in -- in -- in the -- in the context of this
21 final order.

22 At page 6, right at the po -- the -- the
23 top I again plagiarize from the Chairman in his opening
24 comments in the Manitoba Public Insurance proceeding,
25 suggesting that the Board interpret this role of setting

1 just and reasonable rates based on prudent expenditures.

2 And we set out what our clients consider
3 the five (5) elements of that test. And, again, we
4 emphasize this point because we have noted in other
5 proceedings with other Crown corporations, maybe they
6 haven't fully understood how the test should work. And
7 perhaps I don't, but this is certainly our clients'
8 position.

9 An important part of this test right at
10 the bo -- start, ensuring that forecasts are reasonably
11 reliable. Ensuring that actual and projected costs
12 incurred are necessary and prudent. Assessing the
13 revenue needs of the Corporation while giving due
14 consideration to its overall financial health, the big
15 picture that -- that the Board speaks so eloquently of in
16 Order 40/11. Determining an appropriate allocation of
17 approved costs between classes and making My Learned
18 Friend from the City of Winnipeg keep her comments
19 relatively brief. And setting just and reasonable rates
20 in accordance with the statutory objectives.

21 And in our client's submissions, Mr.
22 Chairman, Mr. Vice-Chair, we're going to suggest to the
23 Board that in its reasons it make express readings --
24 express findings, excuse me, on all five (5) of these car
25 -- categories.

1 And to jump to the end of the story before
2 I get to the -- to our recommendations, we're certainly
3 going to ask the Board to say in ter -- under the heading
4 of prudent and necessary costs, that as well as looking
5 at the improvements in the corp -- Corporation's position
6 we are going to ask the Board to look at its 2 percent
7 interim rate and suggest to it that maybe, given the new
8 evidence that has come in, the new evidence from Mr.
9 Brennan, the new evidence from Mr. McCormick, et cetera,
10 that maybe you should knock a little bit off or a lot off
11 that 2 percent, and do so expressly.

12 We also note though and we -- although
13 this is not my clients' first preference give -- given
14 the -- the Corporation's -- the Board's concern with the
15 overall health of the Corporation, looking to the long
16 term, we're also going to suggest that the Board may --
17 may want to ultimately add a bit back in, in terms of the
18 long-term risk to the -- risks to the Corporation.

19 And, Mr. Chairman, Mr. Vice-Chair, I'll
20 get to it in just -- near the end, but just to give you
21 an example, let's say the Board in its wisdom decided:
22 You're not doing the job on energy efficiency, you're not
23 doing the job on OM&A, you're not doing the job on
24 maximizing the opportunities in terms of debt financing.
25 It could -- and this isn't our clients' position, but opt

1 -- or notionally, knock off a percent, one (1) percentage
2 point, from 2 to 1 percent. Do so expressly, and then
3 roll back in, in terms of its long-term concerns, another
4 .5 percent. And make the point in its written decision
5 that, but for its concerns with the long-term risks avail
6 -- facing the Corporation, there is -- the rate decrease
7 would have been greater.

8 So that's the kind of concept that we're
9 trying to present, Mr. -- Mr. Vice-Chair.

10 MR. ROBERT MAYER: Mr. Williams, you
11 mentioned the new evidence of Mr. Brennan. Having not
12 seen him in this room for some time, I'm assuming that
13 you are referring to the letter that was placed in
14 evidence respecting how Hydro was going to economize?

15

16 CONTINUED BY MR. BYRON WILLIAMS:

17 MR. BYRON WILLIAMS: I'm referring to
18 Exhibits 112 and 124, which relate to the expressions of
19 concern offered by Mr. Brennan, yes.

20 Turning to page 7 of the outline, Mr.
21 Chairman, Mr. Vice-Chair, I don't need to tell you who
22 CAC/MSOS are. There are four (4) points I do want you to
23 take from this page.

24 First of all, the -- and I speak to the
25 insight that my clients seek to bring to this hearing,

1 and one is that they are -- the fact that they're long-
2 term participants in the regulatory process, not just on
3 the Hydro side, but on the MPI side as well. And so I
4 think they bring some insight to this proceeding that
5 others may not in terms of risk quantification, stress
6 tests versus probabilistic analysis. And that's
7 important to know where our clients are coming from.

8 Towards the -- the middle paragraph, we
9 talk about CAC's consumer contact -- contacts. And it's
10 important to know that our clients have a mechanism by
11 which they yearly, daily, hear from consumers. You've --
12 the Board's also heard through the -- through the course
13 of this hearing from Professor Carter about workshops on
14 low-income rate assistance, and also other forms of
15 consumer consultation through my interim arguments on
16 March the 9th. And the point I'm trying to make is that
17 our clients have gone to some extraordinary lengths in
18 terms of getting that insight from consumers, and
19 especially those affecting vulnerable groups.

20 Finally, Mr. Chairman and Mr. Vice-Chair,
21 a sad note, which you'll see in the second-last paragraph
22 of this proceeding, is that this is -- will be the -- the
23 last hearing in which our clients include the Manitoba
24 Society of Seniors, and an editorial comment certainly.
25 They've been a -- a fabulous client, and certainly they

1 will be -- they will be missed. And the reasons are not
2 any break-up in the coalition, they -- they relate to the
3 future of the Manitoba Society of Seniors.

4 At page 8, Mr. Chairman and Mr. Vice-
5 Chair, and -- and as the Vice-Chair has correctly noted,
6 I talk about some of the analysts that -- whose
7 perspective is underlying the CAC/MSOS presentation. We
8 talk about Professor Higgin and Professor Simpson, and
9 certainly Bill Harper.

10 At page 9, we talk about the actual expert
11 witnesses of CAC/MSOS, and a -- a couple of points about
12 each of them. Mr. Matwichuk brings a fabulous regulatory
13 accounting perspective to this proceeding based on his
14 experience in a variety of jurisdictions. And I think
15 that is really -- certainly on behalf of our clients, we
16 submit that that has really enriched his perspective.

17 Professor Carter is really the outlier,
18 the outsider in this hearing, because he comes not from a
19 rate regulation perspective, but from a perspective of
20 the delivery of poverty services, anti-poverty services,
21 the evaluation of them, and strategic planning. And we
22 think that's an important insight that he brings from
23 outside the -- the normal process, noting that he's been
24 relied upon as a strategist by the province quite
25 recently.

1 And certainly there's the very shy and
2 retiring Mr. McCormick. The -- who I think had the best
3 quote of the whole hearing when he said he was allergic
4 to bad forecasting. And -- and you have to commend Mr.
5 McCormick and also, we'll submit, give substantial weight
6 to his submissions because to -- the proof is in the
7 pudding. He has materially assisted this Board in terms
8 of Centra. He has materially assisted this Board in
9 Hydro, even in IFF-09. The enhancements which they speak
10 of in IFF-09 in terms of debt financing are ones
11 certainly that Mr. McCormick brought to their attention
12 through information requests.

13 And the last point on Mr. McCormick I note
14 is that he had a life before he was a consultant. It was
15 a fabulously rich and diverse life, including at a senior
16 level in ScotiaMc -- McLeod, in which he participated in
17 the pla -- the placement of billions of dollars of debt.
18 So this is not a outsider who's -- who's not dealt with
19 issues of substantial ma -- magnitude in terms of the
20 placement of debt.

21 In terms of, at page 10, the team,
22 certainly we want to make the point that this is a strong
23 multi-disciplinary ter -- team with diverse backgrounds,
24 not just from industry, not just from consumer, but a
25 richer background. And we certainly think that their

1 work has been -- been justified. The contribution will
2 be noted, we hope, in the Board's final order.

3 At page 11, we talk about the independent
4 experts, and we're going to do so at two (2) places in
5 this hearing, Mr. Chairman and Mr. Vice-Chair. I wanted
6 to talk on behalf of our clients about them now because
7 later on we are going to have some strong words about
8 some of their analysis in chapter 6. And -- and
9 certainly -- our clients certainly believe that the --
10 the June 24th undertaking response of the independent
11 experts reinforces the position that our clients were --
12 were seeking to make in terms of them.

13 But notwithstanding our grave concerns
14 with their analysis underlying chapter 6, our clients
15 wanted to make the -- the point that there's -- there's -
16 - that -- that one can't take a bad result in chapter 6
17 and tarnish the entire report. And we're going to
18 suggest that each chapter of these experts should be
19 weighed carefully, taking into account the primary
20 author, his respective expertise, and giving due
21 consideration to their specific analysis.

22 And we do want to recognize at this point
23 in time a number of very important contributions by the
24 independent experts to this hearing. Their advice about
25 forecasting and means to which -- by which to improve

1 forecasting we think was -- by Professor Kubursi was very
2 valuable and supportive, as well of the advice of Mr.
3 McCormick.

4 We think that they have done yeoman
5 service in terms of the whistleblower's report. And
6 certainly there's a Moody analysis that's attached to
7 CAC/MSOS Exhibit 15, it's particularly Tab 6, which cites
8 in part the independent experts as allaying some of the
9 concerns of Moody, also the KPMG report as well. But
10 that's important to remember, that both KPMG and the
11 independent expert have added some value in that regard.

12 Chapter 4 of the independent expert's --
13 primarily authored by Mr. -- Professor Magee, there is
14 some strong work there in terms of the issue of risk
15 associated with water flows. And at the top of page 12
16 of our outline they make a very important point. They
17 certainly enrich and add a -- in chapter 4, a
18 fundamentally more sophisticated and -- and useful
19 approach than Manitoba Hydro's, our clients would submit.
20 But at the end of the day they make the point that, when
21 it comes to the water flows, Manitoba Hydro's approach
22 does not appear to be biased.

23 And hearing that from two (2)
24 econometricians, the words can be lost sometimes in the -
25 - in the -- in, you know, significance and bias, but when

1 they -- when they say that it's not excessively
2 optimistic or pessimistic, that's an important statement
3 by those experts. And certainly we -- we're of the view
4 that Professor Magee, in chapter 4, materially improves
5 on Manitoba Hydro's process.

6 And the last point -- some of the comments
7 which -- which -- excuse me, I have a few more points
8 here. We certainly, on behalf of our clients, will be
9 taking material issue with the numbers ultimately
10 produced by Professors Kubursi and Magee, but they do
11 outline a very important approach to risk analysis, which
12 we've set out the path, having four (4) elements at page
13 12, and moving on to -- to page 13. And we note as well
14 that Mr. Cormie, in his evidence, seemed to -- to have
15 some support for this conceptually, as well as Mr.
16 Wallach.

17 Turning to page 14 -- and, excuse me, one
18 (1) last summary comment, and -- and I made this and I --
19 I saw some puzzled looks in the room. Our clients have
20 gone through the wars in terms of risk quantification
21 with Manitoba Public Insurance, and we've seen the -- the
22 endless debates about stress tests as -- as addressed
23 through the minimum capital -- the MCT versus
24 probabilistic assessment. And my clients are certainly
25 of the view that, in this one (1) hearing, Professors

1 Kubursi and Magee analytically have contribute a great
2 deal and -- to the Board's overall understanding of these
3 issues. Even the inclusion of probability distributions,
4 matters of that type, have been very -- an extremely
5 substantial contribution.

6 At page 14, we chat about some of the
7 limitations in terms of the -- the independent experts.
8 And Professor Kubursi said to me at page 6460 of the
9 transcripts -- and I'm -- I'm not including the full
10 quote, but this is an excerpt, therefore the quotation
11 marks:

12 "We had so many things to do, and it
13 truly was a daunting retainer."

14 And we think, when -- when one looks at
15 their report, you can see different levels of comfort
16 with different areas, with Professor Kubursi clearly more
17 comfortable discussing broader concepts of risk
18 management and risk mitigation, but deferring to
19 Professor Magee and noting more comfort with his answers
20 in more technical areas of econometric analysis.

21 And this is an important point, Mr.
22 Chairman and Mr. Vice-Chair, because there's two (2)
23 major chapters involving that type of skill set: chapter
24 4, in which the primary author was Professor Magee, and
25 chapter 6, in which the primary author was Professor

1 Kubursi. And -- and we note that, given the many
2 demands, the areas of primary comfort and significant
3 technical challenges, it's not surprising that there were
4 material challenges with chapter 6.

5 And, Mr. Chairman and Mr. Vice-Chair, I
6 have a very lengthy section about Professors Kubursi and
7 Magee that comes later in this argument and, so, rather
8 than -- than dwelling on pages 15 and 16 at this point in
9 time, I am merely going to state that our clients have
10 fundamental concerns with a variety of the analyses and
11 numbers that flow from chapter 6. And -- and at the top
12 of page 16 of our summary, we also make the point that
13 the estimates of a five (5) year and seven (7) year
14 drought produced by Professors Kubursi and Magee flow
15 from the data from chapter 6 as well as the probability
16 distributions. And so the same concerns that we have
17 relating to that entirety of that chapter, which I will
18 elaborate upon a bit later, flow to those estimates as
19 well.

20 The point that we seek to make on the rest
21 of page 16 is simply one would not be surprised that very
22 gifted analysts, trying to rapidly learn about a large
23 utility in a rapid basis, might have some -- some
24 challenges. And the point we're trying to make on page
25 16 is that, notwithstanding those challenges, that

1 concept that they advance is materially important, and
2 Hydro itself acknowledges it at page 86 of its rebuttal.

3 And we put that quote there for the Board
4 to -- to consider, and we think it's an important point
5 to make. Notwithstanding data limitations,
6 notwithstanding flawed analysis, in our respectful
7 submission, there's an important concept that can
8 materially assist this Board in developing an appropriate
9 road map for risk quantification, risk mitigation, and
10 analysis. And that's why we state that, notwithstanding
11 our severe concerns with chapter 6, in many ways they've
12 left us, or our clients, from our clients' perspective,
13 farther ahead than in some ways we are with Manitoba
14 Public Insurance.

15 On page 17, our clients merely cite our
16 understanding -- their understanding of the Manitoba
17 Hydro position, and my -- My Learned Friend, Ms.
18 Southall, summarized a lot of the case much better than I
19 can, so I -- I will merely state that that is our
20 understanding of their position.

21 At page 18, though, we provide an overview
22 of our clients' concerns relating to forecasts. And
23 certainly there is -- Professors Kubursi and Magee make
24 this point: that there are risks associated with
25 inaccurate forecasts. And I'm referring the Board to the

1 top of page 18. And just for the Board's information,
2 I've tried to accurately reflect and cite from the record
3 on behalf of our clients. If I've got something in
4 quotation marks, I'm -- I'm quoting it exactly. If I'm
5 just citing it, I'm trying to fairly summarize their
6 statement.

7 At the top of page 18, though, Professors
8 Kubursi and Magee make the point that inaccuracy of
9 forecasting carry both operational and planning risk.
10 And they make it -- they note their concern with the
11 overestimation of revenues can create a -- an optimistic
12 atmosphere of complacency and overcommitment, with
13 underestimation sending perhaps an opposite atmosphere.
14 But that both are costly.

15 And we note as well the Board's comments,
16 and I'm -- I'm working off of handwritten notes, but from
17 the MPI pre-hearing conference. In that case, over the
18 last few years, the lengthy record of inaccurate
19 forecasts from Manitoba Public Insurance has led to
20 ongoing and regular overcharging of customers. And so,
21 during the course of our clients' submission today, they
22 will be outlining some concerns with forecasting.

23 Our primary areas of concern in terms of
24 forecasting are cumula -- cumulative net income, what we
25 characterize as a significant overestimate of financing

1 costs, our concern with what we -- our clients consider
2 to be a material understatement of capital costs related
3 to Bipole 3 in IFF-09 and IFF-10, Mr. Matwichuk's point
4 about significant variances in export revenue forecasts
5 from actual, and also our clients concerns with what they
6 consider to be an underperformance in residential demand-
7 side management as compared to plan. And our clients --
8 we don't have a single forecasting section so it will be
9 interspersed in -- in different parts of the argument.

10 One (1) last comment before we leave this
11 cha -- page, Mr. Vice-Chair and Mr. Chairman. As I said,
12 our clients have read the Board's interim order with
13 great interest and -- and they acknowledge the Board's
14 legitimate concern with the plausibility of elements of
15 the decade of investment. But they also want to make the
16 point that within those long-term forecasts of Manitoba
17 Hydro there are other challenges which may go the other
18 way. Revenues, certainly over the last few years, have
19 been significantly underestimated. Our clients, via Mr.
20 McCormick, make the point that financing costs are -- are
21 significantly overestimated. So while our clients
22 acknowledge the Board's concerns with the decade of in --
23 investment, they -- they note that built into the IFFs
24 are revenues -- revenue imp -- are forecast with revenue
25 implications going the other way.

1 At page 19 our clients cite the evidence
2 of Mr. Matwichuk. And certainly I can't recall that this
3 was contested either through cross-examination or
4 rebuttal, although I'll -- certainly would be subject to
5 check on that. Mr. Matwichuk looked at cumulative annual
6 net income between the period 2005 through 2010. And the
7 actual he suggested at 1.44 billion was significantly
8 greater than the forecast net income of 663 million. So
9 the difference -- the variance there, in his view, was
10 seven (7) -- 777 million. And that, from our client's
11 perspective, is an important thing to keep in mind as we
12 test the IFFs looking lo -- more at the long-term.

13 And certainly Board counsel's comments of
14 earlier this morning in terms of changes from IFF-07
15 until today, even from IFF-09 until today, also are
16 supportive of our clients' thesis that there are -- there
17 are hidden strengths in the -- in the revenues of the
18 corporation that are not always reflected in forecasts.

19 At pages 20 to 23 we ask what may seem to
20 be a rhetorical question: Do all overforecasts of intra
21 -- interest expenses or underforecasts of revenues
22 matter? And while it may seem rhetorical, we're not sure
23 what Hydro's answer is because at page 22 of 96 of the
24 rebuttal they seem to say that to the extent there are
25 higher contributions to retained earnings as a result of

1 the overestimation of interest expense there will be
2 lower future rate increase requirements.

3 So, given Hydro's position, as we
4 understand it from the rebuttal evidence, our clients
5 felt the need to an -- ask this question and to answer
6 it. And they say most emphatically they do matter, both
7 the underforecast of expenses and the under -- excuse me,
8 both the overforecast of expenses and the underforecasts
9 of revenue.

10 And when we look specifically -- still
11 staying on page 20. When we look specifically at finance
12 expense, never have the forecasts of finance expense been
13 more important than the current context. It's the
14 largest expense category in the forecast. And Mr.
15 McCormick points out, it's projected to get even larger
16 going out to 2020. And certainly as the Board opening --
17 or the Board counsel's comments noted, there's also
18 significant capitalized finance ex -- expense as well.

19 And Mr. McCormick has a gift for the glib
20 phrase and I -- I'm going to cite him directly here.

21 "We're embarking on a decade of
22 investment. And, frankly, I'd rather
23 know the cumulative consequences of the
24 millions or perhaps billions of dollars
25 of new net -- new debt that's going to

1 be incurred over time. And I'd rather
2 they were properly estimated."

3 Our clients could not agree more. On page
4 20 at the top, they also noted -- note the evidence --
5 page 21, excuse me. They also note the evidence of
6 MIPUG, Mr. Bowman and Mr. McLaren, who noted -- did a
7 really interesting contrast in their evidence, and that --
8 -- this is captured in the transcript as well, looking at
9 IFF-07 versus IFF-09 or IFF-10.

10 And what they noted is that if you're
11 going -- going to look back at IFF-07 in terms of equity
12 as compared to debt, Hydro's forecasts at that point in
13 time were relatively pessimistic compared to IFF-09 and
14 IFF-10 in the current years, the test years. But they
15 were projecting lower rate increases than -- than we see
16 proposed in -- in the current application.

