

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
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MANITOBA PUBLIC UTILITIES BOARD

Re: MANITOBA HYDRO
2004 GENERAL RATE APPLICATION

Before Board Panel:
Graham Lane - Board Chairman
Lens Evans - Board Member
Robert Mayer - Board Member

HELD AT:
Public Utilities Board
400, 330 Portage Avenue
Winnipeg, Manitoba
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APPEARANCES

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	TABLE OF CONTENTS	
		Page No.
1		
2		
3		
4	List of Exhibits	4
		42
		21
		1
5	List of Undertakings	422
6		
7	Continued Cross-Examination by Bob Peters	424
8		
9		
10	Certificate of Transcript	619
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

	LIST OF EXHIBITS		
	EXHIBIT NO.	DESCRIPTION	PAGE NO.
1			
2			
3	MH-18	Manitoba Hydro operations	
4		planning criteria.	525
5	MH-19	Response to an Undertaking	
6		given in respect of the	
7		forecast net loss for fiscal	
8		year ending March 31 2004.	531
9	PUB-9	Worksheet showing comparison	
10		of payments to the Province.	532
11	MH-20	Revised Response to PUB/MH-I-21	536
12	MH-21	Manitoba Hydro's Undertaking	
13		Number 14.	586
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

	LIST OF UNDERTAKINGS	PAGE NO.
1		
2		
3	9. Preparation of a document	
4	showing financial planning.	462
5	10. Provision of general	
6	organizational chart.	463
7	11. Update to document 10 in	
8	CAC/MSOS-MH-II-38	479
9	12. Provide a revised copy which	
10	contains the forecast for 2004/2005	479
11	13. To provide updated actual information	
12	for the forecasted information	
13	contained in PUB-MH-I-64-A	480
14	14. To provide actuals for forecasted	
15	amounts of electrical supply and	
16	demand, gigawatt hours of generation	
17	contained in CAC/MSOS-MH-I-37-A	480
18	15. Provide a breakdown between	
19	productivity and what was related	
20	to the pension.	529
21	16. Deloitte and Touche Study on Risk	
22	Management.	531
23	17. Provide the Reconciliation and	
24	what the Annualized Incremental	
25	Benefit is to Manitoba Hydro.	606

1 --- Upon Convening at 9:05 a.m.

2

3 THE CHAIRPERSON: Good morning, everyone. I
4 just wanted to -- to mention that in Mr. Peter's work we're -
5 - we're hoping to touch on issues that the intervenors may
6 have as they proceed through the process. So, we will see
7 how they make out.

8 Mr. Peters...?

9 MR. BYRON WILLIAMS: Mr. Chairman, if I -- if
10 I might, yesterday when the -- when Mr. Peters was asking for
11 some information to be provided in confidence from Manitoba
12 Hydro to the Board not to Board Counsel, I indicated I would
13 speak with my consultant, as well as my clients, and I can
14 just put on the record my client's position and we're not
15 objecting or raising -- we're not objecting to the Board
16 receiving that information as requested in this specific
17 context.

18 But as we kind of move forward and we're --
19 we're having a fresh start -- start with this Panel, my
20 clients are always uncomfortable with ma -- material that the
21 Panel receives that -- that they don't get a chance to -- to
22 look at.

23 In this case it's not relevant to the
24 submissions that my clients are looking to -- to make so they
25 don't feel it's prejudice -- prejudicing their position. It

1 morning. Mr. Cormie and Mr. Surminski, at Tab 8 of the Book
2 of Documents that was prepared, there is at Tab 8 a copy of
3 an interrogatory MIPUG Manitoba Hydro first round 17 and it's
4 page 205 and there's a similar one measured in energy on page
5 305 of the same one.

6 I gathered yesterday that this document does
7 not serve as a template to determine what is available for
8 export sale opportunities, am I correct?

9 MR. HAROLD SURMINSKI: This document includes
10 dependable energy only which is the lowest, really the lowest
11 flow condition. And so what is available for export is --
12 has always, almost always greater than that because flow
13 conditions are -- are always greater.

14 MR. BOB PETERS: Mr. Surminski if what you
15 see on document number 8 in the Book of Documents is
16 dependable energy, that's the minimum amount that you expect
17 in any given year to be available. Would that be correct?

18 MR. HAROLD SURMINSKI: That is correct. The
19 minimum amount -- yes, and generally that's correct. It's --
20 it's pushing the system to the limit, so in -- in actual
21 operation there may be more available because the system does
22 not have to be pushed.

23 But this is -- or less actually. In actual
24 operation we can have energy production less than this but
25 that's because the system did not require it. But whenever

1 this -- it is actually required to push the system, this is
2 what we can get.

3 MR. BOB PETERS: So your -- would you agree
4 with me that anything you want to commit to in a firm export
5 would have to be over and above what your minimum
6 availability is as shown on Tab 8?

7 MR. HAROLD SURMINSKI: Yes, that's right.

8 MR. BOB PETERS: Can you tell the Board how
9 you arrived at the number of gigawatt hours of energy
10 available for firm export?

11 MS. PATTI RAMAGE: Mr. Peters, if I could
12 just interject here. I'm going to -- I was confused and I
13 just want to ensure that the Panel doesn't share my
14 confusion. I was looking at Tab 8 when in fact what Mr.
15 Surminski is referring to is MIPUG Round 1, I believe it's
16 dash 17 not the document at Tab 8 which is a capacity
17 document.

18

19 CONTINUED BY MR. BOB PETERS:

20 MR. BOB PETERS: Thank -- thank you for that
21 clarification, Ms. Ramage. And I do -- I do apologize. Page
22 3 of 5 of the interrogatory was not included in the brief.
23 Page 2 of 5 was and you are correct, page 2 of 5 talks about
24 capacity. The energy numbers are found on the interrogatory
25 page 3 of 5.

1 But for discussion purposes I think we
2 translate do we, Mr. Surminski, from the capacity document
3 over to the energy document? Is that how you've -- you've
4 done it?

5 MR. HAROLD SURMINSKI: I have -- yeah, we can
6 generally talk about the concepts in the same way. But, I
7 actually have pulled out the energy document I've got in
8 front of me.

9 MR. BOB PETERS: Okay, well recognizing you
10 have page 3 of 5 of interrogatory MIPUG Manitoba Hydro, First
11 Round 17, can you explain to the Board how you arrive at the
12 number of gigawatt hours or energy available for firm export?

13 MR. HAROLD SURMINSKI: Just -- first of all,
14 for clarification, if you've got 3 of 5, I believe that's the
15 part with DSM, not our forecast DSM, but no DSM. And I think
16 5 of 5 is really our -- for our more appropriate forecast.

17 MR. BOB PETERS: All right, thank you.
18 Please continue then.

19 MR. HAROLD SURMINSKI: Sorry, what was the
20 question now?

21 MR. BOB PETERS: The -- the question was for
22 you to explain to the Board how Manitoba Hydro arrives at the
23 number of gigawatt hours of energy available for firm
24 exports?
25

1 (BRIEF PAUSE)

2
3 MR. HAROLD SURMINSKI: Yes, the firm exports
4 are -- are the further firm exports available are the
5 surpluses after the balance between our total supply is
6 netted against our demand.

7 So, all our demand, including DSM, including
8 existing firm export sales, are indebted against our firm
9 resources. So, that's what the table does. And the bottom
10 line is -- is the surplus that's available for further firm
11 sales.

12 MR. BOB PETERS: Does Manitoba Hydro commit
13 to firm sales in excess of the bottom line on Table 4, page 5
14 of 5 of MIPUG Manitoba Hydro, First Round 17?

15 MR. HAROLD SURMINSKI: No, Manitoba Hydro
16 does not commit to anymore than that.

17 MR. BOB PETERS: Why is that?

18 MR. HAROLD SURMINSKI: Because those are --
19 are dependable, or are guaranteed surpluses that we may have
20 available.

21 MR. BOB PETERS: Mr. Surminski, yesterday, if
22 I recall, there was generated in the drought year, only
23 eighteen thousand five hundred (18,500) gigawatt hours of
24 energy. Did I recall that correctly?

25 MR. HAROLD SURMINSKI: Yes, that's correct.

1 MR. BOB PETERS: And if there were eighteen
2 thousand five hundred (18,500) gigawatt hours of energy in
3 2004, I see from your Table again on page 5 of 5 of MIPUG
4 Manitoba Hydro First Round 17, that there would be available
5 approximately twenty-one thousand one hundred and seventy
6 (21,170) gigawatt hours. Correct?

7 MR. HAROLD SURMINSKI: That's correct. I can
8 explain that.

9 MR. BOB PETERS: Well, that was my next
10 question is, you're telling the Board, just so we understand
11 the context, that for dependable hydraulic energy, you have
12 twenty-one thousand one hundred and seventy (21,170) gigawatt
13 hours. So you can do that -- you can generate that in the --
14 in the worst year of water flows. Correct?

15 MR. HAROLD SURMINSKI: Yes. The twenty one
16 one seventy (21,170).

17 MR. BOB PETERS: All right. And then in
18 2004, you didn't generate that much. You generated only
19 eighteen thousand five hundred (18,500) gigawatt hours. Why
20 was that?

21 MR. HAROLD SURMINSKI: That's relates back to
22 what I was just talking about a few minutes ago. Where we
23 did not have to push the system in 2004. We did not require
24 having the additional energy and storage.

25 So, they are dependable situation is where we

1 have a higher load than we had in 2004, a higher domestic
2 load, plus firm sales. When we ever -- whenever we have that
3 higher load situation, we have to protect our energy and
4 storage and make sure that we have sufficient energy in
5 storage before the onset of that worst case.

6 In 2004, we did not require that. We -- we
7 had surplus in our system so we did not have to push the
8 system to the limit. So that is why the generation was less.

9 MR. BOB PETERS: Could you have used some of
10 that energy in storage and used that instead of going to the
11 export/import market?

12 MR. HAROLD SURMINSKI: That is another way of
13 operating the system. Is keeping water, is keeping water in
14 storage but it is not necessarily the most economic because
15 keeping water in storage places Manitoba Hydro at risk of
16 having to spill it at a later time should high flows come
17 along.

18 If you're -- if you've got higher reservoir
19 elevations at all times, whenever you've got high inflows
20 into your system you have the -- the chance that you will not
21 be able to utilize all of your inflows coming into your
22 system and -- and you may spill it. So, it -- it is not the
23 most prudent thing to -- to keep storage in reservoirs high
24 at all times.

25 MR. DAVID CORMIE: Mr. Peters, maybe I can

1 help out here. The -- the numbers that are on the table that
2 you've been referring to are the capability of the power
3 system. And the analogy is, if you fill your gas tank in
4 your car completely full, how far can the car go on a tank of
5 gas and let's say it was a thousand kilometres.

6 It may be a very expensive ride now but -- so
7 the capability of your car is -- with a full tank of gas is
8 to go a thousand kilometres. So, the table that Mr.
9 Surminski is saying is that if you have your reservoirs full
10 at the onset of a drought and you're willing to empty the
11 reservoirs or use up all the gas in the gas tank that the
12 capability of the power system hydraulically is twenty-one
13 thousand one hundred and seventy (21,170) gigawatt hours.

14 That assumes that -- presumes that at the end
15 of your trip you want to have no gas in your -- in your gas
16 tank; you want to have your reservoirs empty. And from the
17 planning context, we have a historical flow record that only
18 has one worst drought on record and the planning criteria
19 says all we have to do is plan to protect against that
20 drought.

21 And the planners have the ability to -- to say
22 once that drought is over, we don't have to worry about it
23 because the -- the next year after the worst drought on
24 record is a recovery; 1941, 1942 river flows improve.

25 And so from a planning perspective, for the

1 purposes of determining dependable capability they draw the
2 reservoirs empty and because they have -- they have perfect
3 knowledge that the next year will be a recovery.

4 From an operating perspective, we don't know
5 what the next year will be. We don't know that this will be
6 the -- whether this will be the worst year on record or
7 whether actually next year will be the worst year on record
8 and that the res -- the water that's in storage has to be
9 hoarded so that you can get through next year.

10 We're lucky this year was only the third on re
11 -- worst on record. What happened if it would have been the
12 worst on record or a new wo -- worst record.

13 So, we cannot use up reservoir storages on the
14 hope that the drought will be over at the end of the winter,
15 that rains will come. We have to use reservoir storage as
16 the last resort to serve load and -- and that's the planning
17 people are also doing in their -- in their planning tables,
18 they only draw that water out of storage because their
19 computer model says I have no other choice, I have no other
20 sources of supply available. I've already maxed out my
21 import capability, my thermal generation and the only way I
22 can serve load is to drain reservoirs.

23 From an operating perspective, we do exactly
24 the same thing. We do not use the reservoir storage, the
25 reserves that are held, unless we're absolutely forced to

1 because -- because there is the risk that conditions will be
2 worse in the subsequent year.

3 And so when we have an option of purchasing
4 power rather than draining reservoirs, we use that and that's
5 what we did this year. Had there been no import power
6 available in the marketplace, had we not been able to
7 purchase the 8 million megawatt hours.

8 Let's say, for example, that our purchases had
9 been limited to 6 million megawatt hours. Manitoba Hydro
10 would have been forced to draw 2 million megawatt hours out
11 of storage. Hydraulic generation in that case, instead of
12 being eighteen thousand five hundred (18,500) gigawatt hours
13 would have been twenty thousand five hundred (20,500)
14 gigawatt hours because we would have had no option except to
15 drain reservoirs to keep the lights on in Manitoba.

16 But that would not be a decision that we would
17 have any choice. We would have to say, well, is it better to
18 have water in reservoirs or have -- keep the lights on in
19 Manitoba.

20 In the case where we -- we didn't have the
21 ability to purchase, we would have drawn reservoirs down,
22 increased hydraulic generation. The -- the best that we
23 could have done under that circumstance would have been
24 twenty-one thousand one hundred and seventy (21,170) which is
25 the capability of the system. We -- we couldn't draw more

1 water out of storage than the system is capable of.

2 So eventually, if the drought had been worse
3 and our import capability had been less, there's a scenario
4 where there potentially been shortages of electricity in the
5 Province.

6 MR. LEN EVANS: I wonder if I could just ask
7 a supplementary question, just for my own edification.

8 How many -- this will show that my great
9 ignorance of Manitoba Hydro, but how many storage reservoirs
10 do you have? And what are the most -- two (2) or three (3)
11 of the most significant storage reservoirs?

12 MR. DAVID CORMIE: There are three (3) major
13 reservoirs in Manitoba that Manitoba Hydro controls. Those
14 are -- are Lake Winnipeg, which contains about half the li --
15 half the storage in Western Canada that Manitoba Hydro
16 depends on, Cedar Lake, at the Grand Rapids generating
17 station and Southern Indian Lake in -- in Northern Manitoba.

18 There are eighteen (18) reservoirs across
19 Western Canada that -- that contribute to the transfer of
20 energy throughout the year. But there are only three (3) in
21 Manitoba -- three (3) major ones in Manitoba that -- that
22 Manitoba Hydro has complete and -- and full control over and
23 we can manage -- manage for power system operation.

24 MR. LEN EVANS: Just a second supplementary
25 then. Therefore without the significant reservoirs that we

1 have in Manitoba, the export opportunities would be
2 considerably different than they have been.

3 MR. DAVID CORMIE: Yes, the -- the reservoirs
4 allow Manitoba Hydro to shift water from periods when it's
5 surplused to periods when it's -- when we're -- when we're
6 short.

7 And -- and we do that from a planning
8 perspective, we assume that by holding water back in storage
9 and only draining those reservoirs during periods of very low
10 flow, that improves the dependable capability. And -- and by
11 having a higher dependable capability allows us to enter into
12 more long term firm export sales.

13 MR. LEN EVANS: Just by way of comment, and
14 then I'll shut up. But there was a big controversy in
15 Manitoba in the '60's and '70's whether to go with a high
16 level or low level diversion. And Hydro was going to go with
17 a high level diversion which would not have included Lake
18 Winnipeg.

19 So, it's really interesting, going to the low
20 level, has given us the Lake Winnipeg asset, if you will.
21 And has contributed, I believe, to the export ability of
22 Manitoba Hydro. I hope that's correct.

23 MR. DAVID CORMIE: Yes, with Lake Winnipeg
24 regulation we're now able to utilize the storage and control
25 the levels of Lake Winnipeg. With high level diversion and

1 Lake Winnipeg left unregulated, it would have been, you know,
2 it wouldn't have been under control and we couldn't not -- we
3 could not have used it to firm up our dependable capability.

4 MR. ROBERT MAYER: Mr. Cormie, why don't you
5 count Lake Manitoba and Lake Winnipegosis as part of the
6 reservoir? I -- I was looking again at the map and I -- I
7 still think I'm correct that the only flow out of Lake
8 Manitoba and Lake Winnipegosis is into Lake Winnipeg out
9 through the Fairford River and etcetera.

10 And I know that there is a control structure
11 at the Fairford River. I don't know who controls that, but I
12 wonder why we don't consider Lake Winnipeg -- or sorry --
13 Lake Manitoba and Lake Winnipegosis as part of the water that
14 may well be accessible to us?

15 MR. DAVID CORMIE: Manitoba Hydro recognizes
16 that there is storage in those; Lake Manitoba as a reservoir
17 and Lake Winnipegosis, it's not a reservoir. It's part of
18 our -- our consideration when we look at the water supply.

19 However, the Province of Manitoba regulates
20 Lake Manitoba and Lake Winnipegosis is not regulated. It's
21 still in a natural -- natural condition. So, there -- we
22 have no ability -- neither Manitoba Hydro or the Province to
23 change the outflows in and in effect use -- utilize Lake
24 Winnipegosis as a reservoir.

25 MR. ROBERT MAYER: Am I -- I am correct,

1 aren't I, that Lake Winnipegosis actually drains out through
2 Lake Manitoba?

3 MR. DAVID CORMIE: Yes, you are correct.

4 MR. ROBERT MAYER: Thank you.

5 MR. HAROLD SURMINSKI: Mr. Peters. Just
6 where we were, when I started the discussion and Mr. Cormie
7 took over and it sounded like -- like there was two (2)
8 different aspects and there actually were.

9 I was talking about the upper end of the
10 storage range, when I'm saying, how much storage there is
11 when you start the drought.

12 Mr. Cormie was talking about the end of the
13 drought, where the level is when you -- after the end of the
14 year.

15 So really, there are the two (2) factors of
16 why the numbers of eighteen thousand five hundred (18,500)
17 and twenty-one one seventy (21,170) are different.

18 I was talking about the -- we have in our
19 planning, more storage at the start of the period and Mr. --
20 and -- and in our assumption, as Mr. Cormie has indicated, we
21 drained down to a minimum, so that gives us a wider range.
22 We start with more storage and we drain more out of the
23 lakes, so it gives us more utilization of storage in that
24 year.

25 Mr. Cormie is saying, well, in operations they

1 can't even go down or they don't think it's prudent to go
2 down to that lower limit. So, he's taking -- leaving some of
3 that storage available for the future.

4 So, that's -- it's -- it's at both ends. It's
5 at the upper range that some of the storage is not being
6 utilized in that eighteen five (18,5) and also at the bottom
7 end.

8 MR. DAVID CORMIE: And I think, Mr. Peters,
9 maybe just to close on this or to try and clarify it simply
10 is that we -- we -- we had the capability of generating
11 twenty-one thousand one hundred and seventy (21,170) last
12 year. We chose not to.

13 And we chose to hold back water and storage
14 because of the uncertainty of the -- of future water
15 supplies, that -- how long the drought would last and out of
16 concern, you know, being able to meet the domestic load
17 should the drought have continued.

18 So, I don't think there's an inconsistency.
19 It's -- it's a choice as system operators that we make in
20 managing the risk of future supply.

21 From an energy inflow perspective, if you were
22 to -- if you were -- if you were not to consider reservoir
23 storage, the water supply without manipulation through
24 storage is around -- under the lowest flow conditions is
25 around sixteen thousand (16,000) gigawatt hours a year.

1 We use storage -- the storage capability of
2 the system to get the -- it up to twenty-one thousand one
3 hundred and seventy (21,170) but there's only -- and in the
4 worst case, there's only sixteen (16) -- about sixteen
5 thousand (16,000) gigawatt hours of energy from inflows.

6 MR. ROBERT MAYER: Then isn't that your real
7 dependable power?

8 MR. DAVID CORMIE: That's the -- that's the
9 energy -- that's the water resource that's available. We can
10 -- we can improve on that through the mer -- through wa -- by
11 -- by operating the reservoirs to -- to take water out of
12 reservoir storage to add to that.

13 MR. ROBERT MAYER: But that's dependable power
14 only for one year because after that, if you don't replace
15 those reservoirs, eventually you have nothing left but what
16 is flowing into the -- into the reservoirs and out of the
17 reservoirs on a -- on a flow through basis to the turbines?

18 MR. DAVID CORMIE: That's correct. Reservoirs
19 do not create energy. They're just -- it's like a bank
20 account. They're just -- they're just a pla -- they're just
21 a holding. They don't create any -- any additional supply.
22 The -- the water supply is only about sixteen thousand
23 (16,000).

24 Now, you can move water from one year to the
25 next through the storage but you can't create it with -- with

1 -- with storages.

2

3 CONTINUED BY MR. BOB PETERS:

4 MR. BOB PETERS: I think the point I want to
5 focus on, Mr. Cormie, is that Manitoba Hydro chose to hold
6 water in storage and import electricity rather than use the
7 water in storage, correct?

8 MR. DAVID CORMIE: That's correct.

9 MR. BOB PETERS: And that decision was made by
10 the system operators which is your group?

11 MR. DAVID CORMIE: That's correct.

12 MR. BOB PETERS: Can you just tell the Board
13 briefly, how that decision is -- is made? Is that a daily
14 decision? Is that weekly? Is it monthly? Is it seasonal?

15 MR. DAVID CORMIE: Manitoba Hydro uses a
16 planning -- an operational planning process that I referred
17 to the other day about weekly updating.

18 As we came into the spring of -- came through
19 the winter of 2003, coming into the spring of 2003 and we
20 were finalizing our operational plans, we consider the
21 possibility that river flows in the -- in the year are -- are
22 going to be low.

23 And we developed -- we have criteria that says
24 that we need to survive the existing drought and we need to
25 be able to carry on and serve load in the following year, as

1 well. We planned for a severe winter in Manitoba.

2 The -- the load forecast that we're provided
3 with is the load forecast assuming normal weather. It's --
4 it would be imprudent just to assume normal weather, so we
5 assume an extreme winter.

6 So, we have a planning process that makes an
7 assumption on extreme loads, makes an assumption on water
8 supply. And -- and we have to be cert -- almost certain that
9 under that set of extreme assumptions that we can serve the
10 -- the load.

11 We don't make the assumption that the drought
12 will be over at the end of the year. We assume that the
13 drought will continue and so we -- we manage our reservoirs
14 so that at the end of the current year that if the drought
15 were to continue that we have the capability in the following
16 year to continue to serve load at the -- at -- as requested.

17 That analysis is updated each week. We adjust
18 our reservoir -- our targets each week, our reservoir
19 releases each week and -- and we look at our requirements for
20 purchase power each week and we start going to the forward
21 markets and start covering some of those positions on a
22 gradual basis.

23 For example, in -- at the first of June last
24 year we were looking under our base case analysis for
25 December deliveries and we were short one thousand eight

1 hundred (1800) megawatts of electricity.

2 So, in June we don't go out and buy one
3 thousand eight hundred (1800) megawatts of electricity for
4 December delivery. We would lay on about one sixth of those
5 positions in the month of June for December delivery, go
6 through the analysis each week for the month of June and then
7 in July reevaluate and go to the market again to cover off
8 our position.

9 So, gradually laying on the purchases required
10 so that once we do get to the winter, that we have sufficient
11 resources available to serve load.

12 So, it's a routine rigorous analysis that
13 takes place beginning with an update of water conditions and
14 -- and that drives our -- our analysis that ultimately leads
15 to the decision to purchase power, or in the years -- in most
16 years when we have adequate water supplies the -- the sale of
17 the surplus energy in the external market.

18 MR. BOB PETERS: That decision that you make
19 is continuously reviewed as I understand from your answer. I
20 take it you report that regularly through management up to
21 the executive offices?

22 MR. DAVID CORMIE: Yes, our senior management
23 is kept informed of our operational decisions through regular
24 reporting.

25 MR. BOB PETERS: Does senior management ever

1 overturn operational decisions of this magnitude?

2 MR. DAVID CORMIE: I'm in constant
3 communication with -- with my vice-president and we discuss
4 the risks of operating the power system and -- and I take my
5 -- I take advice from my executive.

6 MR. BOB PETERS: Mr. Cormie, would I be
7 correct -- and -- and let me preface this next question by
8 saying, I appreciate you -- your office doesn't have a rear
9 view mirror in it and that you can't operate what you do in
10 hindsight. And I think we all are clear in this room that --
11 that you only see the movie from the beginning and you don't
12 get to rewind it.

13 So, with all those qualifications you now have
14 to consider whether or not the decision not to draw down the
15 reservoirs was good, bad or indifferent. Correct?

16 MR. DAVID CORMIE: Correct. MR. BOB
17 PETERS: And that's a process that Manitoba Hydro would do
18 internally; is that also correct?

19 MR. DAVID CORMIE: That's correct.

20 MR. BOB PETERS: Is that something that you
21 personally do or is it something that colleagues in your
22 department do?

23 MR. DAVID CORMIE: I -- I think, Mr. Peters,
24 the answer to that is that -- that we have an operation
25 planning criteria that we've established that's not risk

1 free. The -- in -- in setting our plans in place, the advice
2 I gave to my executive is that I was 95 percent sure that we
3 will have adequate supply to serve the load.

4 And that -- that -- and that's the level of
5 certainty that I operated the power system to . There is
6 residual risk there. There are -- there's catastrophic risks
7 that's possible. But I told my executive that the lights
8 with Manitoba will stay on. And -- and I indicated them --
9 to them the level of risk that I was taking in operating the
10 power system.

11 Our customers need to know with certainty that
12 -- that we will not get into an emergency situation. And
13 that's -- you know, we -- we -- we've seen the problems that
14 occur in Montreal with the ice storm a few years ago, how the
15 loss of electric supply for an extended period of time
16 creates a -- has a catastrophic effect on society.

17 And -- and so we do have -- we do operate in a
18 very conservative mode recognizing the importance of -- of a
19 continued supply, and that we should not be in crisis.

20 And to draw reservoirs down puts the power
21 system in a state -- potential state of crisis if we guess --
22 if we've -- if we've assumed that the drought is over and it
23 is not over.

24 And -- and so, going back to your question of
25 -- of the criteria, we -- we review our planning criteria and

1 our objectives with our executive. We're -- we're given the
2 authority to operate the power system according to that. And
3 then to look back in hindsight and say, did you do the right
4 thing, is only valuable in -- in -- into the extent that are
5 the criteria correct?

6 And -- and I think that's what we've done.
7 Everybody was comfortable with the criteria and -- and we
8 followed the criteria rigorously and there were some
9 financial impacts from that. But we believe that the
10 trade-off of less reliability was unacceptable. And -- and I
11 don't think anyone has any regrets for -- for setting a very,
12 very high standard of reliability of supply.

13 MR. BOB PETERS: Thank you for that answer.
14 You say that operating is not without risk and to some extent
15 what I hear you saying is that the -- the risk that Manitoba
16 Hydro was prepared to expose itself to, had a financial
17 consequence more so than a consequence of no lights working
18 for your customers.

19 MR. DAVID CORMIE: Yes, that's the -- that's
20 the trade-off.

21 MR. BOB PETERS: And the -- the trade-off was
22 financial impacts versus reliability and that's one that you
23 have to make regularly, correct?

24 MR. DAVID CORMIE: We routinely operate the
25 power system according to a consistent standard. We do not

1 change the standard routinely.

2 MR. BOB PETERS: You do evaluate the standard
3 routinely? Would that be true?

4 MR. DAVID CORMIE: We evaluate our operations
5 routinely. I -- we're not -- we're not constantly reviewing
6 our criteria, no.

7 MR. BOB PETERS: You say that you did have an
8 opportunity to use hindsight and to make sure your criteria
9 were correct. Did I understand that correctly?

10 MR. DAVID CORMIE: I said that, yes.

11 MR. BOB PETERS: Did -- did Risk Advisory of
12 Calgary have an opportunity to also use their hindsight
13 review on your criteria and your operations?

14 MR. DAVID CORMIE: No. Risk Advisory wasn't
15 requested to give us their opinion on a -- the level of
16 reliability that we operate the power system. They were only
17 asked to look at the options that Manitoba Hydro might use to
18 hedge some of the financial risk.

19 MR. BOB PETERS: In your review, Mr. Cormie,
20 of the -- of the year passed, would it be correct to say that
21 if you knew then, what you knew now, you could have moderated
22 some of the financial consequences that befell Manitoba
23 Hydro?

24 MR. DAVID CORMIE: I -- I think with perfect
25 foresight, yes, absolutely. Because I would know now that

1 the Red River was going to go into flood. That the Winnipeg
2 River was going into flood and that my concern for a
3 continued drought would -- would not be there.

4 It only started to rain on March the 28th of
5 this year. Up to March the 28th, it looked like it was going
6 to be -- the drought was going to continue. And Manitoba
7 Hydro cannot operate the power system on hope. We have to
8 have a plan that says under the worst reasonable set of
9 conditions the lights are going to stay on. And so it's --
10 so -- I think that's -- that's the issue -- is if -- the
11 responsible way for the power system is to always have a -- a
12 plan that says under the worst reasonable set of
13 circumstances, will service continue?

14 And -- and I don't think there's anyone would
15 disagree that that would be the prudent way to operate the
16 system.

17 Hindsight is perfect. It's -- it's
18 interesting and -- and remember when you operate with 95
19 percent certainty, 95 percent of the time, you're going to
20 have more resources available, but you're protecting against
21 the 5 percent of the time when conditions are going to be
22 worse than what you're assuming.

23 So, financially we knew that there was some
24 tremendous costs to be incurred from -- for this -- but those
25 costs were being incurred we wanted near certainty and that,

1 in hindsight, some of those costs would -- could have been
2 reduced, if -- if we had certainty about it -- perfect
3 knowledge, but we don't.

4 And that's the cost of reliability.

5 MR. BOB PETERS: That's a -- that's a very
6 good answer, from my perspective, Mr. Cormie. I take it that
7 when you say "costs could be reduced" you've attempted to
8 quantify how much that could be with your perfect 20/20
9 hindsight which we know didn't exist when these decisions
10 have to be made.

11 MR. DAVID CORMIE: Well, I think the example
12 is -- is going back to the tables that Mr. Surminski is
13 looking at, where the capability of the power system is
14 around twenty-one thousand (21,000) gigawatt hours. And we
15 -- we only generated eighteen thousand four hundred (18,400).

16 So, clearly, there's another -- there was --
17 there were several thousand gigawatt hours in storage, let's
18 say 2 million megawatt hours. If would have taken that to
19 the market and avoided purchases, you could have avoided the
20 costs of, you know, several -- maybe a \$100 million dollars
21 worth of -- of expense.

22 And -- you know, so there -- there is a
23 significant cost to -- to doing what we did. But the -- but
24 Manitoba Hydro has planned for that. We've built up reserves
25 knowing that these are some of the costs that need to be

1 incurred and we -- we have done our -- we have kept our house
2 in order in that those reserves were there and the intent was
3 to cover the cost of drought.

4 And it -- it's not that I've operated
5 inconsistent with the financial plans of Manitoba Hydro. I
6 think our operations and our financial planning are all --
7 are all linked together. They all assume that we will do
8 what we did and...

9 MR. BOB PETERS: Just to follow back on a
10 question, Mr. Cormie, that -- who's your vice-president, by
11 the way?

12 MR. DAVID CORMIE: My vice-president is Mr.
13 Ken Adams.

14 MR. BOB PETERS: All right. And you said
15 that Mr. Adams was, in my words, kept in the loop as to what
16 was going on from an operations perspective.

17 MR. DAVID CORMIE: And -- and not only Mr.
18 Adams. I'm in routine communication with the Executive
19 Committee and with the President.

20 MR. BOB PETERS: Is that through Mr. Adams or
21 is that directly to those committees?

22 MR. DAVID CORMIE: I present to the Executive
23 Committee as a whole.

24 MR. BOB PETERS: Can you -- can you tell this
25 Board as to whether from the operations perspective you

1 thought you would be consistent with the criteria established
2 to operate in a certain function, but the -- but you were
3 overruled on that from the Executive?

4 MR. DAVID CORMIE: I -- I wasn't overruled by
5 the Executive. The Executive supported the -- the
6 operational decisions that were being made and the risks that
7 Manitoba Hydro were taking.

8 MR. BOB PETERS: What you're really saying is
9 that you -- you establish the criteria and the blue print as
10 to how to operate under various circumstances, and when those
11 difficult circumstances arise, you stick to your plan that
12 was prepared before that situation arose?

13 MR. DAVID CORMIE: Yes, we -- we take our
14 risk tolerances to the Executive. The Executive has the
15 opportunity to challenge those, to -- to direct me to take
16 more risk or to take less risk.

17 I receive support for the risk levels that I
18 was taking and I was told to continue following the plan and
19 the criteria that were established.

20 MR. BOB PETERS: And does it follow then, Mr.
21 Cormie, that the executive would have been aware from the
22 financial impacts side of the occasion to protect the system
23 reliability in future years?

24 MR. DAVID CORMIE: Yes, the executive was
25 aware of the -- of the financial costs.

1 MR. BOB PETERS: And that is the executive
2 would be aware that if there was two thousand (2,000)
3 gigawatt hours left in storage or twenty-six hundred (2600)
4 gigawatt hours left in storage that the cost of those -- of
5 leaving that in storage was -- was quantifiable at the time
6 those decisions were made?

7 MR. DAVID CORMIE: I can't speak for what the
8 executive was aware of. I've --

9 MR. BOB PETERS: You -- you didn't inform them
10 that by leaving twenty-six hundred (2600) gigawatt hours of
11 energy in storage Manitoba Hydro is going to have to go to
12 the market for that twenty-six hundred (2600) gigawatt hours.
13 And the market's at five (5), six (6), seven (7), eight (8)
14 cents and therefore it's \$160 million dollars or \$100 million
15 dollars of additional costs?

16 MR. DAVID CORMIE: We -- we made the executive
17 aware that our criteria was to get through 2003 and '04 and
18 to have this power system in a state to survive continued
19 drought in 2004/05 and -- and...

20

21

(BRIEF PAUSE)

22

23 MR. DAVID CORMIE: Mr. Peters, maybe a good
24 example was the -- is the effect on storage. Ms. Wray had
25 talked about how the drought started and that there were some

1 costs incurred -- drought costs incurred in 2002/03.
2 Manitoba Hydro could have drawn more water out of storage in
3 2002/03 and increase the bottom line.