17 And counsel for the Board questioned
18 whether the achievement of lower debt-equity was cause
19 for celebration. Messrs. Bowman and McLaren correctly
20 note that, notwithstanding the achievement of higher
21 retained earnings than forecast, the Corporation is now
22 seeking higher for -- a higher rate increase.

23 In the middle of page 21 we make the point
24 that there is no guarantee that excess revenues to
25 collect overestimated costs will go to retained earnings.

1 And -- and, frankly, Mr. Brennan's memos, Exhibits 112 of
2 Manitoba Hydro and Exhibits 124, make that client -- that
3 point for our clients better than they could.

4 And there are issues of intergenerational
5 equity raised and they were highlighted by Mr. McCormick.
6 And cer -- getting estimates wrong in the forecast years
7 raises concerns of intergenerational equity for customers
8 in the forecast years. And, again, to quote him:

9 "It's not an RSP. It's not something
10 that I can get the year I need it.
11 It's like I've given it away and at
12 some future year of unknown time, some
13 potentially illusionary benefit will be
14 available to the customer but not
15 necessarily to me."

16 So that's why our clients are firmly of
17 the view that forecasting matters.

18 At page 22, I'm not going to -- we --
19 really, numbers 5 and 6 are citing the Board from the
20 Manitoba Public Insurance proceeding. And in that
21 proceeding, the Board made very clear that forecasting is
22 very, very important. And page 9 of Order 86/11 in the --
23 -- in the context appropriate claims incurred, which is a
24 cost line in Manitoba Public Insurance, the Board made
25 the point that it was very important for ensuring just

1 and reasonable rates to get those estimates accurate.

2 The quote under heading number 6 again is
3 from Board -- from another MPI Board Order, 43/11. It
4 notes that the rebate was driven by inaccurate forecasts,
5 and that while ratepayers tend to like rebates there are
6 profound issues raised by them relating to
7 intergenerational equity and fair and reasonable rates.

8 And certainly from our client's
9 perspective, Mr. Chairman and Mr. Vice-Chair, we can say
10 with confidence that from a consumer perspective it is
11 preferable to have money in one's pockets based on more
12 accurate forecasts rather than in the pocket of the
13 Corporation based upon less accurate forecasts.

14 And going to the top of page 23, we
15 certainly are of the -- the view, our clients are, and
16 without suggesting any motivation of personal gain, that
17 all other things being equal, many corporations tend to
18 prefer -- pre -- prefer to have excess forecasts in their
19 pocket because it gives them more flexibility to spend
20 and less need to ask for more the next time. And that is
21 exactly why consumers care about forecasts. They --
22 that's why they prefer accurate forecasts.

23 And again, Mr. McCormick -- I'm going to
24 cite him a few times today -- said this really well:

25 "I don't think Hydro is individually

1 nefarious about their forecasting
2 methodology but I'll bet, within an
3 organization like that, there's a much
4 bigger desire to estimate just a little
5 bit more than there is to grind things
6 down to the last cent."

7 And we think the record of this hearing,
8 with the exception of Bipole 3, makes that point.

9 And Mr. McCormick goes to a deeper point:

10 "I've not objected to Hydro having a
11 particular equity or income layer. I
12 do object to defending a seriously
13 flawed and substantially untested group
14 of policies as a part of a program that
15 has the effect of maintaining or
16 increasing income. I would prefer
17 that, if someone actually needed a
18 higher level of income, that they would
19 make the case directly rather than
20 surreptitiously."

21 And certainly, Mr. Chairman and Mr. Vice-
22 Chairman, from our clients' perspective, they would
23 rather have improved forecasting built into the rates and
24 then if the Board, in its wisdom, ultimately decides,
25 perhaps against my clients' objections, that retained

1 earnings need to be built up for the decade of investment
2 and because of the risks, that that be a transparent part
3 of the rate setting -- rate setting process, rather than
4 relying on variances from forecasts to -- to achieve
5 that.

6 At page 24 of the outline, our clients
7 move --

8 MR. ROBERT MAYER: Before -- before you
9 leave there, I -- I was -- I caught your comment going --
10 going back to page 23, "I don't think Hydro is
11 individually nefarious" line, and you said except with
12 respect to the Bipole 3 estimates. And I don't
13 understand that because --

14 MR. BYRON WILLIAMS: Sorry, sorry. And I
15 don't -- Mr. Mayer, if that was the -- I -- I think I was
16 trying to say two (2) different things there, so let me -
17 - let me back up.

18 MR. ROBERT MAYER: No, no. Let me finish
19 --

20 MR. BYRON WILLIAMS: Okay.

21 MR. ROBERT MAYER: -- the question.

22 MR. BYRON WILLIAMS: Oh, I'm sorry.

23 MR. ROBERT MAYER: I -- what I took from
24 your comment was that, except in the case of Bipole 3,
25 Manitoba Hydro would, or would tend to be more generous

1 with themselves, in other words, overestimate the costs.
2 And then you said except in the case of Bipole 3, but my
3 evide -- my recollection of the evidence is that the
4 estimates that we originally got from Manitoba Hydro's
5 vice-presidents was in fact higher than the eventual
6 estimate we got from the retained experts. So I -- I was
7 a little confused by your comment.

8

9 CONTINUED BY MR. BYRON WILLIAMS:

10 MR. BYRON WILLIAMS: And please accept my
11 apology for interrupting. I'm pumped today, so I
12 apologize for that. Yes, you had the first part of our
13 point, which is that, all other things being equal, we
14 certainly see a -- a tendency to -- to -- on forecasting
15 finance costs, et cetera, revenue, err on the side of
16 pessimism.

17 In -- in terms of Bipole 3, we certainly
18 do not disagree with you that there was a 3.9 billion
19 figure put forward, but that 3.9 billion figure was not
20 built into the IFF. And so the distinction, Mr. Mayer,
21 that I -- that I draw may be the -- maybe there was some
22 either pessimistic or more -- more realistic estimates
23 from the -- the line, but in terms of the IFF, the figure
24 that actually was translated was less. And I want to go
25 -- be -- be more accurate, Mr. Mayer. In IFF-09 and IFF-

1 10, there was only 2.2 billion built in as opposed -- so
2 -- so very optimistic estimates in -- in terms of that.

3 The last point is, although those were
4 optimistic estimates, they weren't affecting the test
5 years, they were going farther out in time. So I hope
6 I've satisfactorily -- factorily answered your question.

7 In terms of this -- this section, Hydro's
8 performance as compared to the expectations at the time
9 of its rate application. I very briefly just want to
10 draw the -- the Board's attention to the final
11 recommendations section with the tabs, the -- the other -
12 - the big document with the other tabs, and to Tab 2
13 specifically. So it's Tab 2 to the -- the other very
14 hefty document, and it should be the number 2, and it
15 should be a overview of recent financial forecast.

16 Does the Board have that? I'm seeing
17 heads nodding. Mr. Vice-Chair and Mr. Chair, I don't
18 mean to go through all the pages of this document, but I
19 wanted the Board to be aware that it's -- that it's
20 there. And what it essentially does at page 2 is start
21 with the -- the Manitoba Hydro's initial expectations,
22 init -- of its initial application. Excuse me, I
23 apologize to the court reporter.

24 What it does at page 2 is go through
25 Manitoba Hydro's initial application. And then it tests

1 those results against a number of new -- subsequent
2 pieces of information that came on the record. At page 4
3 they look at the actual results for 2009/'10, and there's
4 a sta -- Table 2 at page 5 does so. At pages 6 and 7 it
5 takes one through the initial IFF-10 as compared to IFF-
6 09. And page 8, it notes the sub -- substantial
7 improvement in Hydro's position relative to that.

8 At page 9, Tab -- Table 4 performs a more
9 limited exercise with the limited results from the third
10 quarter of 2010/'11. And then at pages 10 and 11 some
11 brief commentary is provided about three (3) additional
12 documents: one (1) being Manitoba Hydro's submission
13 regarding its interim rates, another being the PUB's
14 decision, and, finally, the updated Bipole -- updated
15 IFF-10-2 on page 11.

16 And so I won't drag you through that
17 except for to -- to note a couple of highlights at page
18 7, which is Table 3. This -- this is a useful -- so this
19 is Table 3 at page 7 in the top right corner of this
20 attachment, and just drawing your attention to the net
21 income line. And you'll see Table 3 net income, seventy
22 (70), which in IFF-09 was estimated to be seventy-eight
23 (78), and in IFF-10 was estimated to be eighty-seven
24 (87). And if you'd just go over a couple of columns
25 you'll see the -- the analogous estimates for 2010/'11

1 and 2011/'12 in IFF-10, and certainly a big difference
2 from 149 million versus 78 million, and 125 million
3 versus 87 million.

4 A last couple of points just in terms of
5 this document. At page 11 in the comment section at the
6 middle of the page our clients note that even after a 2
7 percent interim rate increase as opposed to a two point
8 nine (2.9), the anticipated net income for 2011/'12 will
9 be about 112 million, which is higher than was originally
10 forecast for 2011/'12 in IFF-09. And also that retained
11 earnings will be higher as well, even -- even with a
12 lower interim rate increase than sought by Manitoba
13 Hydro.

14 The -- the last point on page 11 my
15 clients wish to point out -- and actually Ms. Southall
16 did a better job of it than I did in -- in her comments
17 this morning -- but certainly when we look farther out in
18 terms of the implications of the revised estimate and the
19 impacts of Bipole 3, certainly by 2019/2020 there is some
20 deterioration in the debt-to-equity ratio related to the
21 original forecast. She went into greater detail but
22 that's a point that, in fairness, our clients felt it was
23 important to bring to the Board's attention.

24 Mr. Chairman, I propose to -- I can either
25 finish this section which I think would take about

1 twelve/fifteen (12/15) minutes or I could take a break
2 now. I'm -- I'm at the discretion of the Board.

3 THE CHAIRPERSON: Why don't you finish
4 this section.

5

6 CONTINUED BY MR. BYRON WILLIAMS:

7 MR. BYRON WILLIAMS: Recognizing that the
8 clock is now ticking, really -- at pages 24 and 25 we try
9 and respond some -- you know, the -- let me back up. In
10 Attachment 2, we tried to summarize how circumstances
11 have changed or to lay out how circumstances have
12 changed. On these two (2) pages we try and summarize
13 some of the potential implications for the rate hearing.

14 When we get to the fourth bullet on page
15 24 there's some important information for the short term,
16 for the test years. Collectively, the new information
17 suggests that the results in terms of overall retained
18 earnings and debt ratio for 2011/'12 will be better than
19 originally forecast. 2009/'10 actual results exceeded
20 the forecast used in the GRA.

21 The current outlooks both in IFF-10 and
22 10-2 in -- for 2011 -- 2010/'11 and 2011/'12 in terms of
23 net income and year-end retained earnings and debt ratio
24 are both better than foreseen in IFF-09. And the most
25 recent actual results for the first nine (9) months of

1 2010/'11 suggest that the financial results will be
2 better than forecast in IFF-09.

3 So what conclusions do we draw from that
4 focussing on the short term? The current outlook for the
5 test period does not support the need for rate increases
6 in either 2010/'11 or 2011/'12 greater than those already
7 approved on an interim basis.

8 And at the second-last bullet we make the
9 -- we -- we -- we make the analytical leap and we asserm
10 -- we assume that if one were to view Manitoba Hydro's
11 original proposal as an acknowledgement that the year-end
12 '11/'12 financial forecast set out in IFF-09 was
13 reasonable, one could argue that the interim increases
14 approved for these years could be rolled back and still
15 yield results at least as favourable as those originally
16 expected.

17 And we go on to say on the last bullet on
18 this page that even if one were to totally eliminate the
19 2 percent interim increase, a first-order approximation
20 would suggest a \$42 million reduction in net income for
21 2011/'12 and retained earnings for the end of the period.
22 This would yield retained earnings of two (2) hun -- 2
23 billion 437 million. Still in excess of the retained
24 earnings forecast in IFF-09 of -- of twenty (20) -- 2.396
25 billion.

1 We note, and certainly we draw this from
2 the Board's reasonings in the interim order, that the
3 real pressure for increasing rates in 2010/'11 and
4 2011/'12 is with regard to the financial outlook betw --
5 beyond 2011/'12 an assert -- an uncertainty associated
6 with that outlook.

7 And certainly the Board is more familiar
8 with its words than we are but when we look at those
9 risks and concerns noted by the PUB, we observe they're
10 related primarily to uncertainty regarding the export
11 market in terms of prices and firm contracts as well as
12 the timing and cost of future capital spending for major
13 projects including Bipole 3, Conawapa, and Keeyask.

14 And, ultimately, at the end of the day,
15 whether those export prices will support the costs of new
16 generation projects.

17 And I really at times hate to agree with
18 Manitoba Hydro on -- on a number of issues but it is --
19 our clients acknowledge the Board's concerns and -- and
20 indeed share a number of them. And there -- but they
21 also note that the IFFs presented by Hydro reflect a
22 proposed development that is predicated on the assumption
23 that major generation can be pre-built in advance of
24 domestic need to the benefit of domestic ratepayers.

25 Clearly, the PUB's concerns about whether

1 these benefits will materialize, or whether future export
2 prices and the actual costs of projects will be such that
3 these benefits will not materialize -- and, again, Board
4 counsel's opening statement spoke to that. And our
5 clients agree and concur that the Board is right to be
6 concerned that Manitoba Hydro's proposed development plan
7 is yet untested.

8 However, there is a process to test this
9 plan and the regulatory process, including necessary
10 environmental proceedings, cannot ultimately proceed
11 unless the benefits can be clearly demonstrated and
12 substantiated in the needs for and justification review.

13 The Wuskwatim hearing, Mr. Chairman and
14 Mr. Vice-Chair, was a thorough hearing, not -- in
15 hindsight, we've learned a ton. And certainly, from the
16 consumer perspective, we expect to be considerably more
17 assertive in testing the Corporation's capital cost
18 projections, their export revenue forecasts. But the
19 point we -- we wish to make on -- on this page is that we
20 understand the Board's concerns and it's -- it's
21 certainly, as reflected in the interim order, of the need
22 to reflect and to protect both the Corporation and
23 ratepayers from events unfolding, not as Hydro
24 anticipated but as others might anticipate, but that
25 there is a process in place to -- to test the merits of

1 Hydro's case and -- and if it can't be made out, to stop
2 at least some of these expenditures.

3 MR. ROBERT MAYER: Mr. Williams, what is
4 the process you suggest is set in place?

5 MR. BYRON WILLIAMS: By that, Mr.
6 Chairman, or Mr. Vice-Chair, I mean that under the
7 legislation, there needs to be a -- certainly in terms of
8 -- a major review.

9 MR. ROBERT MAYER: Which legislation, Mr.
10 Williams?

11 MR. BYRON WILLIAMS: Not this
12 legislation, Mr. Vice -- Vice-Chair, but you -- the
13 environment --

14 MR. ROBERT MAYER: Okay. Mr. -- Mr.
15 Williams, yes, I understand that a review is required
16 under the Clean Environment Act. And -- and the last
17 time we dealt with the issue of a dam, the needs for and
18 alternatives to, quote, "the justification for the
19 project were somehow combined." Both the Chair and I
20 note with interest that despite the public announcement
21 of the building of Keeyask, we have yet to understand or
22 be advised as to what if any process will be put forward
23 to deal with the needs for and alternatives to. Do you
24 have any information we don't?

25 MR. BYRON WILLIAMS: No, but Mr. -- Mr.

1 Vice-Chair, I don't think that that -- if you wish me to
2 speculate, there's -- there's three (3) options: one (1)
3 is a -- a PUB-led need for and alternatives analysis; one
4 (1) is a CEC need for and alternatives analysis; and one
5 (1) is a joint, such as in Wuskwatim. Perhaps there's
6 others. If I were betting -- a -- a betting person, I
7 wouldn't bet a lot, but my -- my guess might be a CEC-led
8 proceeding.

9 And if -- Mr. Vice-Chair, I'm not sure
10 that I -- I have your point. But if your point is that
11 there will be a review but that the PUB may not be
12 involved, certainly my clients acknowledge that. And I
13 think their preference would be for a PUB involvement.
14 But that doesn't mean that CEC-led process would be
15 necessarily any less rigorous or insightful.

16 MR. ROBERT MAYER: Thank you, Mr.
17 Williams.

18 MR. BYRON WILLIAMS: Mr. Chairman, I see
19 you reaching for your...

20 THE CHAIRPERSON: No.

21

22 CONTINUED BY MR. BYRON WILLIAMS:

23 MR. BYRON WILLIAMS: One (1) of the --
24 and I -- I think I still have five (5) minutes, so I mi -
25 - I might try and go on to a related issue which also

1 might provoke some intervention. Starting on the -- the
2 next page, which hopefully is page 26. It's not
3 numbered. It's co -- it's titled "Intergenerational
4 Equity." And -- and these comments are -- are related,
5 Mr. Chairman and Mr. Vice-Chair. And we -- we've seen
6 the words "intergenerational equity" used quite a lot in
7 -- in the context of major capital projects in this
8 hearing.

9 And at the bullet second from the top we -
10 - we note the evidence of Mr. Warden from the transcript,
11 page 8,041, where he was responding to some comments by
12 MI -- MIPUG. And I'm not sure we've actually fairly
13 presented them here, but this is what -- what Mr. -- Mr.
14 Warden interpreted them to be.

15 Some suggestion that current ratepayers
16 were pre-funding Keeyask and Conawapa by stating that all
17 costs incurred were capitalized and only included in
18 rates once the fac -- facility's concern came into
19 service, and, as a result, there was no pre-funding and
20 no intergenerational issue.

21 And you -- at a theoretical level the
22 Board would have heard some evidence from Mr. Matwichuk
23 as well on intergenerational equity, making the point
24 that when one is dealing with major capital projects, Mr.
25 Ma -- Matwichuk's argument was that those per -- tho --

1 the costs should be set against those persons who were
2 expected to benefit from -- from the project. So, to
3 that degree, there is agreement between one (1) of the
4 CAC/MSOS witnesses, Mr. Matwichuk, and Mr. Warden.

5 We want to go on though, Mr. Vice-Chair
6 and Mr. Chair, under the comment section to note as well
7 though that there are implications for ratepayers today
8 of these major expenditures. \$25 million a month I
9 believe is the evidence noted by the Board counsel. And
10 certainly our clients concur that the costs are
11 capitalized and attract interest during construction, and
12 they believe that that is an appropriate approach. But
13 they note as well that these costs for construction in
14 progress do affect Manitoba Hydro's balance sheet and its
15 debt-equity ratio.

16 And if -- if the assets are funded through
17 debt the effect will be to increase the debt ratio. And
18 given Hydro and the PUB's use of the debt ratio as a
19 measure of financial soundness, this puts pressure on
20 current rates to the -- at least to the degree that
21 current rates are increased so as to maintain the debt
22 ratio.

23 And certainly, again, our clients agree
24 with Mr. Warden that there's no direct pre-funding of
25 such projects and that that is appropriate, but that the

1 existence of such projects, they acknowledge, does create
2 pressure for rate increases in the short-term. And
3 certainly if Hydro -- the PUB respond to such pressures
4 in terms of the debt equity, then such projects are
5 indeed affecting current rates even before they come in
6 service.

7 And the concern from our client's
8 perspective is that current customers' rates are being
9 affected and influenced by facilities that they're not
10 using. In Order 40/11 the Board stated that the current
11 ratepayers are, in a sense, engaged in plans that involve
12 risk, with the costs of those risks deferred to other
13 generations, certainly speaking to Keeyask, Conawapa and
14 Bipole.