4 Net revenues would have increased because we
5 would have deferred some power purchases in the winter of
6 2002 but that would have meant that coming into this year,
7 reservoirs would have been lower and so -- and so the expense
8 this year would have been higher.

9 So, let's say example that -- that there \$50
10 million dollars of -- of power purchases incurred -- avoided
11 in 2003 in the first year by drawing reservoirs down. That
12 \$50 million dollars is now not available in the second year
13 of the drought.

14 So, it's -- as I said before, this is -- this
15 is an issue of cash flow. Storage does not create energy.
16 It just affects the -- the time in which the expense hits the
17 bottom -- in -- the year in which the expense hits the bottom
18 line and so you can't -- the costs are there, they have to be
19 incurred. The question is do they get incurred in the first
20 year or the second year or the third year. Storage does not
21 -- does not come -- does not create energy that's -- it --
22 the energy comes from the rain fall.

23 So, we could have -- we -- we could have
24 mitigated -- we could have taken more risks in 2000 and -- in
25 2003/04 by drawing reservoirs down. And let's do the

1 hypothetical qu -- answer again and we avoided \$50 million
2 dollars worth of purchase. There would be then the \$50
3 million dollars less water in reservoir storage coming into
4 this year.

5 And so me -- and so if you had asked me, are
6 we going to meet our \$471 million dollar target this year
7 under median flow conditions I would say no because we've
8 already spent that water. That water was used last year.
9 So, you can't increase the bottom line in one year without
10 affecting the bottom line in the next year.

11 MR. BOB PETERS: Thank you for that. Since you
12 brought up the previous years, can you indicate whether
13 Manitoba Hydro drew down its Lake Winnipeg storage in 2002?

14 MR. DAVID CORMIE: We did.

15 MR. BOB PETERS: And do you know by how much?

16 MR. DAVID CORMIE: I -- I believe we came into
17 the spring of 2003 with reservoir storages in the system
18 approximately -- normally, energy in reservoir storage at the
19 end of the year is around 10 million megawatt hours and we
20 brought in storages at the end of 2002/03 at 6 million.

21 So, there were four (4) -- we were 4 million
22 megawatt hours below average coming into the -- into the
23 spring of 2003. And again, because Lake Winnipeg is about
24 half the system's storage, most of that was because Lake
25 Winnipeg was drawn in -- in the previous year.

1 MR. BOB PETERS: In terms of how much it was
2 drawn down in feet, would you have that information? Or can
3 you translate that into feet for me?

4 MR. DAVID CORMIE: We don't operate -- we
5 operate based on an aggregate, Mr. Peters, so I think the
6 relevant number is -- is in megawatt hours. And -- and we
7 measure the storage in the system as a whole because we have
8 the choice of either drawing Lake Winnipeg down or Cedar Lake
9 down. And there's an interaction between our -- we -- we
10 ensure that there's enough water in all the reservoirs.

11 And I believe Lake Winnipeg came into the
12 spring last year at seven twelve point two (712.2). It was
13 -- and it was drawn -- it was drawn throughout this year and
14 it reached a low of a seven eleven point three (711.3) in
15 January and we came into the spring probably around seven
16 twelve point zero (712.0). So, we reached a low late in
17 December and -- and it came up through -- through the late
18 winter this last year.

19 MR. BOB PETERS: All right, since you're
20 quite conversant to that, in 2003 you're -- you're indicating
21 you also drew down Lake Winnipeg?

22 MR. DAVID CORMIE: Lake Winnipeg was drawn
23 throughout the year and -- and it was only refilled in the
24 late -- in the late winter.

25 MR. BOB PETERS: And again, do you know how

1 much it was drawn from -- and I was just getting to learn
2 gigawatts, but back to megawatt -- megawatt hours?

3 MR. DAVID CORMIE: Well we -- we started out
4 at seven twelve point two (712.2) the reservoir was drawn to
5 a low of seven eleven point three (711.3); that's about point
6 nine (.9) feet. There's two -- 2 million megawatt hours per
7 foot so that would be about 1.8 million megawatt hours was
8 drawn out of Lake Winnipeg storage.

9 However, at the same time Cedar Lake was
10 operated in a different fashion and so it's really the --
11 it's sum of all -- all the reservoir operations that's --
12 that's important.

13 MR. BOB PETERS: Okay. But while I'm
14 sticking with Lake Winnipeg, then in 2004 was it kept
15 relatively stable in the drought year?

16 MR. DAVID CORMIE: This is 2004, sir. Right
17 now with the La -- right now Lake Winnipeg is up around seven
18 fourteen point two (714.2).

19 MR. BOB PETERS: Okay. Ms. Wray has got me
20 talking fiscal years, but I was thinking of -- I don't know
21 if we can convert from fiscal year to megawatts. But let's
22 start with -- but I meant -- I meant fiscal 2004, Mr. Cormie,
23 I apologize.

24 MR. DAVID CORMIE: I -- I was referring to
25 2004 -- in '03/'04. At the beginning of '03/'04 Lake

1 Winnipeg was at seven twelve point two (712.2). It was drawn
2 all summer long and it reached a low at -- at probably
3 mid-winter. And then coming into this spring between January
4 and -- and the end of March it was re-ponded a modest amount.
5 And the Lake now is at seven fourteen point two (714.2) feet
6 and...

7 MR. BOB PETERS: You mentioned to the
8 Vice-Chair in some of your discussions that you have
9 authority over the Lake in terms of how you draw it down;
10 that is, Manitoba Hydro unilaterally makes those decisions?

11 MR. DAVID CORMIE: Manitoba Hydro has a
12 license from the Province of Manitoba. The -- when the level
13 is between elevation seven hundred and eleven (711) feet and
14 seven hundred and fifteen (715), Manitoba Hydro has the right
15 to regulate the outflows from the Lake for power purposes.

16 MR. BOB PETERS: And that tells me that you
17 could draw the Lake down to seven hundred and eleven feet
18 (711). I take that seven hundred and eleven feet (711) above
19 sea level, is that a measurement?

20 MR. DAVID CORMIE: Yes. Yes. So, if the
21 level of the Lake were to drop below seven hundred and eleven
22 feet (711) at that point, authority for the outflows reverts
23 to the Minister of Water Stewardship and he directs Manitoba
24 Hydro as to what the outflows will be.

25 MR. ROBERT MAYER: Just following on that and

1 I was going to ask this question. When you're talking about
2 your reservoirs and how much you actually have in reserve,
3 are you counting all of Lake Winnipeg or are you counting
4 Lake Winnipeg to seven eleven (711)?

5 MR. DAVID CORMIE: We -- we count it just to
6 seven eleven (711). There's still -- that seven eleven (711)
7 there's still sixty feet (60) of water in the lake so. But
8 -- but what happens, Mr. Mayer, is if you -- if the level
9 gets too low, the water can't go out of the lake because
10 there's restrictions at the outlet.

11 MR. ROBERT MAYER: I'm aware of that but you
12 fixed some of those restrictions when you did Lake Winnipeg
13 regulation with the two (2) channels and so I'm assuming that
14 you have some ability to get more water out of that Lake than
15 ordinarily used to be there.

16 MR. DAVID CORMIE: Yes, we can get 50 percent
17 more water out of Lake Winnipeg at almost -- at -- at seven
18 eleven (711) or at seven fifteen (715) because of the
19 channels.

20

21 CONTINUED BY MR. BOB PETERS:

22 MR. BOB PETERS: Mr. Cormie, reflecting,
23 during that answer that you and I may have disconnected in
24 our -- in our years. When you answered my questions about
25 drawing down of Lake Winnipeg storage, I think you were

1 referring to the beginning of the fiscal year, instead of the
2 end of the fiscal year; what I was referring to.

3 So, if -- I just want to take you back to
4 2002/03, I don't think you've answered my question as to
5 whether you drew the lake down in that year. Did you answer
6 that question?

7 MR. DAVID CORMIE: I -- I did answer that
8 question. I indicated that at the end of fiscal year 2002
9 and '03, that res -- energy and reservoir storage is
10 approximately 4 million megawatt hours below average. And --
11 and so I think -- I think I did answer.

12 MR. ROBERT MAYER: What is average? Average
13 isn't at seven fifteen (715), I take it?

14 MR. DAVID CORMIE: No, average is -- is just
15 the -- since Manitoba Hydro was able to control the flows out
16 of Lake Winnipeg and Southern Indian Lake in about 1977, so
17 we -- we start -- our -- our period of record for measuring
18 the contents of all the reservoirs goes back to that period
19 of time. So, we have about a twenty-eight (28) year record.

20 So, it's -- it's the average compared to the
21 twenty-eight (28) years since 1977.

22

23 CONTINUED BY MR. BOB PETERS:

24 MR. BOB PETERS: If I can just take you back
25 to the 2002/03 year, Mr. Cormie, and can you give us what

1 happened to the lake levels during that year, if you know
2 them off by heart?

3 MR. DAVID CORMIE: In the -- in the Spring of
4 -- of 2002, lake levels were relatively low. I think Lake
5 Winnipeg was probably at about elevation seven twelve point
6 one (712.1). And reservoir storage and the water sheds were
7 -- was -- was very low.

8 And then, as I indicated, the other day in my
9 testimony, on the weekend of June the 8th to 11th, we had
10 eleven (11) inches of rain in Southern Manitoba and in the
11 month of June we had a record -- a record recharge of
12 reservoirs and that brought Lake Winnipeg up to about seven
13 fourteen point one (714.1) by mid-July.

14 That was great, except that it stopped raining
15 in -- in July and we had very little rain fall thereafter
16 through -- and that resulted in reservoirs being drawn down
17 coming into the Spring of 2003.

18 MR. BOB PETERS: Thank you for that, Mr.
19 Cormie. I'm taking from -- from these discussions that the
20 impact on financial -- financially on Manitoba Hydro, I think
21 as Ms. Wray had -- had mentioned, was it yesterday, really
22 started before the drought year. And that's how you saw it
23 as well.

24 MR. DAVID CORMIE: Yes, the -- the financial
25 impact of -- of the current drought -- the drought started in

1 the Summer of 2002 and that's when we -- we stopped having
2 normal rainfalls.

3 And when we prepare our IFF in the Summer, we
4 assume that we will have normal rain throughout the Fall and
5 one (1) of the variations in our financial forecast in 2002
6 and '03 was as a result of having extremely low rainfall
7 during the fall of 2002. And so, that -- those dry
8 conditions carried over into 2003 with -- with the lack of
9 snow across Western Canada and the failure of the snow melt
10 run-off in the spring.

11 MR. BOB PETERS: Are you able to quantify in
12 -- in general terms again, for the Board, how the operations
13 and planning with the criteria that were in place to protect
14 reliability, may have had a financial impact on the
15 corporation?

16

17 (BRIEF PAUSE)

18

19 MR. DAVID CORMIE: I -- I think, Mr. Peters,
20 it's too soon to do that. You don't know if the -- if the
21 drought is really over. And, you know, we could -- we could
22 probably do some estimates. But the question is, what's the
23 value of the water that was left in reservoir storage?

24 And if the water in reservoir storage ends up
25 being spilled, the financial cost of the -- of the drought

1 will be -- of the reliability will be very high.

2 If the drought continues and we end up using
3 those storages to keep the lights on in Manitoba, the value
4 of -- there will be no cost. It will be -- it will have been
5 a wonderful foresight on my behalf to have held that water
6 back because it kept the lights on in the Province and the
7 value at that point would be infinite.

8 So, really we need to give -- we need to -- we
9 -- we can only say that the story isn't over year.

10 MR. BOB PETERS: What you can say is that as
11 the story develops, you continue to assess your criteria to
12 make sure that the planning and operations are complying with
13 the criteria that's been set out.

14 MR. DAVID CORMIE: I -- I think, Mr. Peters,
15 we -- we are all learning as we are going here and -- and
16 there are lessons to be taken from what we did in the last
17 year and -- and we will build that knowledge into our future
18 decisions.

19 MR. BOB PETERS: Mr. Cormie, it may be
20 helpful for the Board if -- if they could see the criteria
21 for your operational planning. Is -- is that available in a
22 document or a -- a brief of some kind that would be available
23 to the Board?

24 MR. DAVID CORMIE: We can prepare something,
25 yes.

1 MR. BOB PETERS: All right. Thank you. And
2 I'll ask that as an undertaking from Ms. Ramage.

3

4 --- UNDERTAKING NO. 9: Preparation of document showing
5 financial planning.

6

7 CONTINUED BY MR. BOB PETERS:

8 MR. BOB PETERS: Also it may be helpful to
9 understand the process that you go through, Mr. Cormie, and I
10 have to confess I don't -- I don't have committed to memory
11 your organizational chart of your company, but to understand
12 the -- the organizational path in which those decisions go
13 through and the -- the people involved in it would be also
14 probably helpful. Could that also be prepared?

15 MR. DAVID CORMIE: I can provide a general
16 organizational chart, yes.

17 MR. BOB PETERS: Thank you.

18 MS. PATTI RAMAGE: Mr. Peters, are you
19 looking for an org. chart or one specific to that decision
20 making function?

21 MR. BOB PETERS: Ms. Ramage, you -- your
22 latter part of your question is what I was looking for. The
23 -- the company has filed, in -- I think it was in Figure
24 2.2.1 an organizational chart at Page 9 of 12 and it's -- Tab
25 2 of your application is a -- is a general overview of the

1 organizational chart.

2 But in terms of the -- I'm getting more into
3 this area of system operation and -- and planning that I
4 think would be helpful to understand from the Board's
5 perspective.

6 Can I have an undertaking, Ms. Ramage?

7 MS. PATTI RAMAGE: Certainly.

8 MR. BOB PETERS: All right, I appreciate
9 that.

10

11 --- UNDERTAKING NO. 10: Provision of general
12 organizational chart

13

14 CONTINUED BY MR. BOB PETERS:

15 MR. BOB PETERS: Mr. Cormie, I'm looking at
16 my notes and -- and what you've told me and it -- am I
17 correct that Manitoba Hydro reduced its reservoirs prior to
18 the drought setting in, in summer of 2002 -- 2002/03?

19 MR. DAVID CORMIE: During -- during fiscal
20 2002 and '03 Manitoba Hydro drew the reservoirs down lower
21 than what we had anticipated in our -- in the IFF in order to
22 help offset some of the reductions in water supply that
23 occurred during the fall of 2002.

24 And so, that's one -- one way you can -- if
25 you have surplus energy in reservoir storage and that -- that

1 energy is available for economic dispatch.

2 We -- we set our I -- we set our IFF targets
3 in the summer of 2002. The rains that we had assumed would
4 occur in the fall of 2002 didn't occur, so we drew the
5 reservoirs to some extent, to help offset that reduction in
6 water supply, to help the Corporation achieve its financial
7 targets.

8 But there -- we weren't -- we -- we did not
9 draw them to -- to the point where it would threaten the
10 reliable supply of water in 2003. We drew them to the extent
11 that it was -- it was just a financial matter.

12 But having taken that water out of storage, in
13 -- in fiscal 2002 and '03 it was now no longer available to
14 help mitigate the cost of drought. And that was one of the
15 considerations that you -- you take is that you may take that
16 water to market and avoid some thirty dollar (\$30) purchases,
17 only to be faced with the following year, being a sixty
18 dollar (\$60) market and -- hmm, you know, hindsight is a --
19 is 20/20.

20 But again, when we make that decision, we look
21 at the expected value of the water in storage. And nine (9)
22 years out of ten (10) that water had -- would have much less
23 value than thirty dollars (\$30).

24 So, it -- on an expected value basis, it's the
25 right thing to do is to take the water out of storage early

1 than to leave it, because if you leave it, you always run the
2 risk of spillage and -- and the probability of drought is
3 low.

4 That's one of the factors that we considered
5 when we chose to take water out of storage in the spring in
6 -- in 2002 and '03 and -- and that replacing it in -- in 2003
7 and '04 if -- in a really a severe drought conditions, it
8 could be very expensive. But we don't know what the water
9 conditions are going in the future, so we can only look at
10 the expected value which considers the possibility of all
11 flow conditions occurring.

12 MR. BOB PETERS: All right and -- and you're
13 right, you don't know in advance. But to replace the water
14 that was drawn down in those reservoirs the subsequent year,
15 in 2003/04, I guess the financial records show that did --
16 that did prove to be costly?

17 MR. DAVID CORMIE: Yes, it did. Yes, yeah.

18 MR. BOB PETERS: And that was one of the risks
19 that was known in advance but again you -- you say that you
20 were within the criteria that you've established for your
21 planning purposes and that's how you continued?

22 MR. DAVID CORMIE: Right. We -- it's a
23 calculated and in a calculated risk, there are -- there are
24 outcomes that are positive and there are outcomes that are
25 negative and -- and on average, if it's -- under all

1 conditions, if the decision on an expected value basis makes
2 economic sense, we would -- we would operate that way,
3 knowing that you can make a good decision and at times have a
4 bad outcome.

5 MR. BOB PETERS: That's fair. Do I take from
6 the answers you've given me, sir, that -- that in the last
7 few years you haven't had an independent review of how you
8 operate under various flow conditions to see if your criteria
9 are -- are considered by somebody independent to be
10 appropriate?

11 MR. DAVID CORMIE: No, we have had no
12 independent review. No.

13 MR. BOB PETERS: You indicated to me a few
14 minutes ago that -- that the Corporation is -- is learning
15 from the past year, correct?

16 MR. DAVID CORMIE: Yes.

17 MR. BOB PETERS: Can you indicate, when you
18 say learning, what -- what types of things are -- are you
19 learning from the experience that you had last year?

20 MR. DAVID CORMIE: Well, one of the risks that
21 we had not anticipated was the risk of shortage pricing that
22 -- that a lack of transmission capacity in southern MAPP to
23 bring power into the region to help serve our needs and which
24 would lead me to be more conservative in the future with
25 regard to my assumptions on my ability to import power.

1 MR. BOB PETERS: Just help me to understand
2 that. I'm going to use a little analogy here to gas and Mr.
3 Derksen and Mr. Warden might be the people who can help you
4 out on this but -- but generally, in Manitoba if we want gas
5 in Manitoba, we can get the molecules here the only question
6 is at what price and that's something that -- that Centra has
7 to consider in terms of its portfolio development and I won't
8 ask Mr. Derksen or Mr. Warden if they agree with that or not.

9 But if you generally take as an assumption
10 that on the gas side of -- of the business, the molecules can
11 be delivered to Winnipeg; they may have a very expensive
12 price tag but they can be delivered. Can you tell me in the
13 electrical business, can the electrons be delivered to
14 Winnipeg with, again, the only question being the price?

15 MR. ROBERT MAYER: And never mind the rest of
16 us, just worry about Winnipeg.

17

18 (BRIEF PAUSE)

19

20 MR. DAVID CORMIE: The -- the analogy to the
21 electrical transmission system in North America is the
22 natural gas transmission system and -- but the -- the -- and
23 you can bring -- you can bring natural gas to Winnipeg from
24 almost anywhere through displacement or it -- it the
25 transport capability is bringing it in and it's really a

1 matter of price.

2 When the electricity in North America -- North
3 America is made up of several regions, one of which is the
4 MAPP region to which we are connected. Within the regions
5 there is a very strong interconnected transmission system, so
6 it usually is possible to bring electricity to Winnipeg from
7 almost anywhere within our local region but once you reach
8 outside of -- of our region into adjacent regions, Maine,
9 Ekhar (phonetic), Texas, California, it's not possible to buy
10 electricity in California and bring it to -- bring it to
11 Winnipeg and -- and -- and a good illustration of that
12 problem a few years ago when the prices in California were
13 three thousand (3,000) dollars a megawatt.

14 I was selling electricity in MAPP for thirty
15 (30) dollars. Well, why would I do that? Because I can't
16 reach out into the market because the transmission system is
17 not capable of moving electricity across North America where
18 with natural gas, you can move natural gas almost anywhere.
19 So we don't have as efficient transportation system in
20 electricity as we have gas.

21 We have very local regional markets and so to
22 assume that we can go to -- out of our region, for example to
23 Chicago, and buy power in Chicago and bring it home, there is
24 some ability but that -- it's very, very limited.

25 So the -- the electrical studies that have

1 been done in the past for power flows in our region had
2 assumed that Manitoba Hydro was almost always exporting
3 electricity and to assume that instead of being an exporter,
4 we would be an importer was not a situation that we had
5 experienced before in recent times to the extent that we were
6 exposed to last winter.

7 Normally in the wintertime we export eight
8 hundred (800) megawatts. This winter we were an importer of
9 a thousand megawatts. So there was one thousand eight
10 hundred (1,800) megawatts of flows of electricity in a
11 different direction and that put a strain on the transmission
12 system, not only to other regions but also within the region
13 -- within the Ma -- within the Ma -- the MAPP region itself
14 and -- and this was one of the -- one of our biggest concerns
15 when we were doing our planning for winter operation.

16 Is it -- was it -- was it a fair assumption to
17 assume that the market and the transmission system could
18 fully deliver that eighteen hundred (1,800) megawatts to
19 northern MAPP to serve our export sales as well as serve the
20 thousand megawatts we needed to serve Manitoba load and that
21 was the one that terrified me the most and that's the reason
22 that we prepared to use our gas turbines because we had -- we
23 thought that most times that we would be able to bring the
24 power in but not all the times.

25 And so we were fully prepared to base load our

1 gas generation resources in -- in Manitoba as a contingency
2 plan against those transmission constraints and -- and at
3 times last winter that's what happened. The transmission
4 system was incapable of meeting our demands and we had to
5 purchase much more expensive generation in northern MAPP and
6 we couldn't bring the contracted power home.

7 I forgot your question.

8

9 CONTINUED BY MR. BOB PETERS:

10 MR. BOB PETERS: I was asking if -- if
11 electricity was transmission constrained whereas gas appears
12 not to be and I think your answer is yes?

13 MR. DAVID CORMIE: Yes and so --

14

15 (BRIEF PAUSE)

16

17 MR. DAVID CORMIE: -- so whereas -- whereas --
18 whereas you would think that you might be able to go to the
19 market and -- and -- and shop around to thousands of sellers,
20 we -- at times last winter, we were captive to two (2)
21 sellers and those are the sellers who are closest to Manitoba
22 Hydro.

23 MR. BOB PETERS: Mr. Cormie --

24 MR. DAVID CORMIE: Because of transmission
25 constraints.

1 MR. BOB PETERS: Yeah. Yes, thank you. I
2 just want to pick up a comment, California was paying an arm
3 and a leg for electricity, you were selling it for a tenth or
4 less of what you maybe could have -- 1 percent of what you
5 maybe could have gotten out there.

6 Is it possible, sir, that you could sell it
7 into your MAPP customer friends and they could take it and
8 flip it through different transmission arrangements and get
9 it closer to the -- to the high paying markets?

10 MR. DAVID CORMIE: Some of that is possible
11 but the -- the transmission connections between our region
12 and -- and western United States are very, very small so --
13 and -- and those people who own those transmission rights I'm
14 sure profited from that -- that basis spread across the
15 regions but the amount of interconnected capability across to
16 the western United States is almost trivial.

17 MR. BOB PETERS: Just because we've now
18 talked a little bit internationally here, Mr. Cormie, are the
19 rules governing the transmission system of MISO evolving and
20 changing to the point where maybe sometime down the road,
21 Manitoba will be required to generate power regardless of its
22 cost to meet a North American shortage?

23
24
25

(BRIEF PAUSE)

1 MR. DAVID CORMIE: Manitoba Hydro's
2 arrangements with MISO is that it will always be in control
3 of its generation assets. We have chosen a relationship that
4 maintains our sovereignty.

5 MR. BOB PETERS: If you don't want to produce
6 and provide to MISO, then -- then you don't have to, it's
7 voluntary?

8 MR. DAVID CORMIE: I -- go ahead then.

9 MS. PATTI RAMAGE: This might be something
10 better less -- left to Mr. Poff (phonetic), but if I could
11 help out there; MISO is a transmission organization. And as
12 Mr. Cormie alluded to, they don't in any way, control
13 Manitoba -- or it's my understanding they don't control
14 Manitoba Hydro's generation.

15

16 CONTINUED BY MR. BOB PETERS:

17 MR. BOB PETERS: You accept that answer from
18 Ms. Ramage?

19 MR. DAVID CORMIE: In -- in addition to that,
20 the -- the rules are changing though, and -- and MISO is an
21 independent system operator, and their -- their plans are to
22 dispatch all the generation within the MISO footprint. And
23 -- and Manitoba Hydro has chosen not to have MISO dispatch
24 their generation. We will dispatch our own generation, we
25 will not turn control of our assets over to a foreign

1 authority.

2

3

(BRIEF PAUSE)

4

5

MR. BOB PETERS: You're not aware then, Mr. Cormie, that -- that MISO may at some point insist on having some dispatch authority over all generation of its members?

6

7

8

MR. DAVID CORMIE: Well, I think that's MISO's objective, and for those utilities who are FERC jurisdiction in the United States, they've been ordered by the FERC to turn their -- their generation assets over to the MISO for dispatch, and that that -- that is now planned to occur next spring, on March the 1st, 2004.

9

10

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13

But Manitoba Hydro has an arrangement with the MISO through a coordination agreement, and -- and we are in the process of negotiating and finalizing that coordination agreement. And the basis of our -- our relationship with MISO will not -- will be one (1) that does not turn control over to MISO.

14

15

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19

Manitoba Hydro will dispatch our own generators to serve our loads in Manitoba, and to participate in the MISO markets. But we will not turn our generators over to their -- or our transmission system over to their control.

20

21

22

23

24

25

MR. BOB PETERS: All right. Thank you for

1 that. I want to shift gears a little bit here and we've
2 talked about firm export energy, and, Mr. Surminski, and, Mr.
3 Cormie, I think you've told us that on -- on page 5 of 5, of
4 MIPUG Manitoba Hydro first round 17, you get a surplus
5 calculation of energy, and your exports are not -- are not to
6 exceed the surplus; did I get that right?

7 MR. HAROLD SURMINSKI: Yes, that's what I had
8 indicated.

9 MR. BOB PETERS: Is that -- is that firm
10 exports, Mr. Surminski, or is that opportunity exports?

11 MR. HAROLD SURMINSKI: That is firm, because
12 the table is based on firm capability.

13 MR. BOB PETERS: Can you explain to the Board,
14 briefly, how you determine, and when in a calendar year you
15 would determine your opportunity export capabilities?

16 MR. DAVID CORMIE: The opportunity
17 capabilities are determined on a weekly basis, based on our
18 -- our operating plans that get updated week -- weekly, Mr.
19 Peters.

20 And the -- our water resources people do their
21 water supply forecasting, and -- and our -- our computer
22 models then indicate to us how best they operate the power
23 system.

24 When surplus energy that's available and the
25 power system is best taken to market, it's made available as

1 on a forecast basis to our power traders. And our power
2 traders then, in discussion with the water resource people,
3 decide whether that is a -- whether there's -- with what
4 level of confidence that surplus is available.

5 And when there's sufficient confidence that
6 that sale -- that energy is surplused to Manitoba's needs,
7 and we will take it to the forward markets and sell it either
8 -- we will take it to the markets either as a forward --
9 under a forward contract, or we will choose not to take it to
10 the forward markets, if the -- if there's a price advantage
11 not to do so.

12

13

(BRIEF PAUSE)

14

15 MR. BOB PETERS: When you -- when you look at
16 these opportunity sales on the -- on the forward basis, is
17 that analogous to -- to your gas side of the -- the
18 Corporation's business, in terms of whether or not to place
19 derivatives that you're doing it with physical product?

20

21 MR. DAVID CORMIE: Yes, all the -- all the
22 forward contracts -- sales contracts are for physical
23 delivery and our ex -- our expectation is that -- that we
24 will have that energy to sell and we will enter into a
25 contract in order to hedge the price risk.

25

 MR. BOB PETERS: Do you ever buy yourself out

1 of those positions with financial instruments so you don't
2 have to physically deliver?

3 MR. DAVID CORMIE: We do -- we do not use
4 financial instruments. We make -- create an offsetting
5 purchase that, in effect, nets out the sale. So, if I were
6 to sell you a hundred (100) megawatts, Mr. Peters, today and
7 for December delivery and November comes along and I need a
8 hundred (100) megawatts because I've now lost a generator or
9 the weather is changed and now I'm short a hundred (100)
10 megawatts, you and I may settle fina -- we -- we may -- you
11 may have surplus power and you may sell it back to me.

12 And so I -- I owe you a hundred (100), you owe
13 me a hundred (100), physically no power will flow, I may have
14 to cut you a cheque though.

15

16 MR. BOB PETERS: Did that happen last year?

17 MR. DAVID CORMIE: For the long term export
18 sales we did -- we did that quite a bit. We settled -- in
19 affect we bought down our positions. Buying down our
20 positions is -- is advantageous for two (2) reasons; it frees
21 up transmission lines and it also avoids the transaction
22 cost.

23 My sale to you incurs transmission costs and
24 losses. My purchase from you incurs transmission losses and
25 -- and a cost. And if we can settle financially we don't

1 have to in -- incur those transaction costs. So it's -- it's
2 much better for me to settle with you, avoid going to physic
3 -- delivery even though the two (2) schedules are offsetting.

4 And -- and then it frees up the transmission
5 system for other opportunities.

6 MR. BOB PETERS: But, that -- that didn't
7 happen for opportunity sales, did it?

8 MR. DAVID CORMIE: We -- we had no
9 opportunity sales last year. We had no opportunities sales
10 to the extent that they were done in the forward markets.
11 There were times throughout the winter when, you know, during
12 periods of very warm weather where we had short term
13 surpluses and it -- it would have been advantageous for us to
14 do hourly or daily trading.

15 MR. BOB PETERS: Mr. Cormie and Mr.
16 Surminski, there's a table found at Document 10 of the Brief
17 of Documents that was put together. It's CAC/MSOS-MH 2nd
18 round 28 question where you provided the costs -- the cost of
19 imports in the on-peak and off-peak periods.

20 Can you now update that table for actual
21 information? And I appreciate you may not be able to do it
22 from the microphone but if not, provide a -- provide a
23 written update to this interrogatory?

24 MR. DAVID CORMIE: Mr. Peters, I believe that
25 is already actuals. But let me just check.

1 THE CHAIRPERSON: Mr. Peters, are you coming
2 to a point in which we could have a -- a break?

3 MR. BOB PETERS: As soon as I get Mr.
4 Cormie's answer, this would be a perfect place.

5 MR. DAVID CORMIE: Mr. Peters, let me check
6 on that after and I'll get back to you after the break.

7 MR. BOB PETERS: Thank you. And thank you,
8 Mr. Chairman.

9 THE CHAIRPERSON: We'll stand down for ten
10 (10) minutes.

11

12 --- Upon recessing at 10:25 a.m.

13 --- Upon resuming at 10:47 a.m.

14

15 THE CHAIRPERSON: I think we'll call the
16 hearing back to order now, if we may. Tempus fugit. Mr.
17 Peters...?

18 MR. BOB PETERS: Mr. Chairman, just
19 apologise. Mr. Williams has a client to introduce.

20 MR. VINCE WARDEN: Yeah, just Ms. Desorcy's
21 back here. She heard Mr. Cormie was up for the bulk of the
22 morning and she couldn't resist the temptation, so, Ms.
23 Gloria Desorcy from the Consumers' Association is -- is here,
24 checking on the show.

25 THE CHAIRPERSON: Welcome again. Mr.

1 Peters...?

2 MR. BOB PETERS: Mr. Chairman, before the
3 break, Mr. Cormie and I were -- were talking about updating
4 document 10 in the brief of documents, which is CAC/MSOS-MH-
5 II-28, and I wonder if I could just have that left as an
6 undertaking, or a matter to be taken under advisement by the
7 witness, if that suits his counsel?

8

9 --- UNDERTAKING NO. 11: To update document 10 in
10 CAC/MSOS-MH-II-28.

11

12 MR. BOB PETERS: I would likewise ask that Ms.
13 Ramage take under advisement, or as an undertaking, providing
14 the forecast for -- on document number 11 in the brief, which
15 is a PUB-MH-II-39, asking if by way of undertaking or under
16 advisement, if Ms. Ramage would ask her witnesses to provide
17 a revised copy, which contains the forecast for 2004/05?

18

19 --- UNDERTAKING NO. 12: Provide a revised copy which
20 contains the forecast for
21 2004/05.

22

23 MR. BOB PETERS: And then there were two (2)
24 other Information Requests that I'd like to have Ms. Ramage
25 undertake, or at least take under advisement the revision of

1 CAC/MSOS-MH-I-37-A, for the
2 fiscal year ending 2004.
3

4 MR. BOB PETERS: I appreciate that's a little
5 wordy, and but I would ask the Corporation to have a look at
6 those requests, and for Ms. Ramage to come back to me with
7 her position, when she is able to do that. Thank you.

8 MR. DAVID CORMIE: Well, Mr. Peters, for
9 clarification, you asked us to update the table in Tab number
10 11, forecast for '04/05, which forecast would you like? The
11 one (1) that's in IFF-03? Could you clarify for us so we can
12 be responsive.
13

14 (BRIEF PAUSE)
15

16 MR. BOB PETERS: Mr. Cormie, this isn't meant
17 to be non-responsive, but do you have a more current forecast
18 than IFF-03-1?
19

20 (BRIEF PAUSE)
21

22 MR. DAVID CORMIE: IFF-03-1, has Manitoba
23 Hydro's official forecast, and that's what we can provide.

24 MR. BOB PETERS: That will be sufficient then,
25 thank you.

1 MR. VINCE WARDEN: Mr. Peters, perhaps I can
2 be responsive to those questions at this time. That is with
3 respect to the energy amounts, we can certainly provide that
4 information, and that is contained on -- in Tab 10, which is
5 CAC/MSOS-II-28, we can update the imported energy on that.

6 In fact, we can give you that number now if
7 you like? The eight thousand (8,000) gigawatt hours that's
8 indicated on that table is -- was actually ninety-six twelve
9 (9612), nine thousand six hundred and twelve (9,612) gigawatt
10 hours.

11 However, I would rather not update the amount
12 -- the cost of those imports, because as you recall, behind
13 Tab 1, we discussed net extra-Provincial revenue as being the
14 only variable to get to our financial -- or bottom line
15 number for '03/04. So, disclosing that number would in fact
16 do that.

17 However, understanding the Board's desire to
18 have a -- a -- a updated forecast of what our '03/04 results
19 are, we will provide that through -- by way of an undertaking
20 which would be a range, a reasonable range that is relatively
21 close to what our natural results were for -- for '03/04.

22 Similarly, if we look at PUB-I -- I believe,
23 64A, the table there, updating to actual contains financial
24 results which I would prefer not to do at this time for the
25 reasons I just gave and the CAC/MSOS-37A table, however, we

1 can update to provide the energy estimates, or at least an
2 update to the actual to '03/04 for that table.