15 And, again, I perhaps made that point
16 earlier in terms of Mr. Matwichuk's evidence, but from
17 our clients' perspective these costs are part of the
18 planning process that is required in order to ensure that
19 supply is available to meet future demand. Future
20 generations rightfully expect that such planning will
21 occur, and in the case of Hydro, given our approach to
22 export markets, this planning also includes consideration
23 of facility advancement or construction for exports where
24 it can benefit future generations in terms of lower
25 rates. And, again, from our clients' perspective it is

1 reasonable for future customers to expect current
2 customers to pursue opportunities that will reduce future
3 rates.

4 If the PUB's concern is that the amount of
5 money being spent and where it is being spent on the --
6 on the right areas of -- and where -- and whether it's
7 being spent in the right areas, these are definitely
8 legitimate concerns from our clients' perspective.

9 The challenge of course is our -- is the
10 Board's jurisdiction. These are not areas where the
11 Board can direct Manitoba Hydro as Hydro's capital
12 planning is not subject to review and approval by the
13 PUB. And some of these concerns will not be addressed in
14 the upcoming needs for review. They're concerned with
15 the money being spent to get to the needs to rev -- needs
16 for review stage.

17 The real issue is therefore the
18 outstanding concern of the PUB and others that is
19 precluded from reviewing Manitoba Hydro's capital
20 programs, including that part of the program that deals
21 with the funding for studies regarding the need for
22 future capital projects.

23 Mr. Chairman, just -- and Mr. Vice-Chair,
24 just a last note, and -- and in the Board orders --
25 Interim Order 40/11, the Board says it is concerned with

1 meeting --

2 "The Board is concerned with meeting
3 the need for intergenerational equity
4 with MH taking risks on behalf of
5 current ratepayers that could
6 contribute to higher rates in
7 comparison with inflation rather than
8 lower rates for future generations."

9 And if my clients parse that statement
10 they fully acknowledge that there is a risk that these
11 expenditures could contribute to higher rates rather than
12 lower rates for future generations. They acknowledge
13 that.

14 Where they differ with the Board is they
15 do not accept from their perspective that those risks are
16 being taken on behalf of today's ratepayers. From my
17 clients' perspective they're being taken on behalf of
18 future generations. And that's the -- a long-winded way
19 to -- to -- to respond to that -- that point.

20 THE CHAIRPERSON: Okay. We'll take our
21 break now. We'll come back at 1:15. Thank you.

22

23 --- Upon recessing at 12:16 p.m.

24 --- Upon resuming at 1:21 p.m.

25

1 THE CHAIRPERSON: Okay, folks. We should
2 return to our task. Mr. Williams, we'll -- you had a
3 good lunch and you're all renewed and invigorated and all
4 that.

5 MR. BYRON WILLIAMS: That -- that may be
6 asking a bit much, Mr. Chairman, but thank you for your
7 kind thoughts. I should have noted this morning, in
8 terms of the three (3) documents that were distributed on
9 behalf of CAC/MSOS, we would suggest that the additional
10 materials be -- be CAC/MSOS-36, that the written outline
11 of argument be CAC/MSOS-37, and that the final
12 recommendations be CAC/MSOS-38.

13 THE CHAIRPERSON: So be it.

14

15 --- EXHIBIT NO. CAC/MSOS-36: Additional materials

16

17 --- EXHIBIT NO. CAC/MSOS-37: Written outline of
18 argument

19

20 --- EXHIBIT NO. CAC/MSOS-38: Final recommendations

21

22 CONTINUED BY MR. BYRON WILLIAMS:

23 MR. BYRON WILLIAMS: I may have had some
24 -- some assistance in designating the -- the numbers, Mr.
25 Vice-Chair. For the -- the Board's guidance, I -- we

1 should be on or about page 28 of the written outline.
2 And also in the additional materials, being CAC/MSOS-36,
3 you might want to have -- flip over the cover page and
4 there should be a -- a table, "Bank of Canada
5 Benchmarks," with one (1) person having a colour version.

6 And -- and before turning to the text of
7 page 28, it's perhaps useful to take a -- a look at this
8 chart, which was a -- originally it was -- National Bank
9 did an analysis, I believe, from April '05 to May '09,
10 and then Mr. McCormick took it out a few more years. And
11 -- and I'm sure my friend Mr. Schulz, who was a patient
12 and thoughtful witness, would like to take it back to the
13 height of 1982 or so, long -- you know, at a different
14 time for the Bank of Canada.

15 So the -- the only point at this point in
16 time in -- in addressing your attention to this chart is,
17 it makes the point, my clients think quite eloquently,
18 that at -- at certain points in time, it depen -- it --
19 it makes a great deal of difference whether built into
20 your forecasts for new debt are short-term interest
21 rates, which are -- in the May '09 year, you can see well
22 below 1 percent, or ten (10) year interest rates, which
23 are, for those with the non-colour version, the grey
24 line, and you can see the gap between -- between those
25 two (2) in, for example, May of '09, and -- and certainly

1 long -- long, i.e., thirty (30) years, which is the --
2 the upper line in the May '09 time frame.

3 And I focus on that time frame because
4 obviously the information presented by Mr. Cor --
5 McCormick makes the point that as we headed into the
6 2010/'11 General Rate Application there was a significant
7 gap between short-term rates and -- and other rates.

8 And moving now to -- to the text itself,
9 again I -- I quote Mr. McCormick characterizing Hydro's
10 forecast as represented in IFF-09 as upwardly biased and
11 regretfully a bit of a revenue grab and saying to us all
12 that -- that he believed we can do better. And at the
13 heart of his initial argument, this is set out under the
14 heading, "Systemic Overestimation of Financing Costs."
15 And this is what was found in IFF-09, the concept that
16 all new debt was forecast to be long-term debt.

17 Now, Mr. Schulz and -- put some precision
18 on what is meant by that at page 515 of the transcript.
19 The debt streams were forecast to be thirty (30) years
20 and the interest rate applied was a ten (10) year plus,
21 which is the average arithmetically of the calculation of
22 tens and thirties.

23 And both Mr. Rainkie and Mr. Schulz were
24 candid in confirming that this was a long-standing
25 practice of the Corporation. They didn't say it went

1 back as far as Mr. Warden, but it did -- it did date --
2 predate their positions, at least in the middle of the --
3 this past decade.

4 And why this far -- policy was of concern
5 to Mr. McCormick, of course it's the -- in terms of
6 forecasting the costs of new debt, was it's the basis on
7 which the application was made, but also because the
8 practice of treating all new debt as, for short-hand
9 purposes, long-term debt, wasn't reflective of Manitoba
10 Hydro's borrowing practices or borrowing policies.

11 And the fact is that during -- certainly
12 in two (2) -- IFF-09/IFF-10 their target range in terms
13 of floating debt was 15 to 25 percent and their upper
14 limit was 30 percent. So forecasting new debt based only
15 on the assumption that was fixed and/or long-term debt,
16 in Mr. McCormick's view, materially overremp --
17 represented interest costs.

18 And he, at the bottom of page 28, noted
19 that in his original estimate he estimated an impact of 5
20 million of savings in the first year and -- and somewhat
21 of an additional amount in the second. But he went on in
22 his oral evidence to confirm that based on current and
23 prevailing interest rates that it would be -- would be
24 higher.

25 Now, the top of page 29 we cite the fact,

1 and we give Manitoba Hydro credit for this, that on a
2 going-forward basis they appear to have adjusted their
3 policies so that in IFF-10 they will build in a component
4 of -- or they did build in a component of fifteen (15) --
5 excuse me, 20 percent floating and 80 percent fixed. And
6 I believe both Mr. Schulz and Mr. Rainkie described that
7 as an enhancement, so we congratulate Mr. McCormick for
8 the concept and also Hydro for adopting it.

9 But there's -- there are three (3) points
10 that we -- we wish to make still on this -- this issue
11 though. The first of is -- is that while IFF-10 was
12 corrected, the application, the rate application was
13 based upon IFF-09 and those inflated financing costs are
14 still built into it.

15 The second, which goes towards the bottom
16 of page 29, is that Mr. McCormick argues that still built
17 within the forecast cost of new debt is an additional
18 bias. And there's -- actually, there's a better slide
19 that says this, I think, slide 11, which I'll come to in
20 a few moments.

21 But Mr. McCormick made the point that
22 assuming that all long-term debt will be the average of
23 ten (10) -- ten (10) and thirty (30) years fails to
24 recognize that there are -- that there are debt issues
25 that are for a lower po -- period of time and generally a

1 lower interest rate. And he also made the point that it
2 did not take into account short-term notes in his -- or
3 that in -- in his view did not sufficiently take them in
4 such that it was upwardly biased. And certainly Mr.
5 McCormick argued for the - in -- on a rate-setting basis
6 that the ratio of floating to fixed should be 27 percent
7 to 33.

8 The last point be -- before I leave page
9 29 is actually towards the top of it. You see reference
10 to an asymmetric forecasting advantage. And both Mr.
11 McCormick and Mr. Matwichuk in our clients' submission
12 have made a compelling argument that -- that there are
13 benefits to Manitoba Hydro from underfore --
14 overforecasting expenses, excuse me, and underforecasting
15 revenues. And Mr. McCormick has a pithy statement in the
16 middle of page 29 on that point.

17 Turning to page 30. Again, following up
18 on Mr. McCormick's evidence. Apart from the composition
19 of the projected cost of new debt between floating and
20 fixed, the other point he wished to make was that as
21 compared to either IFF-09, especially as compared to IFF-
22 09, interest costs for the 2010/'11 and 2011/'12 year are
23 ma -- excuse me, let me try that again. When we look
24 today at what actual interest rates are in the
25 marketplace and what they are projected to be for the

1 remainder of the '11/'12 year they are materially lower
2 than what was set out in IFF-09. So Mr. McCormick's
3 point is it's not just the composition between floating
4 and fixed which buy us the results, it's now that the
5 forecasts from IFF-09 have been overtaken by reality and
6 the reality is sharply lower interest rates.

7 And at the bottom of page 30 we highlight
8 the gap between what Hydro forecast in 2009 for short-
9 term rates, being 3.8 percent, and the forecasts in the
10 current rate for 2011/'12 which is set out in McCormick
11 slide 45, 1.5 percent. Over 200 basis points. And even
12 on long term while the gap is not as dramatic, there is a
13 -- still a gap in that the most recent information shows
14 that forecasts were averaging about 3.6 percent as
15 opposed to the 3.95. So Mr. McCormick's advice to the
16 Board is look at the composition but also let's not be
17 stuck with dated forecasts when we have the one (1)
18 benefit perhaps of a longer hearing, which is we have
19 current -- current interest rates and also more up-to-
20 date forecasts of interest rates.

21 And at the top of page 31 we present Mr.
22 McCormick's conclusion that updated rates are indicative
23 of significant excess interest costs being forecast in
24 the revenue requirement.

25 In pages -- the next couple of pages that

1 are set out, pages 31 and 32, our clients move from the
2 actual numbers to some advice to Manitoba Hydro and the
3 Board for future rate setting. And Mr. McCormick
4 expresses the concern in his written and oral evidence
5 that the criteria for which Manitoba Hydro selects its
6 forecasters for interest costs -- well, he's not sure
7 what the criteria is, and he -- he's not confident that
8 they are being selected on the basis of merit. And
9 further, he suggests that they should be selected on the
10 basis of merit.

11 And he has a cute quote on page 31 about -
12 - about going -- Manitoba Hydro going shopping for
13 forecasts.
14 Forecasters pick BMO, pick Scotia and the feds, but they
15 didn't really look at the ingredients and they didn't
16 make that important choice in terms of -- at least with
17 any publicly expressed criteria in terms of which were
18 the better forecasters.

19 And Mr. McCormick says, and it's advice
20 that we would offer to the Board, is that I'd like to get
21 the guy with the best track record on my si -- side as
22 opposed to worrying about a cacophony, C-A-C-O-P-H-O-N-Y,
23 of voices.

24 On this point we note that there are
25 similar commentaries and supportive commentaries by

1 Professors Kubursi and Magee in terms of economic
2 forecasters. They suggest that, again, Hydro should be
3 establishing accuracy criteria for forecasters and
4 selecting based upon it.

5 And on page 32 I -- I again put in again
6 the advice of Mr. McCormick at the top of the page and
7 the advice in a slightly different context and perhaps
8 not as assertively as Mr. McCormick but to the same
9 effect of Professors Kubursi and Magee.

10 And on this point our -- our clients have
11 one (1) additional point on this page that -- that they
12 make. And -- and if you look at the thrust of McCormick
13 and Kubursi and Magee's evidence, it's that not all
14 forecasters are created equal, that it is a good practice
15 going forward to have express criteria upon which to
16 evaluate these forecasters, and -- and that indeed some
17 forecasters may or may not deserve additional weight.

18 And we were looking at the bottom of page
19 32 for any other support for that. And, to some degree,
20 Mr. Surminski, in terms of his export forecasts, does
21 take a similar approach, perhaps the criteria not as
22 express as my clients would like. But Mr. Surminski
23 offered evidence at pages 5,225 and 5,228 of the
24 transcript about -- on the export forecast side -- this
25 is at the bottom of page 32 if persons are looking, on

1 portfolio over the last number of years
2 Hydro has missed or lost many
3 opportunities to provide consumers with
4 lower interest costs without unduly
5 increasing the risk of their
6 performance. They have never been
7 anywhere near the top range in a whole
8 range of financial markets."

9 He argues that their 15 to 25 percent tar
10 -- per -- target range is a bit of a fiction because they
11 really, even in these illustrative years between --
12 illustrative years in the -- in the record, haven't gone
13 really between 16.6 and 21.8 percent.

14 And he -- he says and he begs the
15 question, if you look at this table that is provided at
16 the first page of the additional materials, if -- if this
17 table does not provide an occasion when one might expect
18 Hydro to move towards the top of its target range, when
19 would that occasion arise? May '09 is a perfect
20 illustrative example, but even within the test-year
21 period, there's ample evidence to support some lost
22 opportunities, certainly within the test-year period.

23 At page 34 of the outline Mr. McCormick
24 makes the argument that you could have had a -- a double
25 win, if this policy would have been applied on a more

1 consistent pace -- basis from June 2001 moving forward.
2 And we think he makes a -- a compelling case.

3 At page 35 -- at page 35 of the outline,
4 Mr. McCormick goes on and suggests that the fear of being
5 near the top range, top end of the range, is overstated,
6 because there are mitigation tools available. And he
7 provides some interesting sites from EMERA, E-M-E-R-A, in
8 terms of how they cap their exposure to 80 -- 86 percent
9 of their floating rate debt. There's -- as he notes --
10 that's page 7,782 to the transcript -- there's a small
11 insurance premium, but -- but there is protection put in
12 place. And he goes on, as I -- what I'm hoping will
13 prove a clever segue to my discussion of the National
14 Bank report, to say:

15 "Regrettably, there is no discussion of
16 caps on floating rate debt in the NBF
17 report."

18 I'm going to come to N -- NBF in just a
19 couple of pages, but at page 36, we highlight another
20 concern expressed by Mr. McCormick in his oral evidence.
21 I'll just wait a second for -- we -- we go on page 36 to
22 another concern expressed by Mr. McCormick. And he notes
23 that he has not seen a debt concentration policy for
24 Hydro. Now, there may be one on the record, we don't
25 have perfect mastery of the record, but there is not one

1 on the record, to our knowledge.

2 And he points out a year of concern. And
3 I'll have to check the cite. I see I've got written 2019
4 here; it might indeed be 2018. But in one (1) of these
5 particular years, being either 2018 or 2019, there's over
6 a billion dollar of debt, 13 percent of total debt,
7 either maturing or interest rate obligation maturing.
8 And he notes that, in terms of some of the information
9 that again he puts on the slides of his evidence, that in
10 -- there's a total of around \$4 billion maturing in the
11 six (6) highest years. And by six (6) highest years, I
12 mean years in which there's the highest amount of debt
13 maturing. And as Mr. McCormick says, "that's half the
14 game."

15 And so he again expresses the concern that
16 there should have been a discussion on caps in the NBF
17 report, as well as a discussion on risk related to
18 maturities.

19 So an important element of risk that was
20 perhaps not as fully discussed as we might have liked in
21 this proceeding.

22 At page 37 through 39, our clients offer
23 their comments about the National Bank report. And like
24 their comments on Kubursi and Magee, our clients think
25 that the National Bank report is an important report,

1 albeit with significant flaws. We'll start first, and
2 maybe it's the nature of the adversarial process, with
3 some of its limitations.

4 In our clients' view, important elements
5 of its terms of retainer were not completed, perhaps the
6 most important being: Define an optimal relative
7 weighting of fixed versus floating debts in different
8 yield environments: flat, steep, and inverted.

9 And it's Mr. McCormick's view that this
10 was not done. And certainly, hopefully, as the preceding
11 discussion made evident, this would have been an
12 important addition to the insight offered by National
13 Bank. The evidence suggests that Manitoba Hydro may be
14 artificially restricting its range in terms of floating
15 versus fixed debt, and even in yield environments which
16 might suggest a more aggressive move into floating debt.
17 And additional consideration -- completion of the terms
18 of retainer, in terms of optimal yield in different yield
19 environments might have been a tremendous insight that
20 NBF could have offered. They did talk a bit about market
21 timing but they did not do, in our clients' view, what
22 they were asked to do.

23 A smaller point, although it's certainly
24 perturbed Mr. McCormick, was that there wasn't a
25 comparative reporting of peers that -- that in effect of

1 their policies it was not done properly. And frankly he
2 has devastating evidence on this set out in slides 28
3 through 30 of his oral outline, and so I shall not dwell
4 upon it.

5 McCormick also points out that important
6 elements of the -- of the report were flawed. And
7 there's the infamous Table 14, one (1) of nine (9) values
8 being right in terms of floating rate percentages, and
9 two (2) of nine (9) in terms of total debt. And again,
10 the slides almost speak for themselves, so I will not
11 dwell on them.

12 A more methodological concern and -- and -
13 - and in this area we would contrast NBF, National Bank,
14 with Kubursi and Ma -- Magee -- this is at the bottom of
15 page 37 -- is there's relatively little insight pro --
16 provided by NBF in terms of the detailed modelling,
17 whether that's probability distributions, ranges. And we
18 saw how valuable, even though it was open to a lot of
19 criticism, that was with Professor Kubursi and Magee,
20 providing important insight in to the methodology, which,
21 like Kubursi and Magee involved Monte Carlo simulations.
22 So that's a weakness of the NBF report.

23 And one (1) final one. And again you may
24 wish to refer to the chart, the additional materials that
25 was provided. The period of analysis for the National

1 Bank was only about four (4) years. It doesn't mean that
2 the insight isn't valuable, but the four (4) years that
3 were selected were an interesting four (4) years. And if
4 you refer to the -- the table, which is the first page,
5 additional materials from the record, you can get some
6 insight into why those were such interesting years.

7 And you can see that for approximately
8 seventeen (17) of the forty-eight (48), forty-nine (49)
9 months in question, short-term rates and long-term rates
10 were either in a relatively flat or inverted yield curve
11 environment, which happens to be of the -- of the whole
12 decade, that's also the period in which they were in that
13 -- in that sort of situation.

14 So that does raise the question, valuable
15 as the NBF report is, whether the particular sample
16 period might have -- might have benefited from analyzing
17 a longer period.

18 Now in fairness to NBF, we assume that the
19 reason for their starting point of April, 2005 was that
20 would approximate the opening of the MISO mar --
21 marketplace to -- to -- to a more open access
22 marketplace. And certainly that -- that may -- may
23 indeed be the rationale. And if so, we understand the
24 rationale for doing so. But it does raise the question
25 if whether at some later date, when there's a bit more

1 data available, in terms of the MISO marketplace, whether
2 this examination, in terms of optimal yield, might be
3 revisited.

4 So those are the criticisms of NBF set out
5 at page 38. But there are some really important insights
6 that come from this. And at the bo -- bottom of page 38
7 we note that NB -- NBF identifies a relatively strong,
8 positive correlation between MISO spot market prices and
9 short-term interest rates. And the conclusion they draw,
10 and certainly my clients are supportive of that
11 conclusion, is that this provides insight into the
12 utility of using floating rates is a partial hedge
13 against fluctuations in the MISO market. And Mr. Schulz
14 well described this in his evidence.

15 They were able to statistically determine
16 there was a correlation between short-term interest rates
17 and MISO pricing from the 2005 to 2009 period such that
18 they, in effect, acted as a hedge. And he went on to
19 take this -- there's a significance to this conclusion.
20 To an outsider, to a non-expert, such as myself, one
21 might assume that if one judge risk in terms of income
22 statement variance, then a hundred percent fixed rate
23 would be the risk free the -- or the lowest risk
24 situation.

25 But what Mr. Schulz pointed out was that

1 if risk -- and this is at the bottom of page 38, is risk
2 is measured in volatility in net income, a hundred
3 percent fixed rate portfolio and a 27 percent floating 73
4 percent fixed rate portfolio have essentially the same
5 risk characteristics. And this is an important insight
6 from the NBF report.

7 At the top of page 39, NBF offers some
8 insight, we suggest, into the use of quantitative risk
9 analysis, and -- and, to some degrees, a more considered
10 approach to correlation, one might argue, than Professors
11 Kubursi and Magee. And they also note, and this is
12 important in weighing the evidence of Professor Kubursi
13 and Magee, is that there does not ex -- they do -- would
14 not expect there to be a correlation between hydrology
15 and mi -- macroeconomic risk factors, such as interest
16 rates. And certainly I'll come to that point a bit
17 later.

18 I think the most -- on behalf of our
19 clients, we would submit that the most important conver -
20 - conclusion of NBF, although they don't put it in these
21 words, is that there is no free money. Certainly -- and
22 they don't state this expressively -- expressly, but the
23 calculations and the conclusions that they relate -- they
24 -- they present in our client's view make the point that
25 excessive reliance on the certainty of long-term fixed

1 debt comes at a material cost in terms of lost
2 opportunity for lower debt cost.

3 And they -- recognising that they have a
4 limited dat -- data set, they do conclude that the
5 unoptimal -- optimal portfolio for Manitoba Hydro should
6 be broader, 14 to 27 percent. And, at the very least,
7 moving up those two (2) percentage points raises further
8 question in our clients' mind about why Hydro appears to
9 be artificially restricting its floating rate component
10 to 22 percent. If those conditions were in play --
11 concerns were in play within the Hydro target range when
12 NBF is saying you can do better at relatively similar
13 risk at 27 percent, those concerns are even -- are only
14 reinforced.

15 Mr. McCormick sums it up aptly. Each one
16 of these points, i.e., a floating versus fixed, is worth
17 millions of dollars of consumer interest savings. Right
18 now, the short-term/long-term spread is over 3 percent.
19 So if you start doing math on 800 million, say 5 percent
20 times 3 percent, you're coming up with some fairly nice
21 numbers.

22 And our clients certainly regret the fact
23 that National Bank was not presented as witnesses. We --
24 we think, especially given that Kubursi and Magee were
25 here doing Monte Carlo simulations, the evidence of

1 another witness with some insight into that approach
2 would have been extremely valuable.

3 Turning to page 41 of the outline.

4

5 (BRIEF PAUSE)

6

7 MR. BYRON WILLIAMS: Our clients want to
8 move from what Mr. McCormick has presented, to their
9 conclusions, and we've set them out on this page. We do
10 comment Mr. McCormick for suggesting and Hydro for ada --
11 adopting the improvements to the forecast of new debt,
12 being 20 percent floating, 80 percent fixed. We think
13 that should be brought in -- into play, or even a more
14 aggressive number, for the purpose -- purposes of this
15 General Rate Application.

16 The second bullet is an important one.
17 For the purposes of the revenue requirement, the current
18 one an -- a going forward basis, our clients would
19 suggest that the for -- for forecasting for revenue
20 setting, that forecast of new debt should be re-done
21 based on three (3) -- three (3) criteria. The first is
22 Hydro's policy in terms of floating and fixed debt. I
23 omitted the word "policy" in the outline. The second is
24 their actual practice in terms of floating and fixed
25 debt. And the third, which at times, our clients would

1 submit, may contrast with Hydro's approach is a
2 reasonable practice of a prudent and reasonable utility
3 seeking to achieve appropriate returns at an acceptable
4 level of risk.

5 And hopefully the pane has grasped our
6 client's argument that -- that, from time to time over
7 the past period, Hydro has foregone opportunity and
8 incurred excessive costs.

9 So our clients' advice to the Board is to
10 commend Hydro for a good start in IFF-10, but to pre --
11 prefer, for rate setting purposes, a floating rate, not
12 at 20 percent, but towards the higher end of the NBF
13 range, being 25 to 27 percent. And we've put our
14 rationale there.

15 Our clients also strongly recommend at the
16 bottom of this page an -- the interest deferral mechanism
17 proposed by Mr. McCormick. And they would suggest that
18 Hydro should be advised that to the extent that there are
19 -- that the extent of any corporate recoveries from this
20 mechanism will be contingent on a determora --
21 termination that it has been manage -- magi -- managing
22 its financial cost prudently.

23 Mr. Chairman, if you can just excuse me
24 for one (1) second.

25

1 (BRIEF PAUSE)

2

3 MR. BYRON WILLIAMS: I apologise for the
4 delay. Somewhere buried in this outline is a better
5 explanation of the interest deferral mechanism. But I'll
6 -- I'll go off memory and just briefly surpri -- su --
7 summarize a couple of my clients' points in this regard.

8 Mr. McCormick ad -- advised that an
9 interest deferral me -- mechanism was important because
10 it -- it took away, on a -- on a forecasting basis, the
11 motivation for the Corporation to overstate its interest
12 costs. And -- and our clients wholeheartedly agree with
13 that. There's no motivation to overstate your costs if
14 you know that you're going to have to correct them
15 subsequently.

16 The other reason my clients like an
17 interest deferral mechanism, is for the reasons set out
18 at the bottom of page 41. Certainly if -- if the
19 mechanism itself worked in such a way that for the
20 Corporation in -- in circumstances where it wished to
21 withdraw from that mechanism because its interest costs
22 were higher than forecast, if -- if it were included in
23 the mechanism, an evaluation of whether it had been
24 managing its costs in a -- its financing costs prudently,
25 that would be, in some ways, the best of -- of both

1 worlds; taking away the motivation to over forecast
2 costs, but also allowing some review in terms of the
3 mechanism of the prudence of those costs.

4 Turning to page 42. I don't mean to -- to
5 dwell on this page except for to note that Mr. McCormick
6 has made the point, on a number of occasions, that --
7 that there are things that might be better documented in
8 terms of Manitoba Hydro's policies. For example, a
9 recognition by its board or an expressed documentation of
10 the target floating rate component, as well as the upper
11 limit. We're told that that document exists somewhere;
12 it was passed in the old history of the Corporation.
13 We're not sure where it is. Debt maturity limits as well
14 is another example, and that is the simple point that we
15 make on page 42.

16 If the -- the panel -- I'm turning to page
17 43, where we enter the evidence of Mr. Matwichuk as it
18 leads to a rate stabilization mechanism. But one (1)
19 thing that I would ask the Board to -- while they're
20 doing so, in the additional materials from the record,
21 the second graph in, the second -- so it's in the
22 additional materials from the record, the second graph in
23 is titled "Manitoba Hydro Export Revenue Variances." And
24 this is a -- a slide from Mr. Matwichuk's writ --
25 prefiled evidence, as well as his oral evidence outline.

1 And the Vice-Chair asked the question what
2 this figure represented, or what this graph represented.
3 And it is the variance between actual and forecast for
4 the particular years, with the -- the forecast being the
5 forecast for rate-setting purposes. And a central
6 argument in term -- in -- by Mr. Matwichuk, in terms of
7 his rate stabilization mechanism, flows from this graph.
8 And -- and the material variances from forecast, in terms
9 of export revenues, again we -- we have the drought year
10 at the -- the bottom end, and also we have numerous years
11 in which the -- there was a positive variance in terms of
12 actuals from forecast.

13 And one (1) caution on this graph. There
14 seem to -- this is export revenues, it doesn't in --
15 include variances in import costs, but it -- but it is an
16 important graph in our evidence. And the point that Mr.
17 Matwichuk wanted to make, before I leave this graph, is
18 forecasted export revenues are built into our cost of
19 service model, but the variations from forecast aren't,
20 and -- not expressly. And he pointed to the moral
21 hazard, an asymmetric advantage to Manitoba Hydro in
22 terms of under-forecasting export revenues.

23 And if one thinks of the rate
24 stabilization mechanism, the big picture, and I will come
25 back to that, but in Mr. Matwichuk's views, it would have

1 three (3) important values: 1) would be transparency,
2 bringing those variances from forecasts back into the
3 rate; 2) would be in terms of smoothing events, both
4 positive and adverse; and 3) would be reducing the risk
5 of moral hazard.

6 At the bottom of page 43, Mr. Matwichuk --
7 I've put -- inserted a -- a quote from Mr. Matwichuk
8 about that graph in revenue variances I've shown to you.
9 And he states that he is not aware of another regulated
10 entity where actuals vary so significantly and
11 continually from forecast, and there is simper (sic)
12 reliance on costs of service without the use of another
13 tool.

14 At page 44, and -- and My Friend, Ms.
15 Southall, presented similar information this morning, at
16 the top of page 44, we note the quote from the National
17 Bank, that the primary source of net income variability
18 is hydrology risk. And Mr. Matwichuk notes very
19 significant revenue variances, in terms of export
20 revenues as compared to forecast, as high as 48 percent
21 of forecast, and on average 22 percent. And in the
22 middle of page 44, he notes that export revenues have
23 been under forecast by \$441 million in the period between
24 2001 and 2009.

25 At page -- I'm gonna skip on, Mr.

1 Chairman, and I'm -- I'm trying to be thorough but also
2 there are points with which I think the Boards (sic) will
3 fairly comfortable with.

4 At page 45 we see references to asymmetry
5 of risk. And again, I've spoken of this briefly, but in
6 his ev -- oral evidence Mr. Matwichuk made the point that
7 we can be relatively confident that Hydro will go back to
8 ratepayers in the down years. And the drought of 2004
9 was an example where Hydro came back and -- and indeed
10 the Board also in its wisdom saw fit to -- to increase
11 the revenue -- the rate increase for a variety of
12 reasons.

13 We can't be as confident that Hydro when
14 it has a positive forecast will go back to the regulator.
15 And if it doesn't that money may go to a good place. It
16 -- it may indeed go to a place where we'd like it to be,
17 but it may not. It may go -- it may be going to
18 excessive OM&A expenditures, it may go to imprudent
19 capital expenditures, we do not know. And that is the
20 asymmetry of risk in terms of export revenue forecasts of
21 which Mr. Matwichuk speaks.

22 He makes an important point at the bottom
23 of page 45 in terms of transparency and transparency both
24 in -- in terms of capturing the upside of risk, positive
25 variances from forecast, and the downside. And he

1 certainly sees the RSM as a powerful vehicle in that way.

2 At the top of page 36 -- 46, excuse me, we
3 set out considerations in terms of determining whether a
4 rate stabilization mechanism may be required. And again,
5 Mr. Matwichuk a few pages ago noted that in his twenty-
6 seven (27) years of experience, the absence of an RSM in
7 this circumstance is an outlier. And he points to good
8 guidance to the Board in when one might -- it -- may wish
9 to employ such a mechanism. He sets his own test out at
10 the -- at the top of page 46 and then he sets out the
11 National Energy Board criteria. If there's absence of
12 control in the results -- and certainly goodness knows
13 hydrology is something we cannot control -- an inability
14 to reasonably forecast -- and again there are material
15 challenges in terms of the forecasting of hydrology and
16 also materiality. And certainly we hope that we have
17 made the point of the importance of export revenues to
18 the bottom line and the importance of this -- and
19 significance of the variance.

20 Mr. Matwichuk argues that retained
21 earnings are not a sufficient or appropriate vehicle to
22 deal with significant variances between forecast and
23 actual. And certainly he's got his accounting hat on
24 with the interesting accounting of the history behind
25 setting retained earnings, making the point that retained

1 earnings are not a cash bal -- balance, and in the case
2 of Hydro, supported by capital investment and
3 infrastructure, or capitalization, of course, of -- of
4 expenditures relating to projects that are not yet in
5 service. He underlines the fact that it is not
6 accessible liquidity.

7 Mr. Chairman and Mr. Vice-Chair, the
8 Board, Mr. Matwichuk went through a very detailed
9 explanation, or he started to, of his mechanism. The
10 Board quite properly interrupted him and said we -- we
11 have a good handle on it so I'm not going to go into a
12 lot of detail. In terms of his mechanism I put some
13 important references at the bottom of page 46, on where
14 it appears in the transcript and in his outline of
15 written -- written oral evidence. That's -- of oral
16 evidence, excuse me.

17 There is one (1) point that I -- I do want
18 to make in terms of Mr. Matwichuk's evidence, though, and
19 not because we fear that the Board may have not grasped
20 it, because we're confident they did, but because some of
21 the other parties in the room, including Hydro and -- and
22 My Friends from MIPUG, may not have -- have grasped it as
23 well as the Board.

24 And in terms of page 47, we put out an
25 answer from Mr. Matwichuk in the upper third of the page

1 in terms of how he defined net export revenues. And he
2 makes the point that my definition of net export
3 revenues, ultimately to be used for this mechanism, does
4 include the netting of power purchases, and that was
5 expressed in his written evidence and also in his direct
6 evidence before cross-examination.

7 And -- and just for the Board in terms of
8 the additional materials, they may wish to move two (2)
9 pages further along. There should be a graph called,
10 "Illustrative example." This is in the additional
11 materials, the little Exhibit 36, "Illustrative example."

12 And -- and what this is, this illustrative
13 example, is -- it was set out in Mr. Matwichuk's evidence
14 between slide 67 and 69, but it also appeared in an IR
15 response, and what it did was respond to a question of
16 the Public Utilities Board in terms of show us how it
17 would work looking at the variances in export revenues in
18 -- in the particular time period set out.

19 And this is an accurate response to the --
20 to the inquiry of the Public Utilities Board. But it --
21 it's important to remember that the initial question was
22 on export revenue variances. It didn't include imported
23 power.

24 And so variations in terms of the cost of
25 service definition of export revenues in terms of

1 imported power would not be reflected in this graph, and
2 that's what Mr. Matwichuk attempted to convey at pages
3 7,670 and 71 of its evidence.

4 My simple point is this, Mr. Chairman.
5 Both counsel for MIPUG and counsel for Manitoba Hydro
6 appeared to point to the 2005 year in terms of the export
7 revenue -- or the -- the mechanism and say, Well, look,
8 the year after the drought people are still getting a
9 positive -- they're still getting -- their bill is not --
10 their bill is still a bit less because of this RSM.

11 And our -- our clients' response to that
12 is twofold; certainly in the example it is. If one threw
13 in imported power, that result would be a little bit
14 different, and, also, it'd be little bit different -- a
15 little bit lower in terms of the zero line.

16 The second point, though, is that this is
17 exactly what a rate stabilization mechanism should be
18 doing, is that it should be muting the effect of adverse
19 events. It should be taking them into account in a
20 transparent manner. But it also -- it's there, and it's
21 an important element of the tool. It is there as, really
22 ,the one (1) smoothing mechanism for adverse variances
23 related to hydrology that's before the panel in this
24 Hearing, and that's why our clients feel very strongly
25 about this mechanism.

1 And, Mr. Chairman and Vice-Chairman, I
2 know it's a complicated point, so please stop me if -- if
3 I'm -- if I'm losing you. I'll put that down to my
4 explanation, and not otherwise.

5 At page 48, again, we highlight in the
6 middle of the page on behalf of our clients and Mr.
7 Matwichuk what they believe should be the effect of a
8 rate stabilization mechanism; more transparency and
9 really reflected on the actual bill, as Mr. -- Mr.
10 Matwichuk suggested, the consequences of positive
11 variances from forecast related to export revenues, and
12 also negative.

13 And we think that's good for consumers to
14 have that indication of how their bill is being reflected
15 by variances in the export market as compared to
16 forecast. That is important.

17 Secondly, the utility of rate smoothing
18 and, third, reduction of moral hazard.

19 The Vice-Chair, as well as My Friend Mr.
20 Hacault and perhaps My Friend Ms. Boyd, asked some really
21 good questions of Mr. Matwichuk in terms of how do you
22 implement this? And we've sent out a bit of a discussion
23 at page 49 of -- of this -- of this outline. And the
24 panel might also want to turn to the -- the tabbed
25 recommendation binder or handout that's Exhibit 38 of

1 CAC/MSOS, and specifically to Tab 8, or Attachment 8.
2 That's Attachment 8 to the recommendations.

3

4

(BRIEF PAUSE)

5

6 MR. BYRON WILLIAMS: And there was -- the
7 panel will recall certainly some discussion from My
8 Friend Mr. Hacault quite rightly asking Mr. Matwichuk,
9 How does this work? How does this work if we don't have
10 a test year? Do we take in -- do we consider the
11 untested IFF in terms of determining the mechanism? How
12 does that work? And the Vice-Chair popped in with some
13 questions as -- as well.

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And what we've tried to do in this -- in
this handout is reflect that discussion, and I'm not sure
I can do it justice in the -- the time I'm allotting
myself, but essentially saying that there are three (3)
possible approaches to -- to implementing the RSM. And
one (1) is to only employ it in -- in the years following
a test year, based upon the IFFs presented in the test
year. That's the top one, that's 'A'. Secondly is to --
the one in the middle is to -- to only update the
variance in test years, but take in -- into account and
amortize the year-over-year variance, which is the one in
the middle. And the third is operating the variance on

1 an annual basis, certainly it's relatively easy in test
2 years, and either using a written process or otherwise to
3 take it into account in non-test years.

4 There are pros and cons to each of these
5 approaches, and certainly we present them to the Board
6 for its consideration. Our clients' bias is probably num
7 -- or letter 'C', the one at the bottom. That will
8 provide the most up-to-date variances. The limitation or
9 concern we would express to it would -- would be that it
10 would not -- we wouldn't have the benefit of testing all
11 the IFFs. So that's a bit of a discre -- discussion. I
12 hope it facilitates the Board's consideration on this
13 point.

14 Mr. Chairman, I'm making good progress.
15 I'm happy to keep going for another topic or two (2) and
16 -- and if -- if that's the -- the will of the Board, I
17 will move you to page 50, if you would, of the outline.