3 I hope that's sufficient.

4 MR. BOB PETERS: Thank you for that answer,
5 Mr. Warden. Just one clarification, sir, on the PUB-MH-I-64,
6 rather than dealing with the dollar amounts, I wonder if
7 you'd be prepared to update the energy amounts for 2004 or
8 whether you have a concern about doing that for the reasons
9 that you've already put on the record.

10 MR. VINCE WARDEN: We could -- we could do
11 that.

12 MR. BOB PETERS: Then if you could do that,
13 sir, I think that'll address my request at this point in
14 time, Mr. Chairman. I think what we will do is we will await
15 for the revised forecast from Mr. Warden which we understand
16 will contain a range of -- of net income for 2004 that maybe
17 sufficient as we -- as we move forward.

18 MR. VINCE WARDEN: Yes, thank you.

19 MR. DAVID CORMIE: Mr. Peters, I have a
20 response to Undertaking Number 8 from yesterday, if you would
21 like to hear that now. It was with regard to the Manitoba
22 energy demand last year net from energy and that was shown --
23 you were referring to the table in Tab 6 and the forecast for
24 2003/2004, the annual net firm energy from Manitoba Hydro was
25 forecast to be twenty-two thousand, one hundred and seventy-

1 one (22,171) gigawatt hours.

2 The actual net firm energy was twenty-one
3 thousand, eight hundred and ninety (21,890) gigawatt hours,
4 approximately 1 percent lower than forecast.

5

6 CONTINUED BY MR. BOB PETERS:

7 MR. BOB PETERS: Thank you for that
8 information, Mr. Cormie. Mr. Cormie, in terms of preparing
9 the integrated financial forecast that Ms. Wray's department
10 handles, can you indicate what assumed export prices are
11 embedded in the IFF?

12 MR. DAVID CORMIE: In -- in the short term,
13 for the current year and the second year of the IFF, there
14 are three (3) -- three (3) forecasts of -- of export prices
15 provided.

16 The first is the export prices under our long
17 term firm export sales contracts, and those are computed
18 annually and they're tied to indices and -- and we -- we
19 update those -- those rates and -- and build those rates into
20 our long term extra-provincial revenue forecast.

21 The second prices are those prices that have
22 been fixed under short term opportunity sales, so it reflects
23 actual contracted rates for the balance of the -- of the
24 current year.

25 And the third area is where Manitoba Hydro has

1 opportunity sales that haven't -- are indicated but the --
2 that the price hasn't been established under a contract and
3 so they are considered to be spot market sales in the
4 forecast.

5 Manitoba Hydro uses industry available
6 forecasts to establish a forward price curve, and -- and
7 those -- those prices are based on -- on the market's current
8 view of what energy will trade at, both in the on and off
9 peak periods.

10 For the longer term after the second year, Mr.
11 Surminski is responsible for establishing prices in the
12 export markets, and I'll let him respond to that.

13 MR. BOB PETERS: Before you do, Mr. Cormie, do
14 you -- do you blend the price with Mr. -- for those years, or
15 do you weight a price and -- and embed it. Is it one (1)
16 that you can give us as a discreet number?

17 MR. DAVID CORMIE: Mr. Surminski's group and
18 -- and our group work closely in this area, and so there is a
19 -- the long term reflects the short term trends as well, so
20 there's no discontinuity in our view of the market.

21 MR. BOB PETERS: Can you give me the -- how
22 many cents per kilowatt hour you've embedded then for the
23 current and second year of the IFF?

24 MR. DAVID CORMIE: I'm not -- I'm not
25 understanding what you're asking for?

1 MR. BOB PETERS: I'm looking for a -- how many
2 cents per kilowatt hour have been used as an assumption?

3 MR. DAVID CORMIE: For which -- for which
4 sales?

5 MR. BOB PETERS: I'm looking for them -- I'm
6 looking for them for all years, but with particular reference
7 to the current year and the next two (2) years?

8 MR. DAVID CORMIE: Manitoba Hydro's forward
9 price view is considered commercially sensitive information,
10 Mr. Peters, and we would prefer not to provide you with that
11 information.

12 MR. BOB PETERS: But do you blend a number for
13 the purposes of IFF, so it's not -- it's an aggregate number
14 as opposed to disaggregated so that it can't be -- can't be
15 broken down to sensitive information?

16 MR. DAVID CORMIE: But that would -- that
17 would be an aggregate of all sales, including the firm sales
18 and the opportunity sales and the spot market sales.

19 MR. BOB PETERS: Yes, I understand that. Is
20 that what's done and then given to Ms. Wray for the IFF?

21 MR. DAVID CORMIE: Ms. Wray is not given a
22 rate, Ms. Wray is given our forecast of revenues, as well as
23 our volume. We don't -- it's not simp -- it's simplified to
24 that fashion, she doesn't -- she's given our -- our estimates
25 of total revenue. And total expenses, and -- and volumes,

1 but we -- we do that work on her behalf.

2

3

(BRIEF PAUSE)

4

5

MR. DAVID CORMIE: And it's complicated by the
6 fact that we have more than just a single price, we have a
7 price volume relationship. For example, if all we had was
8 one (1) megawatt hour to sell, we would price that very high.
9 If we had ten thousand (10,000) gigawatt hours to sell, the
10 last megawatt hour would sell at a very low price, and
11 there's a relationship between the volume and the price.

12

And -- and quite a bit of work is done to come
13 up with those price volume curves. And those are used in our
14 computer models, because the volume that is available for
15 sale in any particular year, depends on water conditions.

16

And so in Mr. Surminski's analysis, he looks
17 at the price/volume relationship, depending on the flow year,
18 on a monthly basis.

19

And so not only is he looking at -- he's
20 looking at volume variability, but also our expected price
21 variability, associated with that.

22

MR. BOB PETERS: Thank you for that, Mr.
23 Cormie, as I am now understanding. Maybe I can simplify it.
24 On Tabs 12 and 13 of the book of documents that I prepared,
25 which I included the TREE-RCM-MH-I-16 question, and the PUB-

1 MH-II-59 question, you were able to -- to provide an average
2 price of imports and exports, do you see that?

3 MR. DAVID CORMIE: Yes, we do.

4 MR. BOB PETERS: Are you able to provide
5 something on the same type of level for the export prices
6 that are embedded in the IFF?

7 MR. DAVID CORMIE: Overall aggregate, yes, we
8 can.

9 MR. BOB PETERS: And just for information sake
10 then, do you know what assumed export price Hydro used at the
11 Wuskwatim hearing before the Clean Environment Commission?

12 MR. HAROLD SURMINSKI: Yes, but they were the
13 -- for Wuskwatim, all that -- what's important was prices out
14 in time and -- and the 2010 period and on.

15 MS. LYN WRAY: And we also provided
16 essentially a low price -- low export price and a high export
17 price so that we could show the range of prices we might
18 expect. We didn't show the expected price for the reasons of
19 confidentiality that have been eluded to.

20 MR. BOB PETERS: Is the IFF, Mr. Surminski,
21 does it contain the expected price or does it contain some
22 other determination of the long range once you get out past
23 two (2) years?

24 MR. HAROLD SURMINSKI: It is the expected
25 price, yes, as Ms. Wray has just suggested.

1 MR. BOB PETERS: Can you indicate then to the
2 Board, what -- what the high and low range was, Ms. Wray, at
3 the CEC Hearings?

4 MS. LYN WRAY: I can't recall. It obviously
5 varied from year to year. It was upward sloping for both the
6 low and the high but I can't recall the range off-hand. I
7 could find that out for you.

8 MR. ROBERT MAYER: If I recall correctly, Ms.
9 Wray, that was an enquiry from CAC/MSOS.

10 It came by way of motion for disclosure and
11 Mr. Williams and to your lawyers agreed on -- on this upper
12 and lower range. So I'm assuming there's an answer to an
13 interrogatory to Mr. Williams from the previous hearings --
14 CEC hearings that might actually have all those numbers.

15 MR. HAROLD SURMINSKI: I can give the general
16 indication of that range in a later time period. The lower
17 price -- that low price was about fifty dollars (\$50) a
18 megawatt hour Canadian. And that's the average of all export
19 sales. And the upper end ramp tep (phonetic) or slow tep
20 (phonetic) but it reached somewhere in the order of
21 seventy-five to eighty dollars (\$75 to \$80) per megawatt
22 hour.

23

24 CONTINUED BY MR. BOB PETERS:

25 MR. BOB PETERS: Can you tell the Board, Mr.

1 Surminski, if that same expected price that's used in the --
2 that was available or used by the Corporation at the
3 Wuskwatim Hearing, is that the same information as used in
4 the IFF that's before the Board in this Hearing?

5 MR. HAROLD SURMINSKI: Yes, we have not
6 modified our -- our export forecast at this time.

7 MR. BOB PETERS: All right. Thank you. To
8 deal with the impact on your capital expenditures forecast by
9 your acquisition of Winnipeg Hydro. Point Du Bois was one of
10 the generating stations that Manitoba Hydro acquired in that
11 transaction; is that correct?

12

13 MR. VINCE WARDEN: That is correct, yes.

14 MR. BOB PETERS: And as I understood it there
15 was a plan to double the capacity of that generating
16 facility?

17 MR. VINCE WARDEN: The -- Winnipeg Hydro had
18 plans to increase the capacity of Point Du Bois and Manitoba
19 Hydro has not reached a conclusion on that yet.

20 MR. BOB PETERS: All right. There was some
21 money put aside in the capital expenditures forecast. I
22 thought it was in the neighbourhood of \$421 million dollars
23 of total cost for that project. So are -- are you telling
24 the Board that that's not a -- that's not committed yet?

25 MR. VINCE WARDEN: That's right.

1 MR. HAROLD SURMINSKI: And in addition, it
2 may not be required or -- it's not necessary to expand the
3 plant. Just to keep the plant running will require
4 sufficient expenditures.

5 We expect after 2010 that the license actually
6 -- when our power license expires in 2011 and it would take
7 significant dollars to upgrade the plant just to keep it
8 running.

9 So that's one of the reasons why the -- the
10 capital budget includes a number in that area.

11 MR. BOB PETERS: So, the capital expenditures
12 forecast amount is not to increase capacity but to retain
13 existing capacity? Is that the correct answer, Mr.
14 Surminski?

15 MR. HAROLD SURMINSKI: It is an expectation
16 that one or the other will take place. But it may not be
17 quite as high to -- to maintain the plant. It may not cost
18 400 million but it could be very near to that.

19 MR. VINCE WARDEN: Yes, I think, Mr. Peters,
20 the capital expenditure forecast document was -- was filed
21 and at page 20 of that forecast document it describes what is
22 included in the \$421 million dollars.

23 So, it is a rehab of Point Dubois, including
24 an extension of its useful life for -- for seventy-five (75)
25 years.

1 MR. BOB PETERS: But as I understood the
2 answer from Mr. Surminski, there's not been a decision made
3 on whether or not to -- to extend its useful life?

4 MR. VINCE WARDEN: That's -- there's been no
5 commitment at this point in time. That -- that would be the
6 capital costs of -- of doing that, but it has not been
7 committed at this date.

8 MR. BOB PETERS: Did Manitoba Hydro take into
9 account the \$421 million dollar capital costs, when it --
10 when it purchased Winnipeg Hydro's assets?

11 MR. VINCE WARDEN: Yes, we had a range of
12 capital expenditures for Winnipeg Hydro, that we considered
13 in the evaluation; yes, we did.

14 MR. BOB PETERS: Well, what about the Slave
15 Falls Generating Station; are there any plans to upgrade
16 that?

17 MR. HAROLD SURMINSKI: The Slave Falls Plant
18 generally is in much better condition, and a newer vintage of
19 -- of turbines, and in general, we do not have plans
20 specifically, and the costs would be much lower. It would
21 not be a very significant cost, relative to Point Dubois.

22 MR. ROBERT MAYER: This number that Mr. Peters
23 is mentioning, four hundred (400) odd million, that's -- you
24 would need to spend that much money just to retain the
25 sixty-six (66) megawatts to -- the little map over there

1 tells you we produce out of Point Dubois?

2 MR. HAROLD SURMINSKI: Yes, generally, that is
3 our first estimate.

4 MR. ROBERT MAYER: Wuskwatim's starting to
5 look pretty good.

6

7 CONTINUED BY MR. BOB PETERS:

8 MR. BOB PETERS: Mr. Surminski, I don't know
9 that I recall -- actually I -- let me word it this way,
10 don't recall anything in the capital expenditures forecast,
11 and I may be wrong about the Slave Falls rehab or upgrading;
12 do you recall if anything has been put in there?

13 MR. VINCE WARDEN: No, there's nothing in
14 there -- specifically in the capital expenditure forecast for
15 -- for Slave Falls.

16 MR. BOB PETERS: In terms of the -- the new
17 head office building, can you just clarify for the Board, by
18 way of your contractual agreement with the City of Winnipeg,
19 by what date does a shovel have to be placed in the ground to
20 start your construction?

21 MR. VINCE WARDEN: Yes, in accordance with the
22 agreement -- the purchase agreement, construction on the new
23 downtown office tower would have to commence five (5) years
24 after the date of purchase. So, the commencement date is
25 five (5) years after September the 3rd, 2002.

1 MR. BOB PETERS: And just refresh my memory as
2 to what are the current plans for that construction? So --
3 so you'd have to start it by September 3rd, 2007, is what I'm
4 hearing your answer to be?

5 MR. VINCE WARDEN: That's right.

6 MR. BOB PETERS: And but you -- you have a --
7 are you planning to construct sooner than that?

8 MR. VINCE WARDEN: Yes, if everything goes
9 according to -- to our current plans, deconstruction of the
10 existing site -- site will start this fall and construction
11 will be in the spring of 2005.

12

13 (BRIEF PAUSE)

14

15 MR. HAROLD SURMINSKI: Maybe, Mr. Mayer, I
16 could just -- you mentioned the Point Dubois was sixty-six
17 (66) megawatts, it's -- it's seventy-seven (77) or
18 seventy-eight (78), yes. And with rehab it could be up to
19 about ninety (90) megawatts through rehabilitation. So, is a
20 little more -- it makes it a little more attractive relative
21 to Wuskwatim.

22 MR. BOB PETERS: Mr. Surminski, what's the
23 capacity of Slave Falls?

24 MR. HAROLD SURMINSKI: That's about seventy
25 (70) megawatts.

1 MR. BOB PETERS: And when you acquired the
2 assets of Winnipeg Hydro, did you consider any capital
3 expenditures that would have to be made to either refurbish
4 or rehabilitate Slave Falls?

5

6

(BRIEF PAUSE)

7

8 MR. HAROLD SURMINSKI: We did not expect that
9 there'd be -- there would be significant costs at that plant.
10 Re-ruddering, that is replacing the turbines, normally is an
11 economic decision, and -- and we do review that, because new
12 technology can -- can be more efficient in -- in producing
13 power.

14

15 So, we -- that's part of our supply side
16 enhancement program. We -- we review older plants and -- and
17 look at the economics of -- of replacing turbines, if it can
18 be justified, especially if there's an outage for other
19 reasons.

20

21 When there is a rehabilitation of other
22 equipment and the unit has to be taken out of service for up
23 to six (6) months; that is an appropriate time to -- to
24 rehabilitate and replace the turbine with a more efficient
25 one.

26

27 MR. BOB PETERS: You didn't consider
28 re-ruddering Slave Falls when you did your analysis on

1 purchasing Winnipeg Hydro's assets?

2 MR. HAROLD SURMINSKI: No, that was not
3 required.

4 MR. BOB PETERS: And just on the head office
5 building, if I can ask this maybe of Mr. Warden; as I
6 understood your answers to me, sir, you're going to commence
7 construction about two and a half (2 1/2) years before you
8 may be legally required to. Would that be correct?

9 MR. VINCE WARDEN: Yes, as I indicated the --
10 the schedule -- according to the agreement was we would
11 commence within that five (5) year period. It doesn't say at
12 the end of that five (5) year period, it says within that
13 five (5) year period and that's what we're doing.

14 MR. BOB PETERS: And can you tell the Board
15 whether you -- what your plans are for the Taylor Avenue
16 current headquarters?

17 MR. VINCE WARDEN: Still no firm decision has
18 been made on that as to whether we'll retain 820 Taylor.
19 That will have some influence on the size of the building
20 downtown if we decide to dispose of that.

21 At this time, they're looking at what the
22 potential disposal value of 820 Taylor may be. So, that'll
23 factor into that decision.

24 MR. BOB PETERS: All right, thank you. While
25 you had the capital expenditure forecast out, Mr. Warden, I

1 recall that one of the directives from the Board in Order
2 7/03 was for Manitoba Hydro to segregate their capital
3 expenditures that could be attributed to export related
4 activities.

5 Do you recall that directive in general terms?

6 MR. VINCE WARDEN: In general terms, yes, I
7 do recall that.

8 MR. BOB PETERS: And subject to being
9 corrected by your colleagues or your Counsel, I don't know
10 that's been filed yet with the Board. Do you know if it has?

11 MR. VINCE WARDEN: No, it has not.

12 MR. BOB PETERS: Is that something that the
13 Board can expect from the Corporation soon?

14 MR. VINCE WARDEN: Well, it really speaks to
15 the -- the cost of service issue that we'll be perhaps
16 discussing later on with the -- the other panel as to how
17 costs are being allocated to an export class if we choose to
18 go that direction.