18

19 (BRIEF PAUSE)

20

21 MR. BYRON WILLIAMS: At page 50, our
22 clients seek to address the reasonableness and prudence
23 of the Corporation's expenditures, including OM&A. And
24 we suggest at page 50 that there are, in the course of
25 this hearing, perhaps four (4) variations or perspectives

1 that have emerged. The witnesses from MIPUG, Mr. Bowman
2 and Mr. McLaren, do, in our clients' submission, a -- a
3 really useful job comparing OM&A and normal spending
4 since IFF-07 versus the spending in IFF-09 and '10. And
5 certainly they identify a disturbing upward trend, and
6 they suggest that it is increasing from earlier forecasts
7 and requires additional controls from Hydro and the
8 regulator.

9 And I put to Mr. Bowman: What does a --
10 additional controls mean? And certainly you'll hear from
11 Mr. Hacault on this point, but he did say that if there
12 is a level of discomfort with ongoing cost escalation,
13 sending a message through the revenue requirement would
14 be entirely consistent with our evidence. And we'll get
15 to Mr. Brennan in a moment, but he also said that one (1)
16 of the issues is finding a way in the short term to
17 support Mr. Brennan in his efforts to impose cost control
18 and to get people to pay attention to that. So that's
19 the MIPUG perspective, and -- and certainly a thoughtful
20 one which can commend to the Board's consideration.

21 Perhaps less eloquently, CAC/MSOS took the
22 Hydro panel through a serie -- series of exhibits which
23 are found in CAC/MSOS Exhibit 14. The ones of particular
24 interest to my clients were tabs 8 and 9 as amended very
25 modestly by Mr. Rainkie, 10 and 11. Those are tabs 8, 9,

1 10 and 11, which were Tables 2 through 6. I hope I've
2 got those right. I'll check that upon the conclusion of
3 my argument.

4 And these exhibits looked at OM&A
5 expenditures per customer as set out in IFF-09 and IFF-10
6 as compared to inflation, both before and after revisions
7 for CICA accounting rules, and we commend those to the
8 Board's view, but certainly, in our clients' submission,
9 they suggest that the OM&A per customer is growing
10 significantly faster than inflation pre-CICA accounting
11 rules, and still somewhat faster than inflation after the
12 employment of CICA accounting rules. And certainly our
13 clients, prior to Mr. Brennan's memos, were -- that --
14 that certainly was their -- their view of the case.

15 Mr. Rainkie and the Hydro rebuttal set out
16 at pages 50 and 51, we would suggest, had a -- a
17 different perspective, essentially suggesting -- and
18 these are -- this is not a quote, but certainly our
19 interpretation of his evidence, that, to the extent that
20 there were OM&A increases in excess of inflation, if one
21 recognizes accounting changes, they were really not a
22 matter of substantive concern and certainly not any
23 indication that expenditure control was not prudent and
24 reasonable.

25 And certainly this is a matter of

1 the past five (5) years travel expenses have increased,
2 and he sets out the rate, 6.6 percent per year. More
3 critically, and highlighted by our clients in their -- by
4 our clients, excuse me, by Board counsel in her opening
5 comments, wages, salaries, and benefits account for close
6 to 75 percent of Manitoba Hydro's total operating
7 expense.

8 Over the past five (5) years this
9 component of operating expense increased at an average
10 rate of 5 percent per year, including a 6.2 percent
11 increase over the past year. Equivalent full-time
12 employees, EFTs, peaked at an all-time high of six six
13 two zero (6,620) during 2009/'10. And, of course, the
14 Board has spoken of this as well in its interim order.

15 And then the last reference is to overtime
16 costs. At least this is our understanding. Overtime
17 costs have grown at a very significant average rate of
18 8.3 percent per year over the past five (5) years. In
19 '09/'10 they exceeded \$50 million, an increase of 9.6
20 percent over the past year.

21 Now, again, it is a matter of
22 interpretation, but our -- in our clients' view, the
23 perspective of Manitoba Hydro's panel and Mr. Rainkie
24 would appear to be at odds with the perspective of Mr.
25 Brennan as well as the MIPUG witnesses, and certainly our

1 clients' perspective.

2 If we are correct in suggesting that
3 Hydro's panel is indicating there's no problems with
4 increases in excess of inflation given accounting
5 changes, aging assets, and the vacancies that existed,
6 then -- then it is our interpretation that Mr. Brennan
7 disagrees.

8 And we note specifically that in Exhibit
9 124 Mr. Brennan cites the aging of assets. He was aware
10 of this and certainly, in our submission, still saying
11 that this is an unacceptable level of increase. And
12 surely he was aware of the vacancy interest.

13 He's still expressing concerns at the
14 annual increase -- increases being experienced in OM&A.
15 And, from our clients' perspective, and I have to say
16 that this certainly makes Mr. Harper happy, based upon
17 his years on this issue, this is a critical internal
18 acknowledgement tha -- of a problem that has not been
19 properly externally acknowledged in the GRA proceeding.
20 And, in our client's view, it undermines Hydro's
21 argument, that their ongoing expenditure controls and
22 their historic, being the '08/'09, '09/'10, and '10/'11
23 years, are prudent and reasonable.

24 We also note, referring to Exhibit 124,
25 that these are gross values prior to any capitalization

1 accounting adjustment, or at least that's our
2 understanding. We also note -- and to his credit, Mr.
3 Brennan has suggested some mitigation measures, but they,
4 in our clients' view, in our -- their respectful view,
5 are really short-term measures that cannot be relied upon
6 to restrain OM&A in -- over the long-term.

7 And so certainly -- and we will -- we will
8 come to this point, Mr. Chairman and Mr. Vice-Chairman,
9 in our recommendations, but we are -- certainly think
10 that this is a critical piece of new evidence not
11 available to the Board at the time of the interim
12 applications that suggest that the 2 percent interim rate
13 in place should be somewhat reduced.

14 And we've put some recommendations here at
15 page 52 in terms of how, for the purposes of next GRA,
16 the Board may want to ask Manitoba Hydro to report back
17 and ask it to demonstrate action and commitment in this
18 area.

19 And, also, the second-last bullet on page
20 52 relating really to capital rationalization is an
21 explanation of how this is being implemented. And,
22 again, reiterating the point that we think that this rate
23 order for '11 and '12, in our clients' view, should be
24 sending a message to Hydro to listen to Mr. Brennan on a
25 long-term basis and -- and that this Board will not at

1 this point in time allow Hydro to pass through the full
2 cost of its inefficiencies.

3 (BRIEF PAUSE)

4
5 MR. ROBERT MAYER: Just -- Mr. Williams,
6 I don't know how long the other side is gonna -- Mr.
7 Brennan presumably could have implemented, successfully
8 implemented, the recommendation he talked about. If I
9 recall correctly one (1) was to somehow limit out of
10 province travel and the other was to consider the
11 freezing of executive salaries.

12 We don't -- we're not sure that either of
13 them actually happened. In fact, we're pretty sure the
14 second one didn't despite the fact that there was some
15 kind of indication from the province that civil servants
16 would have at least some sort of restrictions placed on
17 any salary increases. What's your point, Mr. -- Mr.
18 Williams?

19 Mr. Brennan could have implemented those -
20 - those issues. You're not setting up the panel against
21 Mr. Brennan or Mr. Brennan against the panel, clearly he
22 had the authority to do that. What's the point?

23 MR. BYRON WILLIAMS: I think I have three
24 (3) points, Mr. Chairman and -- or Mr. Vice-Chair. And
25 if -- I -- I thought I had made them but let me try

1 again.

2 Point 1 is that as compared to external
3 evidence suggesting challenges in cost control, there is
4 vital internal evidence suggesting that there are
5 material challenges in cost control, staff growth, et
6 cetera, overtime, those are material. And that's a
7 critical internal acknowledgement of what Intervenors
8 have been saying for some time, sir.

9 Secondly, Mr. Vice-Chair, in terms of Mr.
10 -- frankly, you know, it might have been a token message
11 by Mr. -- Mr. Brennan to restrict -- restrict management
12 salaries. That's -- the point we were trying to make in
13 terms of his recommendations were, in our view, those
14 aren't deep-seated systemic mechanisms to bring those
15 expenditures under control. Those are ones that may
16 temporarily relieve the strain, but the ongoing pressures
17 that he identified will not be corrected by any of those
18 recommendations.

19 And certainly Mr. Vice-Chair, we will come
20 to capital asset prioritization, which is a critical tool
21 of expenditure control. And we will al -- my -- so that
22 was intended as a setup to some of those areas.

23 Third, Mr. Vice-Chair, the Board -- I
24 guess the point -- my point is that I don't care about --
25 excuse me. I don't care or nor -- nor do our clients

1 about Hydro's management fighting with Mr. Brennan except
2 for to the point that it's -- our argument is that his
3 opinion is inconsistent with their evidence in this
4 hearing.

5 What we do care about, though, Mr. Vice-
6 Chair, is that this Board have the tools to send a
7 message to Manitoba Hydro in terms of efficiencies, it
8 has that tool in the revenue requirement.

9 Is that helpful, sir?

10 MR. ROBERT MAYER: I -- I think we had
11 the point about we have the tools quite some time ago. I
12 was just wondering where -- why we were going back to the
13 others.

14

15 CONTINUED BY MR. BYRON WILLIAMS:

16 MR. BYRON WILLIAMS: Well, we think this
17 is a pretty critical point, Mr. -- Mr. Vice-Chair, and
18 it's supportive of what both CMMG (sic) and our clients
19 have been saying for -- for some time. Hold it, CMMG --
20 sorry, I'm in the wrong proceeding, that would be MIPUG.

21 Mr. Chairman and Vice-Chairman, one (1) --
22 one (1) more subject before we get to the break perhaps,
23 to capital program justification. And I'm going to speak
24 about Bipole 3 to a considerable degree in this next
25 section.

1 No one disputes in this hearing the
2 capital intensive nature of this Utility, whether we look
3 at depreciation costs or financing costs or whether we're
4 looking longer term to deferred capitaliza -- capitalized
5 expenses. Capital spending is a major driver of Hydro's
6 revenue requirement. And certainly we note from the
7 interim order as well as Order 18/10 concern relating to
8 the accuracy of capital cost estimates used for major
9 projects, including the big four (4): Bipole 3,
10 Wuskwatim, Keeyask, and Conawapa. And again, we'll try
11 not to trespass on helpful evidence or helpful -- a
12 helpful summation put on the record by Board counsel this
13 morning.

14 Our clients' particular concern in the
15 context of this discussion is the Bipole 3 experience,
16 and also the lessons the regulatory process can take from
17 the Bipole 3 experience. And at pages 53 and 54, my
18 clients outline a number of concerns about the Bipole 3
19 budget. Some of these are -- are process, some of these
20 are accuracy. Starting with who signed off on the
21 capital project justifications numbers 4 and 5, and it
22 appears that Bipole 3 was an -- this -- this is at the
23 middle of page 53 -- Bipole 3 was an exception in that it
24 was signed off by the Board, whereas they are typically
25 signed off by the executive.

1 was unprecedented."

2 And we also understand his evidence to be
3 that senior management were aware of the rough numbers at
4 least by September '09.

5 And at the top of page 54, and here the
6 word "limbo" we are not trying to attribute to Mr. Ward -
7 - Warden, and we want to be clear of that. But let's
8 take September 2009. This unprecedented number presented
9 to senior management, what happened with -- with that
10 number? Our clients frankly don't understand. They
11 don't understand what happened to it. We know it was not
12 sent out to external consultants for more than a year.
13 We know that, by September of 2009, there was this
14 materially larger estimate, almost a doubling, presented
15 by the larger business -- responsible business units, yet
16 there was no revised forecast relating to Bipole 3
17 included in IFF-09 or even in IFF-10.

18 In essence, what our clients consider to
19 be the discredited \$2.2 billion figure remained in effect
20 until March or April 2011. And that is gravely
21 concerning for our clients and -- because it goes to the
22 forecasting of the Board.

23 MR. ROBERT MAYER: Mr. Williams, in case
24 you missed our reaction to the documents as they were
25 presented, we have your point on that issue.

1 CONTINUED BY MR. BYRON WILLIAMS:

2 MR. BYRON WILLIAMS: And, Mr. -- Mr.
3 Vice-Chair, I know you have our point. My clients
4 believe strongly -- and I'm not trying to be redundant,
5 but my clients believe strongly that -- that these things
6 that -- need to be said.

7 We also -- and we thank Board counsel for
8 this point, even the revised CPJ of \$3.2 billion, there's
9 still a substantial uncertainty around it. And this is
10 the middle of page 54 towards the bottom third, a) that
11 there is a reduced contingency of fi -- as well as a
12 different technology.

13 And, as we understand the evidence of
14 Hydro, the revised estimate of 3.2 billion depends
15 critically on whether or not the condensed -- the source
16 condenser will work in this particular circumstance.

17 The other interesting piece of information
18 that came to the attention of our clients in the CPJs
19 related to Bipole 3, for the first time in the \$3.9
20 billion figure of September 2009, was this concept of
21 management reserve. And certainly our clients -- and we
22 do thank Mr. Warden for talking to BC and trying to let -
23 - enrich our understanding of it, but there -- we all
24 have a bit to learn about what management reserve means,
25 and it's something, our clients would submit, we need to

1 keep our eyes on on a going-forward basis.

2 So those are our clients' -- and, Mr.
3 Vice-Chair, I won't belabour the point on that in terms
4 of the things that are causing concern for our clients,
5 but at page 55 we offer some suggestions to the Board in
6 terms of what might be done.

7 First of all, we have to start with what
8 the Board can't do, which -- which is it doesn't have
9 jurisdiction to review and approve Hydro's capital plans.
10 And certainly our clients believe that's unfortunate, but
11 that is what it is.

12 But certainly, as Board counsel indicated
13 this morning again, capital spending clearly influences
14 the revenue requirement, and uncertainty regarding the
15 level of capital spending influences the Board's
16 assessment of risk and the rate increases that may be
17 required to offset this risk.

18 From our clients' perspective, on a going-
19 forward basis, it is critical that the Board have up-to-
20 date information regarding what Manitoba Hydro conti --
21 considers to be its future capital costs, and also to
22 have a full understanding as to the provisions for risk,
23 both contingencies and management reserve.

24 And we note that there are certain
25 informations Hydro already filed, the capital expenditure

1 forecast. But, to our understanding, there is limited
2 information in the capital expenditure forecast in terms
3 of the risks associated with a particular capital project
4 and any allowance that Hydro has incorporated into the
5 project's cost to address these risks, to -- at least to
6 the extent that we are looking for it.

7 However, this information is documented by
8 Hydro through its capital project justification framework
9 and can be found in the CPJs, or capital project
10 justifications, forms established for each project.

11 And so our clients' strong recommendation
12 for forecasting purposes is that in order to assist the
13 PUB in understanding the risks associated with Hydro's
14 planned capital projects and the extent to which these
15 risks are addressed in the capital cost estimates, it
16 would be useful for the PUB to require as part of the
17 initial filing of a
18 GRA the CPJ form for all major projects, which our
19 clients define as those with costs in excess of \$100
20 million.

21 Our clients found that type of
22 documentation tremendously insightful in this proceeding.
23 We recognize that there may be some confidentiality
24 issues that -- that need to be addressed, and certainly
25 Hydro will have comments on that, but what a tremendous

1 tool for really getting one's teeth into the estimates of
2 Bipole 3, the CPJ that eventually found its way onto the
3 record.

4 MR. ROBERT MAYER: That said, Mr.
5 Williams, if you accept the evidence of Mr. Cormie, and
6 I'm inclined to, that Bipole 3 is a -- is a requirement,
7 so you guys down here can be assured that you're going to
8 continue to get 75 percent of the hydro-electric generat
9 -- generation at least available to you. If you accept
10 that evidence and if you accept the fact that Bipole 3 is
11 required for reliability purposes, what do we do about
12 the capital costs?

13 MR. BYRON WILLIAMS: Well, the -- the
14 first thing, Mr. Chair -- Mr. Vice-Chair, and I don't
15 think you've heard our -- our clients in terms of -- let
16 me back up. In terms of your premise of Bipole 3, we --
17 we think the record of this hearing indicates that it's
18 needed for reliability purposes. Also, that it serves
19 another purpose in terms of bringing down power from some
20 of the proposed new developments. But we don't disagree
21 with you in terms of your operating premise.

22 The point my clients are trying to make is
23 that, if the Board is going to set rates, it's got to
24 rely on forecasts. If the Board is going to set rates,
25 it wants to look at the -- the short term, the test-year

1 pictures. It also wants to have a picture going out in
2 time in terms of what is the likely impact on -- on the
3 rate base of these major capital expenditures. And our
4 clients' point, Mr. Vice-Chair, is that, for rate
5 setting, the Board has to have more con -- has to have
6 more information, better information available than
7 currently is available to it.

8 And -- and our clients' concern is, Bipole
9 3, an extra billion dollars, if it's only an extra
10 billion dollars, that's 6 percent of, you know, the \$16
11 mil -- billion in capital estimates that were presented
12 in IFF-09 and IFF-10. And it's critical -- we -- we know
13 what the Board is taking into account. It should be able
14 to have confidence that these forecasts have taken into
15 account, excuse me, contingencies. The Board should know
16 if there's puff in the forecasts for management reserves,
17 and contingencies as well. There needs to be more
18 information on the record for rate-setting purposes.

19 And so, Mr. Vice-Chair, in terms of what
20 can you do about it, I'm going to go back to my case
21 theory. I guess you have two (2) choices. You can
22 increase rates out of a fear that they're -- they're
23 going to mismanage costs, or you can send a -- a
24 different message that they need -- through the revenue
25 requirement, lower rates or lower the interim rate a

1 little bit. Send the message, We don't like what you're
2 doing. And I'm not speaking of Bipole 3 and the costs
3 there specifically, but in terms of capital per se.

4 And if -- if I could ask -- I could go on
5 for one (1) more area, or I could --

6 THE CHAIRPERSON: Is the area in the same
7 --

8 MR. BYRON WILLIAMS: It -- it is.

9 THE CHAIRPERSON: -- or could it be
10 separated? Well, carry on, then.

11 MR. BYRON WILLIAMS: And it -- it's pages
12 56 through 58 of our outline, our clients' outline,
13 excuse me. And also in terms of the recommendations
14 document, which is Exhibit 38, there's Tab 7. It should
15 be Tab 7 of the recommendation called "Asset Management."

16 THE CHAIRPERSON: What's your preference?
17 You've been at it quite a long time.

18 MR. BYRON WILLIAMS: Mr. -- Mr. Chair, it
19 -- it kind of fits with the same subject and -- and --

20 THE CHAIRPERSON: Well, then, carry on.

21 MR. BYRON WILLIAMS: -- unless -- unless
22 the number of pages scare you, I think I can move through
23 it fairly quickly.

24 THE CHAIRPERSON: Mr. Williams, if you
25 had to require to go on until midnight, I'd be sitting

1 here, so fear not.

2

3 CONTINUED BY MR. BYRON WILLIAMS:

4 MR. BYRON WILLIAMS: My client would not
5 be. Just -- just in terms of Attachment 7, which is from
6 the recommendation, I just want to draw to the Board's
7 attention what we've tried to do in this attachment is
8 put together a history from the prior regulatory
9 proceedings in terms of the discussion of asset
10 management. And -- and so I'm not going to -- I'll have
11 some summary comments when I return to our outline, but I
12 just want the Board to be aware that what we've done is
13 summarized a number of the pertinent comments from prior
14 Board orders, including 116/08, 150/08 and at page 4
15 we've taken us to the current application and summarized
16 our understanding of the record -- from the current
17 record -- from -- from that.