19 MR. BOB PETERS: So, we should discuss it
20 with that panel?

21 MR. VINCE WARDEN: I think that would be more
22 appropriate, yes.

23 MR. ROBERT MAYER: I -- what I heard earlier
24 is that we're looking at this NERA report and so we really
25 haven't separated out those costs that the Board asked for in

1 its previous Order.

2 MR. VINCE WARDEN: At this time that is --
3 that is correct.

4

5 CONTINUED BY MR. BOB PETERS:

6 MR. BOB PETERS: Ms. Wray --

7 MR. VINCE WARDEN: You see it would be -- if
8 I could just elaborate, perhaps, a little bit on that -- that
9 answer. It would be pretty much impossible to take our
10 existing assets and separate them saying what -- which
11 specific asset was for export.

12 Because there were really no assets that were
13 constructed specifically for export purposes.

14 So, when the Limestone generation --
15 generating station was put into service, for example, in 19
16 -- the last June it was put into service in 1992, we had a
17 surplus capacity because the whole capacity of the Limestone
18 was not required to serve the Manitoba load.

19 So, it could be argued that anything over and
20 above the requirement for the Manitoba load could be
21 allocated to the export class, if we were to have an export
22 class.

23 But, that has not been done at this point in
24 time.

25 MR. ROBERT MAYER: I -- I recognize that, and

1 I'm expecting that it isn't going to be done by the time we
2 get to the other panel either, so I'm not sure why we would
3 be waiting for that.

4 MR. VINCE WARDEN: Well the other panel, we
5 can speak when we get to the NERA report there are meth --
6 there's a methodology in there as to how the cost could be
7 allocated to a -- to an export class if we go that direction.

8 To be clear, though, we have not set up an
9 export class for purposes of this Rate Application.

10

11

(BRIEF PAUSE)

12

13 CONTINUED BY MR. BOB PETERS:

14 MR. BOB PETERS: Mr. Warden, maybe we'll --
15 we'll come at this again with the other panel, but on your
16 Capital Expenditures Forecast, you're talking into the future
17 into -- into new capital programs, correct?

18 MR. VINCE WARDEN: Yes, the capital
19 expenditure forecast covers the ten (10) year period to 2014.

20 MR. BOB PETERS: And some of those future
21 forecasts are going to expressly be used for export purposes,
22 would that also be correct?

23 MR. VINCE WARDEN: Well, the Wuskwatim is --
24 is the one (1) major capital expenditure that's in the
25 forecast that would be used -- constructed solely for export

1 at this point in time, yes.

2 MR. BOB PETERS: Well, what about -- the same
3 could be said for Gull Generating Station, could it not?

4 MR. VINCE WARDEN: Yes.

5 MR. BOB PETERS: And likewise Conawapa?

6 MR. VINCE WARDEN: Yes.

7 MR. BOB PETERS: The Bi-Pole 3 would also be
8 for that purpose?

9 MR. VINCE WARDEN: No, no, that's a
10 reliability issue that Bi-Pole 3 is being constructed for.

11 MR. BOB PETERS: Are any of the transmission
12 lines that are in the Capital Expenditures Forecast, going to
13 expressly and only be used for export?

14 MR. VINCE WARDEN: Well, there -- there's a
15 small amount of transmission that's associated with
16 Wuskwatim, and if Conawapa proceeds, and I don't know, I'd
17 have to check as to whether or not -- I don't think we have
18 any transmission -- transmission associated with Conawapa,
19 specifically in this -- in this forecast.

20 MR. BOB PETERS: All right. I'll come back to
21 that perhaps at another time. I think, Ms. Wray, and Mr. --
22 Mr. Derksen, it's maybe time we talked -- talked numbers, and
23 hopefully keep the attention of those -- those listening to
24 us.

25 Ms. Wray, there's going to be another Panel of

1 witnesses for Manitoba Hydro come on to talk about cost of
2 service and rate design, and as a starting point for that
3 second Panel, that Panel starts with a dollar amount of
4 revenue requirement, that it needs to recover from the
5 consumers in rates, would you agree with that?

6 MS. LYN WRAY: Yes.

7 MR. BOB PETERS: And really, notionally, if we
8 could then, this revenue requirement Panel of which you are a
9 member, is to make the case to this Board as to what revenue
10 requirement this Board should approve for the Corporation,
11 for the test years and then leave it to the Cost of Service
12 Rate Design Panel to determine which customers pay what
13 amount?

14 MS. LYN WRAY: That's correct.

15 MR. BOB PETERS: And can you tell this Board
16 from a starting point, what dollar amount of Manitoba Hydro
17 -- is Manitoba Hydro's revenue requirement; let's start off
18 for the 2003/04 year, actually I guess that's probably that
19 should be out of bounds, until we hear further from Mr.
20 Warden, but maybe we should go then to the test years, in
21 terms of the revenue requirement that you're seeking?

22 MS. LYN WRAY: Well, in terms of the
23 incremental rate increases in 2004/5, we're seeking
24 approximately \$28 million dollars in additional revenues, and
25 in 2005/6, taking into account that rate increase for 2004/5,

1 \$51 million dollars, approximately, in incremental revenues.
2 And they relate to proposed rate increases of 3 percent and
3 2.5 percent, respectively.

4 MR. BOB PETERS: And in terms of the total
5 amount of the revenue requirement, that is not just a
6 deficiency, or the -- the additional portion that you're
7 mentioning; how much do you calculate that to be?

8 MS. LYN WRAY: Well, the total revenues and
9 expenses, which -- is that what you're -- you're asking for?

10 MR. BOB PETERS: Yes.

11 MS. LYN WRAY: Total revenues would be 1.403
12 million -- millions of dollars in 2004/5, and what -- sorry,
13 one four zero three (\$1403) millions of dollars, one four
14 one-one (1411) for 2005/6.

15 MR. BOB PETERS: Would I be correct in
16 understanding the \$1.403 billion dollars to being -- that's
17 the revenue requirement that you want recovered from --
18 included in the recovery of -- from the rates of consumers?

19 MS. LYN WRAY: I suppose that's true, we don't
20 tend to view it quite in that context for the electricity
21 operations, but I think technically that would be our total
22 revenue requirement, recognizing that a fair chunk of it is
23 being supplied through export revenues.

24 MR. ROBERT MAYER: So, then the revenue
25 requirement from rates is 1.403 billion, less your expected

1 net export?

2 MS. LYN WRAY: And also -- well, actually,
3 we're looking at the gross line, so it would be less the
4 gross exports, less also about \$7 million dollars in other
5 revenues.

6

7 CONTINUED BY MR. BOB PETERS:

8 MR. BOB PETERS: Ms. Wray, when the
9 Corporation was before the Board at the Status Update
10 Hearing, the Board had an opportunity to review the IFF,
11 Manitoba Hydro 01-1; is that correct?

12 MS. LYN WRAY: Yes and there was also an
13 update to that presented at the time which had some further
14 adjustments.

15 MR. BOB PETERS: And subsequent to that, you
16 were also responsible for preparing the Manitoba Hydro
17 IFF 02-1?

18 MS. LYN WRAY: Yes, that would have been in
19 the fall of 2002.

20 MR. BOB PETERS: And you've also done the
21 Manitoba Hydro IFF 03-1 that's file as part of this
22 Application before the Board?

23 MS. LYN WRAY: That's correct.

24 MR. BOB PETERS: Ms. Wray, I wonder if I could
25 with you walk through the IFF 01 to 02 to 03 on a couple of

1 selected areas. And I'm going to try to not bog down in the
2 numbers, so I'm looking more for qualitative answers maybe
3 than specifically quantitative and I know that's maybe
4 sometimes difficult when we deal with dollars and cents.

5 So -- but with that goal of mine in mind, I do
6 note that document number 21 that is included in the brief of
7 documents is a -- is a document that was not in Manitoba
8 Hydro's materials. It was a document that was generated and
9 provided to your Counsel, purportedly being a comparison of
10 Manitoba Hydro IFF 02-1 with Manitoba Hydro 03-1.

11 MS. LYN WRAY: Yes.

12 MR. BOB PETERS: Have you had a chance to
13 review that?

14 MS. LYN WRAY: Yes, I have.

15 MR. BOB PETERS: All right. And let's assume
16 the -- the numbers are -- are accurate then unless we come
17 across something that doesn't seem to fit and you'd also be
18 aware generally then of your Manitoba Hydro IFF 01-1?

19 Would that be correct?

20 MS. LYN WRAY: Yes.

21 MR. BOB PETERS: Now, in terms of the general
22 consumer revenue, the first item under disclosure, back --
23 and if we look to -- if we look to 2004 we see that the
24 forecast in IFF 01 was about 762 million; that was update to
25 880 million and now it's updated to 801 million, if I've --

1 I'm sorry, 901 million, if I've followed correctly the
2 materials?

3 MS. LYN WRAY: Yes, I -- the page I have
4 before me just has the IFF 02 numbers but certainly that
5 versus IFF 03 is as you indicated.

6 MR. BOB PETERS: All right. If you can just
7 take my numbers as assumed to be correct and -- and that way
8 if there's any complications, it's because I gave you the
9 wrong number.

10 But can you indicate to the Board why general
11 consumer revenue would have jumped from your IFF 01 to your
12 IFF 02?

13

14

(BRIEF PAUSE)

15

16 MS. LYN WRAY: It would have been largely to
17 do with the load forecasts since there was no rate increase
18 at that time.

19 MR. BOB PETERS: And would you also agree with
20 me that -- that Winnipeg Hydro became part of the Manitoba
21 Hydro customer base and their revenue would have been added
22 as general consumers revenue?

23 MS. LYN WRAY: Yes, in fact, that would have
24 been the lion's share for that particular forecast.

25 MR. BOB PETERS: All right. And -- and before

1 Winnipeg Hydro was -- I'm sorry, before the Winnipeg Hydro
2 customers were converted to Manitoba Hydro customers, how, if
3 at all, were Winnipeg Hydro customers reflected in your IFF?

4 MS. LYN WRAY: We used to receive a copy of
5 the City's load forecast and then our own load forecasting
6 department would apply its own analysis and add that to the
7 load forecast for Manitoba Hydro's customers to derive a
8 total system load forecast.

9 MR. BOB PETERS: And --

10 MS. LYN WRAY: We also had a cost sharing
11 agreement with Winnipeg Hydro and accordingly, there was a
12 line in the IFF that reflected the revenues that we would
13 receive from them under that agreement.

14 MR. BOB PETERS: And moving this consumer's
15 revenue then to increase from the \$880 million dollars to
16 \$901 million dollars in the last two (2) IFFs that we're
17 talking about; your answer before was mainly related to the
18 load forecast as I understood it?

19 MS. LYN WRAY: Ye -- yes and the -- the
20 movement from IFF 02 to 03, there were two (2) factors. One
21 was the load forecast was up and the other one there was
22 somewhat of a decrease in our revenues as a result of PUB
23 Order 154-03 which had a rate reduction.

24 MR. HAROLD SURMINSKI: What did you quantify
25 the -- the PUB Order rate reductions to be?

1 MS. LYN WRAY: I believe in the first year the
2 impact was about 6.5 million and then it grew thereafter in
3 around the 7 million a year range, I believe. It may have
4 grown more in subsequent years just because of compounding.

5 MR. BOB PETERS: And that \$7 million revenue
6 reduction was as a result of not only the rate decreases to
7 the general service customers but also the impacts on the
8 winter ratchet?

9 MS. LYN WRAY: I believe so.

10 MR. BOB PETERS: Ms. Wray, on Document 21
11 that you and the Board Members will have, the next line talks
12 about additional monies. This additional monies line comes
13 as a result of the revenues to be recovered through
14 additional rate increases or other matters, correct?

15 MS. LYN WRAY: Yes.

16 MR. BOB PETERS: And not only additional
17 dollars but there's a table that has additional percentage
18 and the percentage rows deal with the percentage of rate
19 increases that Manitoba Hydro imbedded in their IFF's when
20 they were being prepared?

21 MS. LYN WRAY: Yes. So for example, in 2000
22 -- in the 2002 IFF we had anticipated a 2 percent rate
23 increase for 2004/05. Actually in a number of preceding
24 IFF's we had always assumed some sort of rate increases and
25 then usually in about the 2 percent range recently and in

1 many cases did not -- on most cases in the past did not go
2 forward and asked for those rate increases.

3 MR. BOB PETERS: The additional revenues
4 comes only then from the rate increases that were imbedded
5 into the IFF's?

6 MS. LYN WRAY: Yes. And again, just by way
7 of caution anything after the first two (2) test years is
8 nothing more than an assumption.

9 MR. BOB PETERS: And the assumptions that you
10 have used in IFF-01 and the one they used in IFF-02 was
11 always for a 2 percent rate increase starting in
12 approximately 2005 and going out, correct?

13 MS. LYN WRAY: Yes. The -- for the IFF 2002
14 forecast assumed 2 percent going out whereas our current
15 forecast in the so-called assumptions years is 2.5 percent.

16 MR. BOB PETERS: Okay. And you did have a 2
17 percent assumed rate increase in the IFF-01 for the 2004
18 fiscal year?

19 MS. LYN WRAY: Yes.

20 MR. BOB PETERS: That never came to pass?

21 MS. LYN WRAY: No.

22 MR. BOB PETERS: And why do you embed in your
23 IFF's an assumed rate increase?

24 MS. LYN WRAY: It's a reasonable assumption
25 that we would have modest rate increases to cover our costs.

1 Obviously we have overstated our rate requirements in the
2 past. But nonetheless I -- I think to have a forecast with
3 zero rate increases leads to a result in which our financial
4 targets aren't even approached.

5 So for realism we -- we have some form of rate
6 increase even beyond the years where we're asking for -- for
7 specific rate increases.

8 MR. BOB PETERS: And why has your assumed
9 rate increase in the assumption years as you've called them,
10 that would be 2007 and beyond, why has that gone up half a
11 percentage point to 2.5 percent?

12 MS. LYN WRAY: We -- we look at the impacts
13 on our long range financial targets and if we continued with
14 the 2 percents I -- I think the results would have been -- I
15 can't recall them exactly but it would have been debt ratios
16 at the end of the period that would have been higher than we
17 felt comfortable with.

18 MR. BOB PETERS: Can you indicate to the
19 Board whether the assumed rate increases in your IFF's have
20 ever been above the rate of assumed inflation?

21 MS. LYN WRAY: Not to my recollection.
22 Obviously back in the -- I think probably the 1980's we have
23 had rate increases significantly in excess of inflation or at
24 least very high -- very rate increases compared to what we
25 have in the current day.

1 But our planning assumptions have generally
2 had rate increases at or below the rate of inflation, on an
3 annual basis.

4 MR. BOB PETERS: And we know for the last
5 approximately eight (8) years there have been no rate
6 increases?

7 MS. LYN WRAY: That's correct, so on a
8 cumulative basis, even though you have rate increases in this
9 forecast that are somewhat above projected inflation,
10 certainly on a cumulative basis you're a lot less than --
11 than what inflation would be for that time period.

12 MR. BOB PETERS: That's still a difficult
13 sell to the consumers, I suspect, when you go door-to-door to
14 explain what's happening with their rates, they don't get
15 much comfort out of the fact that this is cumulatively below
16 accumulative inflation.

17 MS. LYN WRAY: I suppose that if -- if one
18 was looking at public relations, the best thing to have done
19 would have been to have had rate increases at inflation, in a
20 steady state, for the last ten (10) years and we would be in
21 a very strong position at that point to never go above the
22 rate of inflation.

23 MR. BOB PETERS: And the -- just so we're
24 clear, the assumed rate of inflation in your materials is 2
25 percent, going forward. Is that correct?

1 MS. LYN WRAY: Yes.

2 MR. BOB PETERS: All right. Moving down to
3 the -- the line items on the IFF comparisons, dealing with
4 extra provincial revenue, here we see a different trend and
5 that is the -- the extra provincial forecasts in IFF-01 were
6 about 515 million. They were about 520 million in '02 and
7 then in '03 they were down to three hundred and ninety-four
8 (394).

9 Do you agree with that?

10 MS. LYN WRAY: Yes.

11 MR. BOB PETERS: Can you indicate to the
12 Board the major reasons for that assumption revision?

13 MS. LYN WRAY: Well in -- certainly going
14 from IFF '02 to '03, we had lower export volumes due to the
15 drought. There were also some impacts at the tail end of the
16 forecast in terms of higher volumes because of Wuskwatim
17 being assumed in the IFF '03 forecast.

18 And there were also, as there is in all
19 forecasts, some changes in market prices assumed.

20 Another factor affecting extra provincial
21 revenues in the recent two (2) forecasts is that with higher
22 domestic load growth, there is less to sell on the export
23 market.

24 So there's a series of puts and takes but the
25 major two (2) would be the drought at the front end and then

1 Wuskwatim coming on at the tail end of the forecast.

2 MR. BOB PETERS: Can you indicate to the
3 Board the -- what impact, if any, have you attributed to the
4 drought when you're forecasting out for 2005 and 2006 under
5 the extra provincial revenue?

6 MR. HAROLD SURMINSKI: Generally out in time,
7 the forecast consists of all eighty-six (86). The
8 consequences of all eighty-six (86) flow conditions so the
9 consequences of severe drought are -- are built into the
10 average.

11 MR. BOB PETERS: You're basically -- you're
12 not giving any extra weight to the fact there was a drought
13 as you move out?