18 And, finally, at page 6 we've gone back to
19 not a high-level discussion, but a conceptual discussion,
20 just a reminder of what asset condition assessments are
21 about. And I think that's a -- an important discussion
22 that I'd recommend for the Board to read. Certainly --

23 MR. ROBERT MAYER: Some of us already
24 have. We -- I actually got this faxed to me on Thursday,
25 I think.

1 CONTINUED BY MR. BYRON WILLIAMS:

2 MR. BYRON WILLIAMS: Well, that will make
3 at least two (2) of us, then, Mr. Vice-Chair.

4 In terms of returning to our outline at
5 page 56 we thought it would be -- again, we do have an
6 excerpt from Board Order 116/08, and the important
7 paragraph on page 56 of the outline is the third one.
8 Kind of really the genesis of this -- this asset
9 condition assessment study. And certainly it's a
10 suggestion of Mr. Harper:

11 "Despite -- despite prior cautions
12 from the Board, Manitoba Hydro intends
13 to spend on average 385 million a year
14 on capital construction through to and
15 including 2017/'18, capital
16 expenditures that are not related to
17 major generation and transmission
18 projects which are accounted for
19 separately. In an effort to better
20 justify and demonstrate the necessity
21 of such normal capital expenditures the
22 Board agrees with the Intervenors on
23 the need for peria -- periodic asset
24 condition assessment study."

25 So that's all very well and good and --

1 and very important and we thank the Board for that.

2 Turning to page 58 of the outline and
3 skipping right over page 57. Our clients point the Board
4 at the top of page 58 to the Boar -- to Hydro's response
5 to CAC/MSOS Information Request 17C. And because we
6 asked it to explain how it determines maintenance and
7 replacement requirements. And this response was very
8 telling from our client's perspe -- perspective because
9 the response deals with each functional area separately
10 and talks about the tools and processes used by each area
11 to determine its individual needs. And while there is a
12 discussion under each area of prioritization, there is no
13 real indication of how that prioritization is done. No
14 assurance that the same values and objectives are used by
15 each business unit.

16 And based on our reading of that response
17 we find it difficult to conclude that there is a process
18 for prioritizing projects across the various functions.
19 Again, we may be incorrect in that presumption or
20 conclusion but that was our reading in 2008, it remains
21 our concern today.

22 Directing your attention to the bottom of
23 page 58 under the heading "Issues and Recommendations."
24 It's important and contextually important to understand
25 that asset management plans are increasingly used by

1 regulators. And what our clients were looking for in
2 terms of turning the asset condition assessment into an
3 asset management plan is, within each functional area,
4 how projects will be prioritized, what criteria are used
5 for prioritization, and are the same criteria used in
6 each functional area. Finally, are there trade-offs made
7 between investments and different functional areas, and
8 if so how is this done and who is responsible for it.

9 Mr. Chairman and Mr. Vice-Chairman, I
10 don't have it right before you but in terms of a
11 recommendation in this specific area, what my clients
12 would be looking for would be two (2) things. One (1) is
13 a capital asset management report recommending best
14 regulatory practices and -- and best approach from
15 Manitoba Hydro to be filed in support of the next GRA.
16 And secondly -- and the Board will be aware -- so that's
17 one (1) thing we would be asking for.

18 Secondly, that presented to Manitoba Hydro
19 by way of a exhibit with an excerpt from the Keema
20 report, K-E-E-M-A, from the Ontario Energy Board, which
21 Hydro indicated it would take -- take into consideration
22 in developing its approach in this important area. And
23 our clients would request that Hydro also be directed in
24 support of its application, its next application, to file
25 the Keema report on best regulatory practices in terms of

1 capital asset management.

2 And Mr. Chairman and Mr. Vice-Chairman, we
3 believe that would be a appropriate point for a break if
4 we could.

5 THE CHAIRPERSON: Thank you, Mr.
6 Williams. So we'll have our regular break and be back in
7 fifteen (15) minutes. Thank you.

8

9 --- Upon recessing at 2:55 p.m.

10 --- Upon resuming at 3:17 p.m.

11

12 THE CHAIRPERSON: Okay, folks. Let's
13 continue. Go ahead, Mr. Williams.

14

15 CONTINUED BY MR. BYRON WILLIAMS:

16 MR. BYRON WILLIAMS: Yes, thank you, Mr.
17 Chair and Mr. Vice-Chair. One (1) of My Learned Friends
18 has -- has raised my attention that I -- I may have
19 inadvertently misstated Mr. McCormick's qualifications,
20 so I'm going to have ma -- Ms. McLellan check that out
21 and -- and if I have done so I will correct that, whether
22 by email correspondence or otherwise, but that's at page
23 9 of our outline. There may be a misstatement which is
24 inadvertent that I will correct.

25

1 (BRIEF PAUSE)

2

3 MR. BYRON WILLIAMS: At page -- and I do
4 thank the -- the per -- the -- My Learned Friend for
5 bringing that to my attention.

6 At page 59 of our outline, our clients'
7 outline, I begin to tread where -- into the target of re
8 -- the issue of retained earnings at least with some
9 trepidation. And, Mr. Chairman and Mr. Vice-Chair, what
10 I've tried to do on behalf of our clients at page 59 is
11 summarize what we understand to be the evidence of Mr.
12 Warden, the MIPUG witnesses, and also Mr. Matwichuk.

13 And -- and clearly Hydro has indicated on
14 a number of occasions that it -- that it supports a 75:25
15 debt-equity ratio. But our understanding of their
16 evidence is that they are prepared to relax that ratio in
17 the decade of investment. And, further, when I spoke --
18 and this conversation at transcript five sixty-eight
19 (568) and five sixty-nine (569) was in the context of the
20 Bipole -- Bipole capital variation in estimates or the --
21 the bigger number.

22 And I translate or present our
23 understanding of Mr. Warden, suggesting that there's
24 nothing wrong with letting the debt rate decline if we
25 have confidence in the returns of the next decade, which

1 may be the billion dollar question.

2 MIPUG is, at least as we understand their
3 evidence, and this is based upon our cross-examination of
4 their panel -- ex -- excuse me, I'm not sure it's our
5 cross-examination, but anyways, it is of their evidence.
6 There were -- and I'll -- two (2) points. The
7 requirement to meet a 75:25 debt-equity ratio actually by
8 the end of the long-term IFF period with all the massive
9 investments we're talking about actually exceeds the
10 estimates of the five (5) year drought by about a billion
11 dollars. And a next -- the next statement from the same
12 page.

13 So there's a little bit of discomfort that
14 those two (2) get a bit delinked as you go forward and it
15 underlines a caution we have had about using a 75:25
16 measure as the overriding factor.

17 And I -- I -- we note as well the -- the
18 comments of the MIPUG witnesses, that they consider a two
19 point nine (2.9) and two (2) to be perfect -- perfectly
20 reasonable even in -- in the face of uncertainty related
21 to the decade of investment.

22 Mr. Matwichuk, at least as we understand
23 his evidence, and certainly I should have put citations
24 here, so I apologize for that. Our interpretation of Mr.
25 Matwichuk is that he suggests that less reliance should

1 be placed on retained earnings for the purposes of rate
2 setting on a going-forward basis.

3 And as we look at his evidence, what he
4 tries to do is, Okay, well, let's look at the issue of
5 rate stability, which is important. Well, in his view,
6 there's a better tool in the rate stabilization
7 mechanism. In terms of access to capital, and he did
8 have a discussion with the Chairman on this point, from
9 Mr. Matwichuk's perspective, the dominant factor is the
10 provincial debt guarantee.

11 And he also points out, certainly in
12 response to information requests posed by the PUB, that
13 there have been substantial variances in Hydro's debt-
14 equity ratio with no apparent impact on the province's
15 credit rating. And certainly he notes the supportive
16 regulatory environment in the context of adverse events.
17 And, again, he pointed directly to the aftermath of the
18 '03/'04 drought, where the equity-to-capital ratio was
19 12:88 with no commensurate diminution of the province's
20 bond rating grade. And I think this was about the time
21 where the panel intervened in his evidence and asked,
22 Well, wasn't there a -- a rate increase from the -- the
23 regulator. And certainly there was.

24 The other point that Matwichuk makes is
25 that in terms of an indicator of financial health, there

1 have been major firms with really healthy retained
2 earnings that have been pushed into -- into bankruptcy
3 when their a -- operating capital is interrupted. And I
4 think he used the -- the American example of Enron and he
5 also used the Canadian example of the BC utility -- I --
6 I forget what its name is, P and G or something to --
7 that effect. So tha -- that seems to be the thrust of
8 Mr. Matwichuk's evidence.

9 And from our clients' perspective, looking
10 at this rate hearing, both at the short term and the long
11 term, they're tending to place less reliance on the da --
12 debt-equity ratio.

13 And in terms -- I guess analytically, in -
14 - in terms of how they -- our clients look at the issues
15 of access to capital, they point to the underlying
16 advantages of Manitoba Hydro in terms of its monopoly, in
17 terms of its supportive regulatory environment at the
18 times of drought, and also the provincial debt guarantee
19 fee. And just on those points, Mr. Chairman and Vice-
20 Chair, and I didn't sum -- put -- put references in from
21 the record but there's actually some interesting evidence
22 from Mr. Judah Rose of ICF at pages 3,052 three --
23 through 3,054 of hi -- of the transcript in terms of the
24 importance of the monopoly and that insured line of
25 domestic revenues when it comes to looking at access to

1 capital.

2 And Mr. Chen from the KPMG Panel --
3 certainly in our view at transcript page 3,557 made the
4 point that certainly when you look at a firm operating in
5 a competitive marketplace it is critical to have high
6 reserves, and certainly we recognize that. We would also
7 note that the key advantage of the monopoly environment
8 is that when adverse events take place customers will be
9 -- will be there for the monopoly.

10 And we point out in particular that this
11 regulator has been particularly supportive to this
12 Utility in the time of -- in the time of drought. And I
13 can't say my clients have always leapt for joy at the
14 rate increases that flowed from that, but our clients do
15 acknowledge that when you're -- that when looking at the
16 level of retained earnings, that a supportive regulatory
17 environment in adverse circumstances is critically
18 important.

19 And at page 4,819 of the transcript,
20 there's a reference to DBRS, Dominion Bond Rating
21 Services, commenting favourably on the PUB's demonstrated
22 record of approving rate increases in dou -- drought
23 conditions. And -- and if you back-trace that reference
24 you can see where it appears in the DBRS report.

25 The provincial debt guarantee fee

1 obviously is critically important in terms of our
2 clients' consideration of levels of retained earning.
3 And, again, they note a comment from Moody's and -- from
4 their February 7th, 2011 report which was placed on the
5 record by Hydro. I don't have the actual cite on me but
6 I believe it -- it can be found as a Hydro exhibit but
7 also in CAC/MSOS tabs -- Exhibit 14, Tab 6.

8 Moody's suggests when you're looking at
9 regulated utilities that Manitoba and BC are unique and
10 not readable -- readily comparable to other regulated
11 utilities. And I think that reference, I'm going off
12 memory from months ago, but I think it's at the top of
13 the second page of that report.

14 The other -- so certainly in -- from our
15 clients' perspective, this is a hearing in which they
16 place less weight on the debt-to-equity ratio and
17 certainly do not see it as a driver of any material rate
18 increases. They note that for the test years the debt-
19 equity ratio remains at 74:26 under IFF-10 and IFF-10
20 with Bipole. Now, there is the -- the issues raised by
21 the Board in terms of accumulated other comprehensive
22 income, as well as the significant amount of
23 depreciation. But from our clients' perspective, the
24 current accounting treatment in terms of equity and debt
25 presented by Hydro is -- is one which they choose to rely

1 upon.

2 Looking farther out, our clients agree
3 certainly directionally with MIPUG and Mr. Warden that in
4 times of major capital expenditures there is room to
5 relax in terms of equity-to-debt ratios. And they note
6 that by vi -- via a directive, that is what took place in
7 British Columbia, where they moved from 75:25 to 80:20.

8 Our clients -- in terms of ultimately what
9 the Board should be looking at in terms of for rate
10 setting purposes, our clients think that -- that
11 determination on that is -- is not a determination for
12 today. They think that we had a good discussion in this
13 hearing in terms of access to capital, that that
14 discussion could be enriched.

15 In terms of rate stability, they feel that
16 the discussion as well in terms of underly -- standing
17 the purpose of retained earnings or some other mechanism
18 has a way to go. And they also think that we might want
19 to look at this issue more carefully once we have a
20 better sense of which capital projects will be approved
21 or not. So that's where our clients are for the purposes
22 of this proceeding.

23 Turning to the outline, page 61, our
24 clients pose the question: Have the benefits of Hydro's
25 preferred capital benefit plan been established? And

1 it's important to -- to recall that Manitoba Hydro
2 brought this issue into play in this proceeding,
3 certainly in our client's perspective, in -- in tal -- in
4 -- in justifying the proposals in terms of rate
5 increases. They spoke a lot of the decade of investment
6 versus the decade of return and certainly argued that the
7 benefits of -- and set that up as an underlying context
8 to its rate hearing. And certainly it has asserted in
9 the context of this hearing the benefits of its preferred
10 plan outweigh its cost, and that it is preferable to the
11 alternative scenario.

12 Our clients -- hopefully that's not
13 raining in Souris as well. Excuse me. In talking about
14 the benefits of the pre -- preferred plan in the context
15 of this hearing my clients want to be very careful, they
16 are not prejudging the preferred plan of Manitoba Hydro
17 as compared to the alternative plan or to other
18 alternatives. They're counting on there being a need for
19 and alternative process, and they will keep their powder
20 dry in terms of an ultimate conclusion until that time.

21 But what they will address in the context
22 of this hearing is whether Hydro's made its case, has it
23 made its case in terms of the benefits of the preferred
24 plan, as -- as it's discussed from time to time. And,
25 certainly, from our clients' perspective Board counsel

1 set out the issues well in her opening comments this
2 morning and you can find additional insight in the
3 Board's interim order.

4 And our clients' also think that the
5 evidence of Mr. Rose in this hearing is particularly
6 compelling and that he highlights a number of material
7 significant changes in natural gas forecasts, CO2 adders,
8 coal retirements that result in the perspective of the
9 case in terms of the preferred plan being less bright
10 than they were in 2009.

11 One other comment that my clients would
12 make, certainly which appears at the bottom of page 61
13 and the top of page 62, much was made by KPMG of the
14 purported benefits of the preferred plan as compared to
15 the alternative plan of about a hundred and fifty (150) -
16 - I think I've -- I think I might have -- yeah, a \$150
17 million. But the point our clients would make, which is
18 set out on footnote 29, is -- is compare that to net
19 consumer revenues between the period of 20 -- 2009/'10
20 and 2019/'20 and that figure is -- is absolutely dwarfed.
21 So that submission is not a very persuasive submission
22 from our clients' perspective. And, certainly, in the
23 context of a need for and alternative, they would
24 certainly expect a lot more.

25 And our client --

1 THE CHAIRPERSON: Was that \$150 million
2 present value estimate made in the absence of knowledge
3 of the increased capital cost?

4

5 CONTINUED BY MR BYRON WILLIAMS:

6 MR. BYRON WILLIAMS: Yes, Mr. Chairman,
7 and we certainly heard Board counsel speak to that this
8 morning, but, I guess my clients' point went a -- went a
9 bit further. It's not that they -- even if the figure
10 was justifiable in terms of the analysis, one would have
11 to look at the additional risk associated with that plan,
12 and when it's taken in context of overall consumer
13 revenues that's not, to our clients' sense, a very
14 persuasive case to date.

15 Again, our clients also are of the view
16 that the benefits of the preferred plan, at the top of
17 page 62, have to be really looked at rigorously in light
18 of our experience with -- with Wuskwatim, both on the
19 capital side and in terms of export price forecast.

20 So here's where our clients in terms of
21 the benefits of the preferred plan, they note as well
22 that there's been new evidence since the interim rate
23 relating to contracts in the United States and they are
24 of the view that -- that that does remove some
25 uncertainty related to the merits of Hydro's preferred

1 plans.

2 In the second bullet on page 62, our
3 clients - - and again cautioning that this is for this
4 hearing only, suggests that on a balance of probabilities
5 based on the -- based on the evidence currently before
6 the Board, Hydro's assertions in terms of the benefits of
7 its preferred plan cannot be verified and, certainly,
8 from our clients' perspective should not be relied upon
9 for the purposes of the GRA.

10 As we stated previously, these can only be
11 properly tested in a -- needs for and alternative
12 proceeding. And, certainly, from our clients' perspective
13 - and we would welcome obiter comments from the Board on
14 this point - any such assessment of the preferred
15 alternative and any other alternatives must involve a
16 more complete disclosure of information than existed in
17 this proceeding. Certainly to the finder of fact that --
18 from our clients' perspective to -- to other parties as
19 well.

20 Our clients also have another comment both
21 about the preferred plan and the alternative plan and --
22 and that relates to energy efficiency and our lack of
23 confidence that the current energy efficiency programming
24 of Manitoba Hydro is maximizing these opportunities. And
25 my clients simply note that -- that the preferred plan

1 and the alternative plan might look somewhat different or
2 perhaps materially different in the context of a more
3 assertive energy efficiency program.

4 I'm going to turn on behalf of our clients
5 to the issue of risk quantification. And in the
6 additional materials from the record, which is, I
7 believe, CAC/MSOS-36. If one goes in a few pages in,
8 about six (6) pages in there should be the response of
9 Professors Kubursi and Magee to CAC/MSOS-35. It's a one
10 (1) -- Mr. -- Mr. Vice-Chair, it's the additional
11 materials from the record, the -- the small, little
12 document.

13 And this is a small point but we -- we
14 thought it might be of interest to the Board in -- when
15 it looks to the future and its concerns about global
16 warming and the impact, if any, and -- of global warming
17 upon hydrology.

18 And the Board will be aware that the
19 methodology pres -- pursued by Professors Kubursi and
20 Magee in terms of their -- in terms of their assessments
21 of hydrology was a third order auto regressive [AR
22 model], a fairly -- and certainly our clients have some
23 favourable comments about that approach.

24 But what -- the -- the question that our
25 clients posed to Kubursi and Magee in this Information

1 Request is whether a more sophisticated model working off
2 of the acronym -- acronym ARIMA, A-R-I-M-A, might be
3 better able to capture changes in -- in different periods
4 of time, structural breaks that could not be captured by
5 a simp -- a single auto-regressive process.

6 And the point that my clients are -- are
7 simply trying to make, Mr. Chairman and Mr. Vice-Chair,
8 is that certainly Professors Kubursi and Magee in chapter
9 4 of their evidence presented some really interesting and
10 insightful element analysis of hydrology in terms of
11 using their preferred methodology, a third order auto-
12 regressive mo -- model.

13 Looking outward to the future, there may
14 be other more sophisticated models that certainly Hydro
15 may wish to consider as -- as it looks at these issues,
16 and that's the simple point. And I've included these two
17 (2) references, CAC/MSOS KM-35, and on the next page, 34,
18 because they try and capture a little bit of the -- the
19 tradeoff between the two (2) methodologies. The one
20 presented by Kubursi and Magee being more simple, less
21 complex, which is -- can often be a good thing, but also
22 perhaps having more challenges in capturing how flows
23 differ over different periods. And that's something -- a
24 small point but that our clients thought may be of
25 assistance to Hydro and to others.

1

2

(BRIEF PAUSE)

3

4 MR. BYRON WILLIAMS: At page 64 of our
5 outline on behalf of our clients we start with looking at
6 in greater detail of the -- the evidence of Professors
7 Kubursi and Magee as they relate to chapter 6. And I
8 want to preface my comments again on behalf of my clients
9 because it is -- hopefully they made clear near the
10 start, they think that these independent experts have
11 made a very positive contribution to the process, but
12 they have grave concerns with the analysis flo -- run --
13 flowing from chapter 6.