14 MR. HAROLD SURMINSKI: No, we do not.

15 MR. BOB PETERS: If I could just have a
16 minute, please.

17

18 (BRIEF PAUSE)

19

20 MR. BOB PETERS: Ms. Wray, while we're
21 looking at this extra provincial number, I just wasn't clear
22 as to what impact you attributed to the lower US exchange
23 rate in your IFF?

24 MS. LYN WRAY: The major change, and it's a
25 combination of the exchange rate and the drought is that in

1 importing more power at a lower exchange rate, actually, had
2 a benefit on the forecast in the early period.

3

4

(BRIEF PAUSE)

5

6

7 MR. BOB PETERS: Ms. Wray, looking to the
8 finance expense, which is on the top of the second unnumbered
9 page under Tab 21, it appears that overall finance expense in
10 2004, was initially forecast in IFF '01 to be around 494
11 million, it's gone up to 513 million, and then 472 million;
am I correct?

12

MS. LYN WRAY: Yes.

13

14 MR. BOB PETERS: And if we follow out those
15 line items, just comparing IFF '02 and '03, we see that
16 finance expense will increase by about \$494 million over the
ten (10) year planning horizon?

17

MS. LYN WRAY: Yes, that's correct.

18

19 MR. BOB PETERS: And that would be mostly due
20 to the capital projects that are being planned by the
Corporation?

21

22 MS. LYN WRAY: Yes, in the later years.
23 You'll see in the early years though, we actually have some
24 favourable variances, and that's due to a combination of the
25 lower US exchange rate and lower short term interest rates on
-- on our floating debt, as well as on our longer term debt.

1 MR. BOB PETERS: Looking at the comparison in
2 2003, you don't have the IFF-01-1 on your sheets, and I
3 understand that, but that number was \$492 million, and then
4 it ended up in IFF-02 at \$477 million.

5 Can you indicate to the Board what impact, if
6 any, did the special payment to the Province have on those
7 financing costs?

8 MS. LYN WRAY: Well, it went down -- the -- in
9 that particular year, finance expense went down from the
10 previous forecast, so there was a combination of things
11 happening, but one (1) of them was again, lower interest
12 rates, I believe and I think also foreign exchange impact.

13 MR. BOB PETERS: Just to refresh my memory,
14 was 2003 the year in which the bulk of the special payment
15 was made to the Province?

16 MS. LYN WRAY: Yeah, I think at the beginning
17 of the year.

18 MR. BOB PETERS: And so the impact of that --
19 that payment would actually affect the 2004 fiscal year?

20 MS. LYN WRAY: Well, I think the -- the
21 payment was made actually at the beginning of the 2002/03
22 fiscal year. So it would have affected that year. And that
23 was the year in fact in which our finance expense went down
24 from the previous forecast.

25 MR. BOB PETERS: As a result of favourable

1 interest rates on -- on the debt?

2 MS. LYN WRAY: Well, it's very hard when you
3 look at our finance expense, to -- to say what's attributable
4 to what. There's things moving in different directions, but
5 on a net basis, I would think that the -- the major change
6 was US -- partly an accounting issue with respect to US
7 exchange, and partly interest rates.

8 MR. VINCE WARDEN: I might just add, we had
9 some very favourable gains on sinking fund investments in
10 that year as well, that we took into income.

11 MR. BOB PETERS: All right. Thank you for
12 that, Mr. Warden.

13 On this finance expense when we see the impact
14 over the ten (10) year planning horizon, would it be correct,
15 Ms. Wray, that incurring the additional debt over this
16 horizon will also impact the income statement by about the
17 same amount?

18 MS. LYN WRAY: I don't really understand your
19 question? You're saying, will the 494 million show up on the
20 income statement? And the answer is, yes, because these are
21 comparisons of -- of income statement items.

22

23

(BRIEF PAUSE)

24

25

MR. BOB PETERS: On the depreciation line

1 item, there was a depreciation rate change implement, I think
2 in April of 2002, is that correct?

3 MR. WILLIE DERKSEN: Yes, that's correct.

4 MR. BOB PETERS: Can you explain briefly what
5 happened then, Mr. Derksen?

6 MR. WILLIE DERKSEN: Periodically the company
7 per -- has a depreciation study performed and what that does
8 is takes a review of the company's experience in terms of
9 retirements of its assets and recommends updated depreciation
10 rates based upon the experience.

11 The result of that depreciation study was
12 generally a reduction to depreciation rates which related to
13 longer asset lives expected although in the earlier years
14 there was an increase that was also reflected due to
15 accelerating depreciation on some computer assets.

16 MR. BOB PETERS: So the impact from
17 approximately April of 2002 through to April of 2006 has been
18 about \$4.7 million, Mr. Derksen? Or roughly a million
19 dollars a year?

20 MR. WILLIE DERKSEN: I don't think that would
21 be fair, a million dollars a year. I think in the early
22 years it was up \$4 million and in the later years, it's down
23 about \$4 million as a result of the depreciation study. The
24 cumulative amount could be the amount that you're
25 referencing.

1 MR. BOB PETERS: Was there anything
2 significant that came out of that new study?

3 MR. WILLIE DERKSEN: Well, other than what
4 I've indicated which is generally longer service lives
5 expected, no.

6 MR. BOB PETERS: And Mr. Derksen, do you find
7 your depreciation rates are relatively consistent with other
8 jurisdictions? Have you -- have you looked into that?

9 MR. WILLIE DERKSEN: Yes, basically they are.
10 There are some anomalies, I think, that we pointed out on
11 motor vehicle costs but I think everything else is in line
12 with -- with other jurisdictions.

13 MR. BOB PETERS: Mr. Derksen -- just a minute.

14

15 (BRIEF PAUSE)

16

17 MR. BOB PETERS: Mr. Derksen, can you confirm
18 that the \$119 million of additional depreciation expense is
19 attributable to -- to the higher capital expenses rather than
20 the change in depreciation rates?

21 MR. WILLIE DERKSEN: The main factor would be
22 the higher capital expenditures, that's correct. The change
23 in depreciation rates would, in fact, provide a little bit of
24 an offset to that.

25 MR. BOB PETERS: In turning to the cost of

1 operations line item, is this the line item where the Board
2 would expect to see productivity gains surface?

3 MR. WILLIE DERKSEN: It would be primarily in
4 that line item, yes.

5 MR. BOB PETERS: Am I correct in looking at
6 the document at Tab 21, Mr. Derksen, that over the forecast
7 period the costs have increased since IFF MH 02-1 was done by
8 about \$44 million?

9 MR. WILLIE DERKSEN: That's the cumulative
10 amount, yes.

11 MR. BOB PETERS: In the IFF-01 of '01 for the
12 year 2004, the cost of operations was forecast at about 266
13 million and then we see here in Tab 22 that it shows up in
14 IFF-02 at 303 million and is roughly 304 million in IFF-03.

15 Mr. Derksen, can you tell the Board what were
16 some of the factors that gave rise to the -- to the increase
17 from 266 million to 303 million?

18 MR. WILLIE DERKSEN: Yes, the main factor is
19 the acquisition of Winnipeg Hydro which added \$33 million to
20 the operating costs. The other significant factor that has
21 been included in here is an increase in pension and benefit
22 costs in the order of approximately \$10 million.

23 MR. BOB PETERS: Can you explain why the
24 pension benefit costs went up approximately \$10 million?

25 MR. WILLIE DERKSEN: There were a few factors

1 that contributed to that. One of -- one of them had to do
2 with a reduction to the discount rate that's being used to
3 value the liability. The discount rate relates to the -- a
4 long term borrowing rate that the company is able to achieve.
5 As the borrowing rate and general interest rate reduces, it's
6 appropriate to also reduce the discount rate.

7 Another factor has to do with some actuarial
8 updates. I believe the mortality tables were changed since
9 the last go around.

10 And lastly, there was some -- lastly there was
11 an impact of the fund performance, the funds as many other
12 pension funds had done, had taken a significant hit in was it
13 2002?

14 MR. BOB PETERS: Was that actuarial report,
15 and internal report, Mr. Derksen, or was that generated
16 externally?

17 MR. WILLIE DERKSEN: The actuarial
18 recommendations are performed by an independent actuary.

19

20

(BRIEF PAUSE)

21

22 MR. BOB PETERS: Mr. Warden, one (1) of the --
23 one (1) of the expectations on the Corporation may be that
24 they would find internal efficiencies to pay for the rate
25 increases that they're otherwise asking of the Board, and

1 that would be a reasonable expectation, would it not?

2 MR. VINCE WARDEN: I'm sorry, a reasonable
3 expectation that we would find internal efficiencies to
4 offset any rate increases that we might otherwise request?

5 MR. BOB PETERS: Let me -- let me reword it.
6 Would it be a reasonable expectation that Manitoba Hydro
7 would -- would first exhaust internal efficiencies, rather
8 than -- before coming to the Board, seeking rate increases?

9 MR. VINCE WARDEN: Yes. I agree with that,
10 yes.

11 MR. BOB PETERS: And in the expenses in IFF-
12 03-1, for 2004, expenses in the neighbourhood of over a
13 billion and a half dollars. Can you explain to the Board why
14 Manitoba Hydro couldn't find approximately a 2 percent
15 efficiency gain there, to pay for the \$28 million that you're
16 seeking in the first year of the rate increase?

17 MR. VINCE WARDEN: Because we run a very lean
18 organization, there just aren't efficiencies there, or
19 otherwise we would have already captured them.

20 MR. BOB PETERS: How regularly do you review
21 that, and how -- how do you -- how do you determine that year
22 over year?

23 MR. VINCE WARDEN: We go through a very
24 extensive budgeting process every year, and through regular
25 reports to management, at least monthly reports to

1 management, we -- we look at our progress towards retaining
2 those budgets. So, we have strict internal controls that we
3 -- we follow, to make sure that we're achieving our -- our
4 targets.

5 MR. BOB PETERS: Do you keep track of internal
6 productivity gains?

7 MR. VINCE WARDEN: Well, productivity gains
8 are built into our -- into our budgeting exercise, yes. So,
9 we generally, on a general basis, we expect productivity
10 gains of approximately 1 percent per year to be realized, and
11 we've been quite successful in realizing that.

12 MR. BOB PETERS: What does that translate to
13 in dollars?

14 MR. VINCE WARDEN: Well, if we look at the
15 operating and administrative line, and the cost of operations
16 line, which is \$304 million, according to the document, at
17 Tab 21, 1 percent of that number would be in the range of \$3
18 million per year productivity savings.

19 MR. BOB PETERS: Rather than measure it, you
20 say you build it into your budgets?

21 MR. VINCE WARDEN: Well, by -- by building it
22 into our budgets, we are in effect, ensuring that by meeting
23 those budgets, we are realizing those productivity gains.

24 MR. BOB PETERS: Are you telling the Board
25 that -- that you always meet your budgets?

1 MR. VINCE WARDEN: There are exceptions when
2 we don't meet our budgets, but if -- if we don't, we
3 certainly know the reason why, and there could be a major
4 storm, for example, which would be totally beyond our
5 control, and might cause us to go over budget. But even in
6 that circumstance, where there is a major storm, we work very
7 hard to recoup that elsewhere.

8 MS. LYN WRAY: If I can just add to that,
9 that although we generally meet our budgets overall, there
10 are sacrifices, if you will, being made by some areas to try
11 to offset unavoidable cost overruns elsewhere.

12 We rarely get what we ask for in terms of when
13 departments put together their budgets and we -- as is
14 expressed in our materials, we go through a process at a
15 departmental and divisional level as well, where we try to --
16 to remove extraneous types of needs.

17 But beneath the surface of the -- the overall
18 forecast are a number of department -- departmental and
19 divisional budgets and it -- it does require a fair amount of
20 juggling to try to meet those targets which already have the
21 1 percent productivity built in.

22 MR. BOB PETERS: Mr. Warden or Ms. Wray,
23 under the cost of operations line on the IFF, did Manitoba
24 Hydro have a 1 percent per year efficiency gain in fiscal
25 2002/03 and 2003/04?

1 MR. VINCE WARDEN: As a matter of fact, I
2 believe the productivity gains that we had built in to those
3 forecasts were higher than the 1 percent. If I can just take
4 -- I'll just confirm that.

5 Yes, in response to CAC-II-13, in fact, we do
6 speak to the amount of productivity factors are built into --
7 into the forecast.

8 MR. ROBERT MAYER: While we're waiting, when
9 we did the status update hearing, we actually did the issue
10 of the -- of the savings, the synergies you were going to
11 achieve upon the acquisition of Centra Gas.

12 You gave us a number of staff years, you --
13 equivalent something or others, we call them staff years, you
14 people call them something else.

15 And you were going to save -- make some
16 significant synergy savings as a result of reducing those
17 number of staff years as the total combined between Centra
18 and Hydro.

19 Now I understand that when you acquired
20 Winnipeg Hydro, you also acquired the employees with a
21 guarantee of employment and I'm assuming that results for
22 some of the increase.

23 But have we lost track of those synergy
24 savings on the staff years that we were supposed to have
25 during -- with the acquisition of Centra, because I do seem

1 to -- it does seem to appear that your number of -- what I
2 will call employees, but number of staff years, seems to be
3 going up over the past few years.

4 MR. VINCE WARDEN: Well I can tell you we
5 definitely haven't lost track. As a matter of fact, we make
6 regular reports to our -- the Manitoba Hydro Board as to our
7 progress in attaining those synergies and I can give you some
8 fairly rough numbers but the -- the synergies we estimated
9 when we acquired Centra Gas were in the range of \$16 million
10 per year. That was the estimate we estimated -- that we --
11 at that time thought we would achieve.

12 We've -- to the end of this last fiscal year
13 -- perhaps I'll back up a little bit, at the status update,
14 we had -- we agreed there -- I think we got agreement that
15 the amount of synergies we attained were approximately \$13
16 million and we had \$3 million left to achieve at that point
17 in time.

18 According to the most recent update that we've
19 done, we're down to \$1 million and, as a matter of fact, the
20 actual costs in Centra Gas were -- are now lower year over
21 year than they were -- that is in '03/04 they were lower than
22 they were in '02/03 by approximate -- approximately \$1
23 million.

24 We think we've got another million dollars to
25 find and we'll get that when we do amalgamate the billings

1 systems.

2 So we're tracking those synergies very
3 closely.

4 MR. ROBERT MAYER: Thank you. I -- I
5 recognize how that Mr. Harper had a different view as to how
6 much your actual synergy -- synergy savings were, but I'm not
7 sure what the end result --

8 MR. VINCE WARDEN: Well, yes. The numbers
9 are the numbers and we believe our numbers.

10 MR. BOB PETERS: Mr. Chairman, in light of
11 the hour, perhaps this is an appropriate time to take the
12 lunch recess and I'll start again after lunch and I'm
13 expecting to complete this afternoon.

14 MR. DAVID CORMIE: Mr. Chairman, before we
15 break for lunch I have a response to an undertaking we took
16 on this morning with regard to our operations planning
17 criteria. If we could provide now so that the Board may
18 consider it over the noon hour.

19 THE CHAIRPERSON: Please proceed.

20

21 (BRIEF PAUSE)

22

23 THE CHAIRPERSON: This will be Manitoba Hydro
24 Exhibit, I think we're at 18?

25

1 --- EXHIBIT NO. MH-18: Manitoba Hydro Operations
2 Planning Criteria.
3

4 MS. PATTI RAMAGE: Yeah, 18 is my count.

5 THE CHAIRPERSON: 18 is it? Well thank you
6 very much, Mr. Cormie. We will break now and just to remind
7 everyone, I think we indicated yesterday that we would return
8 today at -- at 1:30. Thank you.
9

10 --- Upon recessing at 12:00.

11 --- Upon resuming at 1:34 p.m.
12

13 THE CHAIRPERSON: Okay folks, we might as
14 well get back to it. Mr. Peters if you're not tired out?

15 MR. BOB PETERS: Thank you for the concern
16 and I'm getting there but I'm hoping that this is the home
17 stretch. And I'm -- I think My Friends opposite are wagering
18 heavily on that so we'll try to .
19

20 (BRIEF PAUSE)
21

22 CONTINUED BY MR. BOB PETERS:

23 MR. BOB PETERS: Mr. Warden before the lunch
24 recess, we were talking about budgeting and cost efficiencies
25 and you indicated to the Board that you build into your

1 budgets some -- some reduced expenditures of savings is -- is
2 how I think you indicated, is that correct?

3 MR. VINCE WARDEN: We build into the budgets
4 productivity savings, yes, we do.

5 MR. BOB PETERS: And you drew the Board's
6 attention to an interrogatory CAC/MSOS MH-II-13 which I had a
7 chance to look at over the lunch break. And in that
8 interrogatory the answer talks about productivity factors
9 included in the various operating budgets and that's what you
10 were referring to before lunch I take it?

11 MR. VINCE WARDEN: Yes, that's correct.

12 MR. BOB PETERS: And the productivity factors
13 that are built into the budgets, what I wanted to get from
14 you, sir, was has the productivity factor materialized after
15 the year is over when it's -- when you're able to measure the
16 -- the forecast or the budget against the actual
17 expenditures?

18 MR. VINCE WARDEN: Yes. And -- and I think
19 alluded to that, we do check -- track that every month and as
20 a matter of fact for 03 -- the year '03, '04 we did come in
21 under budget so we did achieve the productivity factor we
22 were striving for.

23 MR. BOB PETERS: Can you tell the Board how
24 much under budget or what additional productivity savings you
25 were able to embed?

1 MR. VINCE WARDEN: Yes, if you just give me a
2 second I should be able to come up with that number.

3
4 (BRIEF PAUSE)

5
6 MR. VINCE WARDEN: Sorry for the delay Mr.
7 Peters. I wanted to make sure I gave you the electricity
8 operations only and we have both consolidated which would
9 include all of the subsidiaries and electricity alone.