14 And our clients certainly note at pada --
15 page 18 of their written evidence, Professors Kubursi and
16 Me -- Magee talked about what the Board should take into
17 account in to setting a target in terms of drought and --
18 and it's certainly their evidence at that page sent some
19 shivers into the heart of -- of my clients, talking about
20 a seven (7) year drought at -- as well as other factors:
21 high interest rates, high exchange rates, high import
22 costs, and one (1) other factor which escapes me at this
23 point in time.

24 And the statements were of some concern to
25 my clients for two (2) reasons. One (1) is, by that

1 stage in time they had significant concerns with the
2 numbers flowing from chapter 6. And secondly, that those
3 statements on page 18 on their face appear to give no or
4 little considerations to issues of probability and
5 correlation between risks. And, certainly, from my
6 clients' perspective, that statement on page 18 was seen
7 as inconsistent with the Professors legitimate focus on
8 problem -- probabilistic risk management.

9 And so from my clients' perspective - and
10 this we will -- we will try and go through this in some
11 detail - it's important to understand how the primary
12 estimates of risk placed on the record by Professors
13 Kubursi and Magee, in this proceeding, flow from chapter
14 6. There are estimates of a five (5) year drought and a
15 seven (7) year drought put on the record of the
16 proceeding of this hearing by the Professors. And they
17 have confirmed that the -- that that analysis relies upon
18 the underlying data and probability distributions found
19 in chapter 6. That's set out in an Information Response
20 Hydro/KM-8, but also in my cross-examination of Professor
21 Kubursi.

22 Just to drive that point home, the data
23 comes from the Table 6.1 and the estimates derived
24 therefrom, and the underlying probability distributions
25 are derived from chapter 6 as well, Figure 6.18 through

1 figure 6.44 as further amended by the Professors in their
2 report of June 10, 2011.

3 Now, if we turn to the outline at 65 --
4 page 65, it's -- it's standard -- actually there's one
5 (1) -- one (1) point I want to make at the top. And one
6 (1) second, I apologize, Mr. Chairman and Mr. Vice-Chair.

7 At the very top of this page we note that
8 Professors Kubursi and Magee had a statement that they
9 did not think the actual series would produce the best
10 correlation. And what we mean by that is in their
11 original report at page 229, they didn't produce an
12 estimate of a five (5) year drought or a seven (7) year
13 drought. And their reasons for doing so are stated in
14 that original report and they are very telling. And this
15 is pulled directly from report page 229.

16 "We did not examine the results of a
17 five (5) year or seven (7) year drought
18 as we did not have and did not think
19 that the actual series would produce
20 the best correlation given that our
21 estimate came from a statistical
22 simulation exercise."

23 So even before a more detailed examination
24 of some of the challenges in chapter 6, Professors
25 Kubursi and Magee quite legitimately and rightly were

1 expressing some misgivings about using the data from that
2 limited sample, using the probability distributions from
3 that limited sample, and applying it to a five (5) year
4 and a seven (7) year drought. And our clients thinks
5 that that is important proper cautionary advice from the
6 Professors set out in their report.

7 And the Professors would be the first to
8 tell us that estimates cannot be reasonably relied upon
9 if their underlying data is flawed, if the probability
10 distributions derived from the underlying data is wrong,
11 or if the underlying methodology is wrong. And we note
12 in the middle of page 65 that Professor Magee has
13 candidly confirmed -- and he was always a candid witness
14 -- that a different distribution would give a different
15 result.

16 And certainly, from our client's
17 perspective, even before the material downward revision
18 to many of -- of the calculations found in chapter 6,
19 found in Kubursi and Magee's undertaking response of June
20 24th, even before that, our clients were of the view that
21 the record of this proceeding had demonstrated flaws in
22 terms of the data in chapter 6, the probability
23 distributions, and the underlying methodology.

24 Towards the bottom of page 65 our clients
25 discuss the flawed data and, frankly, there's a better

1 analysis of it in the rebuttal evidence of Manitoba
2 Hydro. And, certainly, Mr. Cormie gives some insight
3 into it on this point on April 7th, 2011 during my cross-
4 examination of him.

5 As well, though, Professor Magee admits --
6 and I think this is page 6,082, we should stroke out the
7 second page in that reference -- this is, again, at page
8 65 towards the bottom, that we might have ended up with
9 better data covering a longer period of time using Hydro
10 information.

11 It's important to understand -- and -- and
12 certainly Mr. Chairman and Mr. Vice-Chairman, I didn't
13 grasp this point when I embarked upon this endeavour --
14 that flawed and a limited amount of data can lead to
15 flawed probability distributions. And flawed probability
16 distributions matter. And I'm trying to express this in
17 a accessible manner, but if you think of Monte Carlo
18 simulations, those thousands of simulations, they involve
19 both randomization and replication. Apart from data, the
20 key input into randomization -- randomization, creating
21 that random dis -- distribution, is the probability
22 distribution. So if that probability distribution is
23 flawed, then one must question and challenge the numbers
24 that flow from it.

25 Professor Magee -- and I'm referring to

1 the top of page 66, transcript reference -- he makes his
2 point well. He makes the point it's not just the
3 numbers, it's the distribution. And he confirmed in my
4 cross-examination of him that in selecting a probability
5 distribution there is always the room -- the potential
6 for error. And we use a very simple example of trying to
7 pick between two (2) different potential distributions
8 using a sample of five (5) pieces of information, five
9 (5) sources of data or around thirty (30).

10 What Professor Magee candidly confirmed
11 was that the fewer the samples, the higher the
12 probability of selecting the wrong distribution. And
13 that is one (1) of the challenges in Professor -- in
14 chapter 6, the limited sample size that particular
15 period. As we say toward the top third of page 66 of our
16 outline, the possibility is only enhanced when one is
17 relying on analytically vulnerable data from a small
18 sample.

19 And in my cross-examination of Professor
20 Kubursi on May 26th, we had a discussion about one (1) of
21 those probability distributions -- the triangular
22 probability distribution related to exchange rates. And
23 this was not the only triangular probability distribution
24 which appeared, but it certainly was to our clients very
25 illustrative of the challenges associated with

1 probabilities distributions flowing from chapter 6.

2 In discussing -- certainly, from our
3 client's perspective, this was an awkward choice of
4 probability distribution because the logic of that
5 figure, six point one eight (6.18), was that there was a
6 zero probability -- zero probability of an exchange rate
7 above ninety-three point eight (93.8) US cents to buy a
8 Canadian dollar. And I asked this question of Professor
9 Kubursi in a couple of ways just to hammer home the
10 point, I hope.

11 "The chosen distribution did not allow
12 for value above ninety-three point
13 eight (93.8) cents US to buy a Canadian
14 dollar."

15 Well, one wouldn't need to look at much
16 evidence to suggest that that probability distribution is
17 undermined by reality. But CAC/MSOS did introduce an
18 exhibit, I believe it's 27, Mr. Singh might correct me by
19 one (1), but an exhibit of exchange rates from a certain
20 period of time, providing ample evidence of situations
21 where it requires more than one (1) dollar US to buy one
22 (1) Canadian dollar. And I've cited the pages from the
23 transcript for your information.

24 So, that's just one (1) example of the
25 challenges with the probability distributions. But if

1 one looks through Figures 6.18 through Figures 6.44, that
2 is not the only triangular probability distribution, that
3 is not the only distribution that might be subject to
4 question.

5 And our clients have to note and -- and
6 they're not quite sure what to make of it, but in the
7 June 10th, 2011 document submitted by Professors Kubursi
8 and Magee as part of underta -- their June 24th
9 undertakings, there's two (2) references that my clients
10 find concerning. One (1) is at page 3 -- and these
11 pages, Mr. Chairman, Mr. Vice-Chairman, are not numbered
12 in the document provided by Kubursi and Magee and they're
13 not before you so I apologize for this -- or at least I
14 didn't provide them to you.

15 But on the third page of the kind of
16 summary of their responses, about a -- two-third (2/3),
17 just below the midpoint of the page, they indicate that
18 they refitted generation, and its probability
19 distribution is displayed in Figure 9. And then at the
20 very last page of that same document, they -- they speak
21 of major changes in their quantification of Manitoba
22 Hydro's risks. They refer to the zero intercept which
23 I'll speak of further, royalties, and also wrong
24 probability distributions. We're not quite sure what
25 they mean by that and -- and certainly I think we -- we

1 perhaps all should figure out what they do mean by that.

2 But, again, that leaves us with additional
3 discomfort with the analysis in chapter 6 and -- and
4 we're not sure how to interpret this. Are they saying
5 that they got their generation distribution, probability
6 distribution wrong in prior analysis. I'm not sure. But
7 that's just a -- a matter of some concern from their
8 undertakings.

9 What is more definite -- and this appears
10 at the bottom of page 66 -- is an analytic flaw, our
11 clients would say, in terms of the chapter 6 analysis.
12 And our clients' first concern was that in chapter 6 they
13 would have expected, given that hydrology was the
14 greatest risk to Manitoba Hydro, that the Monte Carlo
15 simulations, as well as the stress tests conducted in
16 chapter 6, would have been employed using a random
17 distribution of water flow.

18 Our clients were surprised to learn that
19 chapter 6 did not model Hydro's biggest risk. Instead
20 they used generation as a proxy for -- for water flow, or
21 in the words of Professors Kubursi and Magee in their
22 undertaking response, they translated water flows into
23 generation.

24 And our clients' deep and profound concern
25 with this analytic approach was only exacerbated when,

1 through the cross-examination of My Learned Friend Mr.
2 Hacault, they were presented with the formula by which
3 Professors Kubursi and Magee translated from water flow
4 to generation.

5 And just for the Board's awareness, the
6 little document "Additional Materials from the Records,"
7 the second-last page, I -- so that's the one with the
8 colour graphs -- I haven't included their formula, but
9 you may want to have the second-last page there which is
10 "Water Flows and MH Generation 1912 through 2005." And,
11 Mr. Chairman, if you have the coloured version it's
12 probably blue or -- I see your head nodding. So this --
13 just before we get into this, this is not the -- the
14 Hydro linear -- excuse me, the Kubursi and -- and Magee
15 linear regression presented on this page, it is the one
16 presented in cross-examination.

17 But once CAC/MSOS learned of the formula
18 that Professors Magee and Kubursi were employing to
19 translate from water flow to generation, they became
20 additionally concerned because of the formula which, for
21 shorthand purposes, they will call the "zero intercept
22 linear rege --regression." In their view, it wasn't a
23 very good fit. And the document that the Chairperson has
24 before him -- and -- and as you will be, Mr. Vice-Chair,
25 but not in colour, for which I apologize -- no -- no slur

1 intended -- is what this -- this linear regression was
2 put to Professors Kubursi and Magee in cross-examination,
3 concocted quick -- quickly by CAC/MSOS over -- over the
4 lunch hour.

5 And it's what I will call "The Simple
6 Linear Regression with Intercept." And when you review
7 their response to PUB -- or to their June 24th
8 undertaking response and the Kubursi and Magee document
9 dated June 10 to 11, you will see that they have
10 replicated this simple linear regression of water
11 produced at the hearing by CAC/MSOS and tested it against
12 their original approach.

13 And what they confirm, and this is at page
14 67 of the outline, is that both statistical and practical
15 considerations favour the use of the zero -- excuse me,
16 strike that -- favour the use of the with-intercept
17 regression line. In other words, the one introduced by
18 CAC/MSOS. And they confirm -- and I'm citing from the
19 page 8 and 9 of -- I'm trying to recall if it's their
20 undertaking or their -- yeah, it is their undertaking not
21 the June 10th document. It's not before the panel. They
22 confirm that not using the intercept produced a poor fit
23 and, hence, poor estimates of generation for any given
24 water flow. In other words, the methodology that they
25 employed for chapter 6 was inferior to the one presented

1 to them on May 31st, 2011, which raises serious questions
2 about the analysis and the numbers flowing from chapter
3 6.

4 And in their June 10th to 11 document,
5 Professors Kubursi and Magee candidly confirm their most
6 -- more serious error in chapter 6 was the mistake
7 involving generation.

8 And Professor -- excuse me, Mr. Chairman
9 and Mr. Vice-Chair, I -- I've -- I've tried to
10 religiously stay away from our recommendations, Tab 3 and
11 4, but I -- I'm going to turn you there for -- for a
12 moment because there are numbers that -- that are there
13 that are important. They're not contentious, they --
14 they come from Kubursi and Magee, but I wish to highlight
15 them for you, and that is Tab 4 of the recommendations
16 page 3 and 4.

17 And what I simply mean to do is summarize
18 what also appears at Table 10 of the June 10th, 2011
19 response of Kubursi and Magee but it's not before you and
20 so I apologize for this.

21 What they do when they -- Mr. Chairman,
22 I'm sorry, do you have that?

23 So essentially, what Kubursi and Magee do
24 -- Professors Kubursi and Magee, on June 24th, and it's
25 summarized in Table 10 of their June 10th, 2011 document,

1 the very last page, is they say, okay, well let's --
2 let's re-calculate a couple of the figures from Chapter 6
3 using the 'with intercept' model and also making some
4 adjustments for royalties. And the numbers that flow
5 from that and -- and we would -- are materially different
6 from what appeared in the last -- in Table 6.2 of the
7 original report. And we attempt to summarize that at the
8 bottom of page 3, as well as on page 4 of Tab 4.

9 So the second or third last paragraph on
10 Tab 3 you see a figure going from minus 788 million to
11 minus 198 million which we would calculate to be an
12 impact -- a reduction of 590 million or 75 percent.

13 If you flip to the next page, you'll see -
14 - that should be page -- page 4 of Tab 4 -- what appears
15 to be a reduction from 722 million to 337 million, we
16 would estimate to be a reduction in excess of 50 percent.
17 Again, another calculation reduced from minus 1200
18 million to minus 758 million.

19 Now, Mr. Chairman, Mr. Vice-Chairman, we
20 haven't had a lot of time to look at those numbers, so
21 we'd urge you to check those with others but we think
22 this points to another significant challenge with the
23 report of Professors Kubursi and Magee. They used the
24 wrong formula, in our respectful submission, in
25 translating from water flow to generation. To their

1 enormous credit they've conceded that and I'm not sure
2 how many experts would do that but they have and to their
3 enormous credit they've recalculated and shared with us
4 what we -- certainly our clients consider it to be
5 material differences. So from our clients' perspective,
6 we give them tremendous credit for doing so.

7 Again, we would urge the Board -- we
8 haven't had a lot of time to look at that, to make sure
9 that our -- our interpretation of their information is
10 correct.

11 Going back to the -- the regression, the
12 linear regression that our clients presented in cross-
13 examination, the blue graph in the Chairman's version,
14 the water flow and MH generation, one also has to
15 recognize this was something that CAC/MSOS literally did
16 over lunch and we've shared with the Board the R-squared
17 for that calculation of 0.8846 in the top right-hand
18 corner. And it is important to recognize - and if you'll
19 just give me one (1) second - that what this essentially
20 suggests is that about -- a significant amount of the
21 variation between 11 and 12 percent is not explained by
22 water flows. There's something else going on there. So
23 even what our clients certainly consider to be a superior
24 methodology is hardly a perfect methodology.

25 And there are still substantial -- our

1 clients certainly wouldn't dare to suggest to you that
2 something that they crafted fairly quickly on May 31st
3 would be the ultimate best way to -- to perform this
4 calculation. And certainly from that -- their
5 perspective that leaves additional room for questioning
6 the conclusions that Professors Kubursi and Magee in
7 Chapter 6.

8 Turning to page 68 of the outline. And --
9 Mr. Chairman, if I might have a moment.

10

11 (BRIEF PAUSE)

12

13 MR. BYRON WILLIAMS: Our clients make the
14 point on page 68 of their outline and this -- for those
15 who sit on the MPI Panel we'll go back to the debates in
16 MPI proceedings between probabilistic assessment and
17 stress tests. And this is not a numerical concern but an
18 analytic concern. Our clients are a bit uncomfortable in
19 Chapter 6, as well, with the reliance on stress test as
20 represented by Figure 6.2 through Figure 6.17 as compared
21 to true pure Monte Carlo assessments of risk as
22 represented, however imperfectly, in Figure 6.1.

23 They're -- they're concerned with that
24 from an analytic perspective -- and certainly Mr. Cormie
25 had some comments about this in my cross-examination of

1 him -- in that when you do stress tests you can create
2 some quite significant, sometimes enormous numbers, to
3 which no probability of occurrence is attached.

4 And certainly from my clients'
5 perspectives, our clients' perspective, a more health
6 approach, a more analytically rigorous approach and one
7 that provides greater insight is one that looks at the
8 magnitude of risk but also the probability of risk, Monte
9 Car -- a pure Monte Carlo probabilistic assessment as
10 opposed to the stress tests which are reflected in much
11 of Figure 6 -- Chapter 6.

12 The most -- and -- and we would note that
13 Mr. Wallach, certainly in our view, about a third (1/3)
14 of the way down page 6 -- 68 of the outline, makes this
15 point very well in pages 7137 through 7141.

16 And we note, as well, that the extreme
17 nature of some of the scenarios presented was really
18 underscored by our -- our clients' cross-examination of
19 Profeshor -- Professor Magee. And we -- we took two (2)
20 figures, Figure 6.1, which was the base case, as compared
21 to Figure 6.2, which was a stress test. And close to 95
22 percent of the values presented in Figure 6.2 did not
23 appear in the probabilistic assessment, suggesting that
24 they were relatively extreme values.

25 Mr. Cormie put it more succinctly

1 suggesting that you would have to go over nine (9)
2 standard deviations to the left from the mean before you
3 got a -- a loss of the magnitude expressed in Figure 6.2.

4 And just two (2) last points on risk
5 quantification. There's one (1) figure found in the
6 evidence of Professors Kubursi and Magee that gives my
7 clients a great deal of discomfort, that is Figure 6.17,
8 which combines -- and it's not before you. It combines
9 an extreme adverse water situation with high interests
10 rates, high exchange rates, and also high import costs.
11 And our concern with that assessment -- and I hope we set
12 it out well at pages 68 and 69 of the outline -- is that
13 -- that a very large number flowing from an extremely
14 unlikely scenario. And even in the written evidence, I -
15 - I -- our clients would submit that Professor Kubursi
16 concedes that.

17 But the assumptions captured there are,
18 perhaps, inconsistent. For example, National Bank
19 assumed that there was no correlation between interests
20 rates and hydrology risk. That's a reasonable assumption
21 in our clients' submissions, and we were uncomfortable
22 with the presentation of such extreme scenarios with no
23 consideration of their probabilistic likelihood or
24 limited consideration.

25 The last point which is made at page 69,

1 and I'm not sure I'll do it justice here, this doesn't
2 relate just to Professors Kubursi and Magee. It relates
3 to our entire deliberations in terms of drought risk in
4 the context of this proceeding.

5 And we have all learned some of the
6 lessons from '03/'04. We're aware of some of the factors
7 which lead to the very high losses experienced by Hydro
8 in that period, shortage priceage -- shortage pricing
9 being one (1).

10 But what our clients are suggesting on
11 this page is that there would appear to be significant
12 consensus between Mr. Rose, Professors Kubursi and Mr.
13 Cormie, at least to some degree, on how the situation for
14 Hydro has changed since the opening of the MISO market in
15 2005.

16 And there's an IR response on this point,
17 which is CAC/MSOS Hydro 1-62, which served as a launching
18 point for a really interesting discussion with Professor
19 Kubursi on this point on pages 6554 through 6557.

20 And, as I took his evidence, and the Board
21 should read it, obviously, for it -- to see if it agrees,
22 he was suggesting that in the new MISO market the issue
23 of shortage priceage should have largely disappeared --
24 again, I urge you to read that discussion and make sure
25 I've not misquoted him, but that's certainly our -- our

1 con -- our conclusion -- but that there were ongoing
2 transmission constraints.

3 Mr. Rose spoke to this at some detail in
4 his evidence, and perhaps the best analysis, in our view,
5 is provided by Mr. Cormie at pages 5343 and 5352. The
6 point being, in terms of risk con -- quantification, our
7 clients -- the -- the im -- the issues of the drought of
8 '03/'04, we have to learn those lessons but we also have
9 to acknowledge where things have changed. And one (1)
10 material area in which things have changed as it relates
11 to risk quantification is shortage priceage -- shortage
12 pricing.

13 In terms of our recommendations in terms
14 of risk quantification, most of them have been gone
15 through in my discussion, certainly down to the bottom of
16 page 70, but the -- the last two bullets on page 70, I do
17 want to underscore -- underscore again.

18 The analysis of the five (5) year and
19 seven (7) year drought scenarios were applied on the data
20 from Table 6.1 and the probability distributions from
21 Chapter 6.

22 In our client's view, no reliance -- going
23 to the last bullet on page 71 -- no reliance can be
24 placed on the estimates of the five (5) year drought and
25 the seven (7) year drought, given that that analysis of

1 Professors Kubursi and Magee flows from Table 6.1 data
2 and Chapter 6 probability distributions.

3 Demand side management, Mr. Chairman, is
4 the next area. I'm hoping I can move through that fairly
5 quickly. I do apologize for the time we're taking, but
6 it's -- it is what it is.

7 Would you like me to proceed, sir? Our
8 brief discussion of demand side management...

9

10 (BRIEF PAUSE)

11

12 MR. BYRON WILLIAMS: Begins at page 72
13 and our summary of the transcript -- others may disagree
14 -- is that certainly in the cross-examination of the
15 Hydro panel by Board counsel, Hydro struggled to defend
16 its achievements and future plans relating to energy
17 efficiency in the current proceeding. Certainly that's
18 our interpretation and we point to the cross-examination
19 of Board counsel starting at page 4496.

20 Our clients interpret Hydro's evidence as
21 offering a relatively pessimistic viewture -- vision of
22 the future, arguing that there may not be the same value
23 of future opportunities as existing opportunities that
24 can be captured in a cost-effective manner. And we note
25 that on -- on at least two (2) occasions Hydro used the

1 terminology "manage expectations" suggesting that -- that
2 there was an
3 intent to manage expectations. And certainly, our
4 clients would concede that our expectations in terms of
5 their performance in demand side management have been
6 managed; they have been deemed.

7 Mr. Chernick concluded that Hydro appears
8 to be spending less, looking forward and aiming low. He
9 argued that Hydro has not demonstrated a commitment to
10 maximizing benefits for customers, and our clients agree.

11 And we recognize that the Board cannot
12 tell Hydro how to spend its energy-efficiency dollars but
13 that the Board can, in the process of rate setting, make
14 judgments on whether Hydro is maximizing the use, its
15 operations, in that portfolio in a prudent and reasonable
16 manner as they may affect costs and revenues.

17 And our clients' review of Hydro Exhibit
18 157, the most recent filing in terms of the 2009/'10
19 Power Smart annual review, suggests that there are
20 ongoing challenges with this program. And we're not
21 going to detail them at a great deal except for at page
22 73, the fourth paragraph in. We note that electric Power
23 Smart programs, their achievements in ter -- in electric
24 savings were below the planned savings in 2009/'10. And
25 we set out below that a number of the reasons for that.

1 And in page 74 we note, as well, the third
2 paragraph, that low income energy efficiency program is
3 producing lower than expected in that particular year due
4 to -- due to lower than planned program participation.

5 In the context of this Hearing, certainly
6 our clients would interpret the evidence, certainly on
7 the residential side, as suggesting that Hydro is
8 performing -- performing to date less well than planned
9 and also is presenting less ambitious goals into the
10 future.

11 There are different perspectives on the
12 record of this Hearing. There is the evidence of Mr.
13 Dunsky which we cite very quickly at the bottom of page
14 30 -- 74, noting that he was a thoughtful and well-
15 received witness in the last GRA and offering a more
16 optimistic and hopeful vision of demand side management
17 in this Hearing.

18 In terms of our recommendations in terms
19 of demand side management set out at page 75, I'll skip
20 over the first three (3) bullets, but we would recommend
21 that the Board make a number of findings. This is in the
22 middle of page 75.

23 One is to note that the DSM savings that
24 Hydro attributes to some of its more successful
25 residential plans, such as CFLs, are more optimistic than

1 those adopted by other well respected bodies in the area
2 of energy efficiency such as the Ontario Power Authority.
3 And there's an IR response CAC/MSOS/Hydro-79, which
4 enumerates this in part. There's also a Second Round
5 follow-up.

6 We would also ask the Board to determine
7 that resi -- Power Smart residential incentive-based
8 programs are lagging relative to plan with the major
9 factors appearing to be lower participation rates.

10 We would also ask the Board to determine
11 that particularly concerning is the low participation
12 rates in the Low Income Energy Efficiency Programs and
13 the low spend from the AEF or Affordable Energy Fund.

14 Again, on page 75 going to 76, looking at
15 further con -- con -- findings we would ask the Board to
16 make, we would ask the Board to accept the conclusion of
17 Mr. Chernick, as we interpret it, that the 2009 and '10
18 DSM plans appear to be spending less and aiming lower.

19 To accept his conclusion as we would
20 interpret it, at the top of page 76, that Hydro's DSM
21 program -- programming has not demonstrated a commitment
22 to maximizing benefits for customers, and to accept the
23 conclusions of Mr. Dunsky that leadership energy
24 efficiency will require new, more ambition electricity
25 savings goals as well as a re -- reconsideration of its

1 current portfolio of programs and strategies.

2 Now turning just to rate setting, and, of
3 course, Mr. Chairman and Mr. Vice-Chair, in looking at
4 this, one has to be mindful of the Board's jurisdiction,
5 which is to approve rates based upon determinations of
6 evidence.

7 And in terms of -- and for that, in terms
8 of the rate-setting process, as you've no doubt -- doubt
9 gathered, we're going to be asking for some sort of
10 reduction in the approved interim rate based on OM&A
11 expenditures, based on demand side management performing
12 less well than one might expect to maximize benefits and
13 revenues and minimize costs, and based upon excessive
14 forecasts for financing, debt interest financing.

15 And we would ask the Board, if it deems it
16 appropriate, to identify that a factor in the reduction
17 of the approved interim rate increase was the finding
18 that the Board's -- the Corporation's ongoing operations
19 of its energy efficiency program is not prudent and
20 reasonable, and not consistent with in -- industry best
21 practice.

22 We -- we put down a bit of a wish list in
23 terms of at least directionally where our clients would
24 indi -- would like to see more action from Manitoba
25 Hydro. One (1) point in -- in particular -- the sec --

1 second bullet under the rate setting process -- probably
2 not appropriate under there -- is that -- is that
3 strategically reviewing the Low Income Energy Efficiency
4 Program and retaining an independent third party
5 evaluation and audit of its operations to be filed in
6 support of the next General Rate Application and,
7 certainly, to consult with the regulator and interested
8 intervenors.

9 Mr. Dunsky, at page 63 of his discussion
10 of Manitoba Hydro, talks about the importance of
11 independent evaluations. Mr. Chernick did, as well, in
12 terms of his discussion with CAC/MSOS in cross-
13 examination.

14 And from our client's perspective, the
15 under-performance in the residential area generally, but
16 in low income energy efficiency programming in
17 particular, suggests the need of important external
18 reviews in support of the next rate application.

19 We put in an -- a -- an additional wish
20 list, again identifying -- recognizing that there are
21 limitations to the Board's jurisdiction, which follows.

22 Mr. Chairman, I could proceed to a couple
23 of other areas or we could take a brief break. I -- I'm
24 subject to your advice.

25 THE CHAIRPERSON: I'm going to ask, Mr.

1 Hacault, do you know how long your closing statement will
2 take approximately?

3 MR. ANTOINE HACAULT: What I'll try to do
4 tonight, Mr. Chairman and Mr. Vice-Chair, is I note that
5 there is some duplication in the comments I initially was
6 going to make which have been covered by my colleague
7 here. I had anticipated taking a morning, and I'm hoping
8 that upon reviewing the comments that have been provided
9 by Mr. Williams, I can substantially reduce that.

10 THE CHAIRPERSON: Mr. Gange, do you have
11 a view from RCM/TREE?

12 MR. WILLIAM GANGE: I would hope no more
13 than two (2) hours. That -- that would be -- that --
14 that's -- two (2) hours is a maximum I would say, Mr.
15 Chair.

16

17 (BRIEF PAUSE)

18

19 THE CHAIRPERSON: It's been a long day,
20 Mr. Williams. It's a lot for your presentation and the
21 others, and our listening and absorbing at the same time,
22 so maybe we'll -- do you have a -- can you give us an
23 estimate of how much time it would take you to conclude
24 tomorrow?

25 MR. BYRON WILLIAMS: If you'd just give

1 me a couple of minutes, Mr. Chair?

2 THE CHAIRPERSON: Sure.

3 MR. ROBERT MAYER: Or how much would it
4 take -- how long would it take you to finish today, and I
5 would hope it wouldn't make any difference if it were
6 tomorrow?

7 MR. BYRON WILLIAMS: Mr. Vice-Chair, it
8 probably would make about twenty (20) minutes difference
9 because I'm just getting a little tired. But -- so it --
10 Mr. Chairman, the -- the biggest -- I anticipate about
11 twenty (20) minutes on inverted rates, we want to spend
12 some time on that, and on low-income rate assistance
13 about an hour. The other, maybe forty-five (45) minutes
14 but -- and then our recommendations, maybe fifteen (15) -
15 - fifteen (15) to twenty (20) minutes. So I would do my
16 very best to do it in somewhere between an hour and
17 fifteen (15) minutes and an hour and forty (40).

18 THE CHAIRPERSON: Okay. We're going to
19 take five (5) minutes and then we'll go to 5:00, just to
20 make sure that everybody fits in tomorrow.

21
22 --- Upon recessing at 4:29 p.m.

23 --- Upon resuming at 4:36 p.m.

24

25 THE CHAIRPERSON: Okay. Welcome back

1 everyone.

2

3 CONTINUED BY MR. BYRON WILLIAMS:

4 MR. BYRON WILLIAMS: Yes. Thank you.

5 And it should be at about page 78 of your -- your
6 outline, relating to costs of service and revenue-to-cost
7 ratios. And I just note that there's a -- a formatting
8 error at the top of this page and the next page on
9 demand-side management which should be deleted.

10 At page 78, our clients have set out a
11 very -- what I hope is a relatively terse summary of the
12 issues related to cost allocation that have come to their
13 attention in the course of this hearing. Ultimately,
14 their recommendations in -- in this area are set out at
15 page 79 and I'll really take the Board there.

16 The Board -- the Board notes that in the
17 interim order, apart from the City of Winnipeg, there was
18 no further rebalancing among classes of consumers, and
19 certainly that is a similar approach that our clients
20 would recommend in -- in the context of -- of this
21 proceeding.

22 In support of that position, they outline
23 the fact that there's an ongoing review of all areas of
24 Hydro's current PCOSS methodology including marginal --
25 marginal costs as it affects that methodology. They also

1 of the Hydro Panel, I presented a -- a table looking at
2 taking a snapshot of customers at two (2) points in time,
3 one (1) being March 31st, 2004, and one (1) being March
4 31st, 2011. And Mr. Wiens, honest and fair witness that
5 he is, pointed out that our analysis actually understated
6 the impact of the -- of the change.

7 And so what we have set out is from page 9
8 -- or excuse me, on page 81 of our outline is a historic
9 change in residential bills similar to what we originally
10 presented but revised based upon Mr. Wiens -- my cross-
11 examination of Mr. Wiens. And again, this was -- this
12 was prior to the interim rate application, but we think
13 that there are some important points made by this table.

14 And what it does is look at two (2) bills
15 at two (2) points in time, one (1) being March 31st,
16 2004, one (1) being March 31st, 2011, and also different
17 consumption levels, five hundred (500) to twenty-five
18 hundred (2500) in 500 kilowatt hour incre -- increments.

19 And it looks at the percentage change in
20 these relative bills -- these relative consumption levels
21 from the 500 kilowatt monthly use to the 25 kilowatt
22 (sic) monthly use. And it also compares them to
23 cumulative inflation as provided by Manitoba Hydro in one
24 (1) of its undertakings.

25 And what one can see, obviously, as -- as

1 well, that average rates in -- you know, in these two (2)
2 snapshots increased faster than inflation in these two
3 (2) particular periods.

4 There's also a gap between more modest
5 users of electricity and the highest users with the
6 percentage change experienced by those using in excess of
7 2,000 kilowatt hours per month between '04 and '11 being
8 23.53 percent, and even more for those at twenty-five
9 hundred (2500).

10 And our clients -- this was prior to the
11 interim order that they presented this application
12 because they thought it was important to provide some
13 bill information and -- and also some insight into some
14 of the pressure the Board has been hearing from consumers
15 in their presentations to it in terms of some of the
16 stressors that those who rely on space heating to heat
17 their homes have been experiencing in -- in the context
18 of -- of inverted rates.

19 It also is important though my clients --
20 this -- this snapshot also -- it also underlies the rate
21 pressure that all consumers have -- have faced. And our
22 clients realize that the -- that there are rationales for
23 this, recovering from a drought and otherwise. But even
24 those who are at the 500 or 1000 kilowatt hour certainly
25 were facing some rate increases substantially above

1 inflation.

2 And perhaps in my March 9th, 2011 interim
3 argument, I spoke more -- I hope I spoke more eloquently
4 about consumers and -- and the impact that consumers are
5 facing as they face budget constraints, employers --
6 maybe not the wage settlements that they are looking for,
7 the pressures of the recession and the modest recovery
8 from it, the pressures in certain localized areas of the
9 province in terms of the flood and the terrible personal
10 consequences and, in some cases, business or consumer
11 consequences, as well.

12 And we thought that this graph on behalf
13 of our clients was a useful illustration of this and my
14 client has also asked me to emphasize a point that the
15 Board made in the diesel Hearing in terms of the double
16 whammy of rate increases upon consumers. There's their
17 actual bill, as well as the increased cost of goods and
18 services that there have to -- they have to purchase.
19 The Board is well aware of it but my client has asked me
20 to emphasize it.

21 In terms of inverted rates, at pages 9 and
22 10, we set out a bit of a discussion but at the bottom of
23 page 10, we -- we put out two (2) important bullets and,
24 certainly, the -- excuse me, I'm -- bottom of page 82.
25 Someone's getting tired.

1 At the bottom of page 82 there are two (2)
2 important bullets and certainly from my clients'
3 perspective, they want to sincerely thank the Board for
4 their decision in terms of moving away from, at least in
5 this proceeding, from the inclining block structure to a
6 level block structure. And certainly, they think that
7 this is important and especially given the relative lack
8 of progress in -- in introducing DSM programs, assisting
9 in mitigating the impact of steeper inverted rates. And
10 our clients note that not all low income customers are
11 low volume users and this is particularly important for
12 them.

13 They do have to note, as well, of course,
14 that the rate design changes adopted on April -- as
15 effective April 1st, 2011, did result in higher than
16 average bill impacts for customers with a moderate level
17 of use.

18 At page 83, not page 11, of our outline,
19 our clients make our recommendations in this area. First
20 of all, that no inverted rate be introduced for the
21 residential class for the 2011/'12 year and that further
22 discussion on the merits of an inverted rate should take
23 into account the progress of Hydro in addressing energy
24 efficiency needs for all customers, including vulnerable
25 persons and tenants.

1 And Mr. Vice-Chair and Chairman, there's
2 another important recommendation which I'm just going to
3 -- to move towards and I'll just convey it to you
4 verbally.

5

6 (BRIEF PAUSE)

7

8 MR. BYRON WILLIAMS: The other
9 recommendation is, our clients have been somewhat
10 resistant to the idea of inverted rates when it's not
11 coupled with sufficient energy efficiency programming.
12 They're interested in considering the dialogue in
13 subsequent years, not 2011/'12, but they would make the
14 point that any future consideration of inverted rates for
15 residential customers must fully come with the option of
16 employing a different level of inversion for those
17 relying upon electricity to heat their home.

18 And so our clients still are not onboard
19 on this and I doubt they ever will be onboard unless they
20 see material improvement, from their perspective, in DSM
21 energy efficiency affecting residential and, in
22 particular, low income customers, but they recognize,
23 based upon the experience of the current system, or the
24 system that was in existence prior to April 1st, 2011, of
25 the need to take a different approach or a different look

1 at those relying upon electricity to heat their homes.

2 Page 85 -- 84 of the outline, excuse me,
3 Temporary Billing Demand Concession Program and Board
4 Order 126/09. And in the -- in the recommendations, Tab
5 9, I just want to draw the -- the attention of the Board
6 to the very last attachment in which our clients attempt
7 to present a briefing note on temporary billing demand
8 concessions, their understanding of the key elements of
9 the program, and the justification of the program. This
10 is Tab 9 and -- of the Board's Order.

11 And if you go to page 3 of that Tab,
12 you'll see some commentary under the heading "Repayable,"
13 and certainly, from our client's perspective, they
14 wouldn't have a lot of difficulties with this program if
15 it were repayable. They see some analogies in terms of
16 flexible payment arrangements for all customers and,
17 certainly, at the repayable level, they do not have any
18 problems with this approach.

19 Under the "Not-repayable" heading, under
20 the -- at the risk of appearing somewhat wishy-washy, our
21 clients -- but -- but they're not. The clients are
22 trying to -- they've struggled with this issue, and you
23 might have gathered that by the fact that we didn't
24 present a final position on it on Thursday. What they
25 try and do on pages 3 and 4 is canvass some of the

1 arguments for and against. I'm not saying they've
2 captured all of them, but they've -- they're trying to
3 present the arguments both for and against. Ultimately,
4 our clients -- ultimately, our clients do not support
5 this proposal, if the -- the benefits are not repayable.

6 So we've set these out. The -- we've
7 tried to be fair to -- to both perspectives in this
8 discussion. Ultimately, our clients felt they could not
9 support it for some of the reasons that are set out on
10 pages 3 and 4. And I leave those for the Board's
11 consideration, which be -- leads me to really the last
12 area of my evidence before -- evidence -- the last area
13 of my client's submissions before -- before their
14 recommendations.

15 And, Mr. Chairman, I made some pretty good
16 time in that -- that session. Certainly, I'd prefer to
17 start tomorrow morning, even if it's an hour, or half an
18 hour earlier, if that would assist the -- the panel. I'm
19 -- I'm running out of rhetorical abilities, limited as
20 they were in the first place.

21 THE CHAIRPERSON: Well, your stamina and
22 determination is evident, Mr. Williams. We appre -- we
23 appreciate it, that's for sure. We would love to start
24 tomorrow 9:00, but unfortunately we've got another
25 commitment at 9:00. So we'll have to start at 9:30, but

1 I think we'll be fine.

2 So we'll see you all tomorrow morning at
3 9:30. Thank you again.

4

5 --- Upon adjourning at 4:52 p.m.

6

7

8 Certified correct,

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13 _____
Cheryl Lavigne, Ms.

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