10 But looking at electricity alone, we came in
11 at \$283.4 million which was 20 million -- \$20.2 million lower
12 than -- than what our forecast was.

13 This is still somewhat preliminary and so I
14 would like to verify those numbers but that's what I have at
15 this time.

16
17 (BRIEF PAUSE)

18
19 MR. VINCE WARDEN: I wouldn't want to leave
20 the impression that all that \$20 million was productivity
21 savings. There's a -- a number of factors that entered into
22 that.

23 We -- I think Mr. Derksen referred earlier to
24 the increase in the pension costs because of the performance
25 of the pension fund in 2002/2003, that actually rebounded in

1 '03/'04 -- or recovered that is. And so part of that \$20
2 million favourable variance from budget was because of the
3 recovery in the pension performance during the year '03/'04.
4 So, not totally productivity.

5 MR. BOB PETERS: Are you going to provide a
6 breakdown between productivity and what was related to the
7 pension, Mr. Warden?

8 MR. VINCE WARDEN: Yes, I can provide a
9 further breakdown of that. Yes.

10 MR. BOB PETERS: All right. I appreciate
11 that undertaking.

12
13 --- UNDERTAKING NO. 15: Provide a breakdown between
14 productivity and what was related
15 to the pension.
16

17 MR. BOB PETERS: While we're talking
18 generally about cost control procedures, Mr. Warden. You
19 told the Board about how you deal with it internally. Does
20 the corporation engage any external consultants on the
21 evaluations or suggestions for efficiency improvements?

22 MR. VINCE WARDEN: From time to time we do
23 have consultants come in and look at various aspects of our
24 business. Most recently we had Deloitte and Touche conduct a
25 review of our risk management practices and -- and confirm

1 that we were, in their words, leading edge for Canadian
2 utilities.

3 But, as far as the overall efficiency of the
4 -- of operating, no. And that would be fairly difficult for
5 somebody to come in and do that without knowing our business
6 and so I wouldn't -- I never contemplated doing that. We --
7 we operate differently than does Sask Power or -- or BC
8 Hydro, Hydro Quebec. We all have our unique circumstances
9 and to come in and do a comprehensive review, I just don't
10 think would be cost effective for us.

11 MR. BOB PETERS: You don't recall that having
12 been done then in the past?

13 MR. VINCE WARDEN: It hasn't been done in the
14 past in -- in my recollection, no.

15 MR. BOB PETERS: Mr. Warden, that Deloitte
16 and Touche study on risk management, is that different from
17 the one (1) that Mr. Cormie had talked to me about?

18 MR. VINCE WARDEN: Yes, that is a different
19 -- different review.

20 MR. BOB PETERS: How -- how recent was that
21 done?

22 MR. VINCE WARDEN: That was done, I believe,
23 February -- February/March in that time-frame.

24 MR. BOB PETERS: Of '04?

25 MR. VINCE WARDEN: Yes.

1 Net Loss for Fiscal Year Ending
2 in March 31st of 2004.
3

4 MR. BOB PETERS: And if we're onto it, Sir, I
5 expect that I will be referring with this panel shortly to
6 the other document which is really a worksheet on a
7 comparison of payments to the Province and with your
8 permission, I would suggest we mark that as Exhibit PUB
9 number 9 and I'll refer that to the witnesses at that time
10 and those are the only two (2) that I have, sir.

11 THE CHAIRPERSON: Thank you.
12

13 --- EXHIBIT NO. PUB-19: Worksheet showing comparison of
14 payments to the Province.
15

16 (BRIEF PAUSE)
17

18 CONTINUED BY MR. BOB PETERS:

19 MR. BOB PETERS: Mr. Warden, now that we've
20 marked Exhibit Manitoba Hydro 19, that contains the -- the --
21 the -- the narrowed range of the net loss attributable to the
22 electrical side of the operation for the year ending March
23 31st, 2004.

24 Is that correct?

25 MR. VINCE WARDEN: Yes, that's correct.

1 MR. BOB PETERS: Would I -- would I also be
2 correct in that we're still expecting Manitoba Hydro to find
3 out whether or not it can, in some way, shape or form, speed
4 up a process where a more comprehensive forecast or other
5 document can be provided to provide the actual audited
6 results from March 31st, 2004?

7 MR. VINCE WARDEN: Well, no, actually I was
8 hoping this would serve that purpose. I -- I don't expect
9 that we'll be able to speed up the process that's provided
10 for in the Act -- the Crown Corporation's Act. So if there's
11 something more that you need other than this range I've
12 provided, I guess I could investigate that further but it
13 wasn't my intention to do that at this time.

14 MR. BOB PETERS: All right. Then thank you
15 for that and maybe just leave it with us and I'll notify you
16 and the Board and your Counsel on the record if there's
17 anything further.

18 If you could, Mr. Warden, document number 22
19 in the book of documents that's been handed out is a PUB
20 Manitoba Hydro First Round Question 21 and your response to
21 it, this was operation, maintenance and administration costs
22 by various business groups within the Corporation as I
23 understand the document.

24 Have you located that?

25 MR. VINCE WARDEN: Yes, I have.

1 MR. BOB PETERS: And what this document was
2 asked to provide was a measure of Manitoba Hydro's actual
3 OM&A costs by business unit and bring into the mix the
4 Winnipeg Hydro additions as well as the additions only
5 attributable to Manitoba Hydro and that's what is being done
6 here.

7 Am I correct?

8 MR. VINCE WARDEN: It is.

9 MR. BOB PETERS: So when I look at the
10 president and CEO, that business group was at \$15.7 million
11 back in the year ending March of 2002 and since then there's
12 been about \$4.2 million of additional costs in that business
13 group, is that correct?

14 MR. VINCE WARDEN: I'm sorry, Mr. Peters. I
15 -- would you just repeat the last part of that question?

16 MR. BOB PETERS: Yeah, let me -- let me phrase
17 it this way: When the Board last saw Manitoba Hydro's
18 operating and administrative costs, those were done and
19 forecast and now those are turned to actual and that's the
20 column that's under 2001/02 Manitoba Hydro Actual?

21 MR. VINCE WARDEN: Yes.

22 MR. BOB PETERS: And then in addition to that
23 you've since acquired -- since appearing before the Board
24 you've acquired Winnipeg Hydro and the costs that you are
25 attributing to Winnipeg Hydro by the same business groups are

1 then shown in the -- under the Winnipeg Hydro 2003/04 column?

2 MR. VINCE WARDEN: Yes.

3 MR. BOB PETERS: And the column that's
4 entitled, "Manitoba Hydro Changes" represents only those
5 additions or reductions in expenditures that are related to
6 Manitoba Hydro's operations exclusive of Winnipeg Hydro
7 additions?

8 MR. VINCE WARDEN: To -- to move from the
9 2001/02 actual cost to -- to 2005/06 forecast, yes, that's
10 correct.

11 MR. BOB PETERS: All right. Just by taking on
12 Winnipeg Hydro, that's added \$1.587 million to the president
13 and CEO business unit of the Corporation?

14 MR. VINCE WARDEN: Yes.

15 MR. BOB PETERS: And in addition to those
16 expenditures that are added, Manitoba Hydro also had another
17 \$4.248 million dollars attributable to the same Business Unit
18 from 2001 to 2005?

19 MR. VINCE WARDEN: Yes.

20 MR. BOB PETERS: Can you explain to the Board
21 in general terms what that \$4.2 million dollars includes?

22

23

(BRIEF PAUSE)

24

25 MR. VINCE WARDEN: Mr. Peters, Ms. Ramage has

1 just brought to my attention the fact that there were --
2 there were some revisions to that response contained in -- in
3 Tab 22. And I believe we would probably -- it would be
4 better if we -- if we updated that document before we --
5 before we spoke to the numbers.

6 MR. BOB PETERS: All right. I wasn't going
7 to drill down to too many of them but --

8 MS. PATTI RAMAGE: We have revised copies
9 available now. As I -- I had spoken to Mr. Peters at the
10 break, the revisions don't affect the totals but it was the
11 numbers themselves.

12 So, given that we're going to -- to the
13 numbers in the columns perhaps just so that we're working
14 from the correct numbers that the -- the electric cost of
15 operations totals don't change.

16 But for the purposes of running through this I
17 would suggest we'll pass out the revised answer with the
18 corrected numbers.

19

20

(BRIEF PAUSE)

21

22

23 MR. BOB PETERS: With Ms. Ramage's
24 concurrence I suggest we mark this for the record as Exhibit
25 Manitoba Hydro number 20 and recognize that it's a revised
response to PUB/MH-I-21 which document is also found in the

1 unrevised form at Tab 22 of the Document Brief that I
2 circulated.

3

4 --- EXHIBIT NO. MH-20: Revised response to PUB/MH-I-21.

5

6

THE CHAIRPERSON: So marked.

7

8 CONTINUED BY MR. BOB PETERS:

9

10 MR. BOB PETERS: Thank you. Mr. Derksen or
11 Mr. Warden, just looking at Manitoba Hydro, Exhibit 20, which
12 is the revised document, I'm wondering if you can advise the
13 Board as to what led to the \$4.793 million dollars increase
14 under the President and CEO function of the Corporation from
15 2002 through to fiscal 2006.

16 MR. VINCE WARDEN: Sure. Part of that, of
17 course, would just be the normal inflationary increases that
18 would occur from year to year. In the President's account
19 though, when we go over the budgets at -- at Executive
20 Committee, Mr. Brennan will take the prerogative of taking --
21 taking into his responsibility area any unallocated amounts.

22 That is if the Business Units have increases
23 that he considers are over and above what he is prepared to
24 approve and yet the bottom line is still reasonable -- the
25 bottom line increase overall is reasonable, he'll take a
contingency amount into his area.

1 And that's what happened in that particular
2 case. He's actually got of -- of that 4.8 million
3 approximately 2 million is the contingency that he kind of
4 holds in reserve for doling out for special events that might
5 -- might occur -- occur over that time period. So that's --

6 MR. BOB PETERS: All right. Thank -- thank
7 you for that. I see the bottom line numbers didn't change so
8 it was just a shuffling of the numbers amongst and between
9 the various business units that's transpired with the
10 revision?

11 MR. VINCE WARDEN: That's right.

12 MR. BOB PETERS: And if I do look at the
13 bottom line numbers, Manitoba Hydro's O & A costs, back to
14 fiscal '02, were 242 million and they've increased by 34
15 million. Have I got that right? Just -- just the Manitoba
16 Hydro ones excluding the Winnipeg Hydro ones.

17 MR. VINCE WARDEN: That -- that's correct,
18 yes.

19 MR. BOB PETERS: That's roughly a 15 percent
20 increase; would you agree, maybe subject to check?

21 MR. VINCE WARDEN: Yes, I agree that's
22 roughly a 15 percent increase.

23 MR. BOB PETERS: And it --

24 MR. VINCE WARDEN: I think though you
25 probably -- to do that correctly, we probably should be

1 adding Winnipeg Hydro numbers into the base and then
2 recalculating the increase over -- because part of that
3 increase would be attributable increases on Winnipeg Hydro
4 base as well. So I think the increase will be something less
5 than 15 percent.

6 MR. BOB PETERS: Okay, fair enough. But if
7 inflation was the -- was the driver, than instead of a
8 roughly 15 percent increase, that should have been closer to
9 an 8 percent increase, should it not?

10 MR. VINCE WARDEN: Yeah, I agree. And there
11 would -- there would be programs that come up during that
12 period of time.

13 For example, one (1) of the new initiatives
14 that -- that was introduced into the budgeting process during
15 that period would have been the export marketing area which,
16 under David Cormie, as we discussed this morning.

17 That area has grown somewhat as the -- the
18 whole function of export marketing has grown over that period
19 of time. So there would have been minimal costs included in
20 '01/'02. Recognizing that is an important initiative for the
21 corporation, we have devoted more resources to that area and
22 so that cost would be included in the '05/'06 forecast.

23 MR. WILLIE DERKSEN: Well, Mr. Peters, we
24 talked about the increases in pension and benefit costs and
25 they're incorporated into here as well. So ten (10) to \$12

1 million dollars of that increase relates to that -- those
2 pension increases.

3 THE CHAIRPERSON: Are the pension increases
4 continuing and ongoing?

5 MR. VINCE WARDEN: No, the 12 million dollars
6 was -- that Mr. Derksen referred to was to recoup some of the
7 experienced losses that we had in -- in '02/'03 and we've
8 recovered in '03/'04. So those -- about -- of the 12 million
9 dollars, there would be about 6 million dollars left to be
10 recovered. And that would be reflected in the next -- in the
11 next update to the -- to the forecast.

12 MR. BOB PETERS: With those comments, Mr.
13 Derksen and -- and Mr. Warden, would you agree with me that
14 any productivity gains that may have been realized were then
15 usurped by either new initiatives or some other factor?

16 MR. VINCE WARDEN: I guess I would prefer to
17 look at performance as opposed to what we might have in our
18 budget. I -- I know for sure, by looking backwards, that our
19 productivity gains have been certainly realized and we do
20 incorporate productivity gains in the forecast going forward.
21 We do add new initiatives and then take from -- from that,
22 subtract any productivity gains.

23 Have they been usurped by new initiatives? I
24 -- I wouldn't like to quite express it that way. I -- I
25 think we're always striving for productivity gains and take

1 great pains to achieve them.

2 Having said that, there are new initiatives
3 that come along that are of benefit to the corporation as
4 rate payers going forward and we make a business -- a
5 business decision on those initiatives.

6 But having said all that, there are -- there
7 is, as you pointed out, a net increase over that period of
8 time that would appear on the surface not to include
9 productivity gains but I assure you they are there.

10 MR. BOB PETERS: Well in terms of capitalized
11 overheads which is an item shown on the second last line, can
12 you explain what that item is, Mr. Derksen or Mr. Warden?

13 MR. WILLIE DERKSEN: Yes, capitalized
14 overhead is the amount of overhead costs. And overhead
15 includes primarily administrative costs such as executive and
16 finance and also includes facilities' costs and computer
17 costs. And this is the amount of those administrative costs
18 that are allocated to capital activities and therefore are
19 capitalised as part of our capital program.

20 MR. BOB PETERS: Does that include everything
21 from salaries to rent and the like, Mr. Derksen?

22 MR. WILLIE DERKSEN: Yes, salaries, rent,
23 depreciation, interest; those sorts of things.

24 MR. BOB PETERS: Why does Manitoba Hydro
25 capitalize those as opposed to expense some of that?

1 MR. VINCE WARDEN: The decision as to whether
2 or not to capitalize depends on whether there's a future
3 benefit. So, we're striving to match costs with benefits and
4 recover them from the ratepayers in the -- in the period in
5 which those benefits are -- are derived.

6 So, capitalization does that. It moves
7 forward costs incurred in one period to future periods to --
8 to match up with benefits during those periods.

9 MR. BOB PETERS: Is that exercise gone through
10 for each and every item that is capitalized, Mr. Warden?

11 MR. VINCE WARDEN: Well, the -- the whole
12 process of capitalization is based on a -- on certain cost
13 drivers.

14 So, for example, we have activity rates
15 associated with labour that carry a portion of overhead that
16 is depending on the -- on the project being worked on by
17 employees can be charged into future periods based on the
18 rates associated with those activities.

19 MR. BOB PETERS: Mr. Derksen or Mr. Warden,
20 can you explain to the Board the line item called, 'Operating
21 and Administration Charged to Centra, \$53.2 million in
22 '01/'02 up to 56.8 in '05/'06'?

23 MR. WILLIE DERKSEN: Yes, the company operates
24 in an integrated and the costs that are incurred on behalf of
25 gas operations are charged to Centra gas and that's what that

1 line represents.

2 MR. BOB PETERS: So, if the Board was to check
3 the -- the statements from Centra Gas Manitoba Inc., this
4 number would be carried across as the operating and
5 administrative costs for that portion of the business?

6 MR. WILLIE DERKSEN: Yes, that's correct.

7 MR. BOB PETERS: All right. What about
8 corporate allocations and adjustments? This is a downward
9 adjustment, Mr. Derksen?

10 MR. WILLIE DERKSEN: That line includes things
11 like the reclassification of payroll taxes from operating
12 expense. It's included in our operating budgets of
13 departments and -- and activity rate calculations but then
14 it's reclassified as a tax expense. So, there's a credit in
15 that -- in that area to remove it from operating expense to
16 reclassify it as a tax expense.

17 There's also an adjustment in there for
18 vehicle lease rates. Vehicle costs are charged to
19 departments on the basis of what we call a lease rate and it
20 includes departmental costs, depreciation interest and
21 repairs and materials, gas, insurance and those sorts of
22 things.

23 And in that line is re -- what's removed is
24 the depreciation and interest which is reclassified again as
25 depreciation and interest respectively. And also there would

1 be a double-up component included in operating costs.

2 The vehicle -- the department that's
3 responsible for maintaining vehicles is included in the
4 operating costs but its charges are also included in the
5 lease rate calculations that are charged to other
6 departments.

7 Now, further in that line are general re --
8 unallocated reductions that we've talked about earlier.
9 There are reductions -- unallocated synergy reductions in
10 2005/06 of about \$3 million relating to Winnipeg Hydro and
11 there are some other reductions relating to the new computer
12 system implementations and some general reductions that
13 haven't been allocated to specific departments.

14 Finally, in that -- in that category, there
15 are some other costs that -- and credits, that are just not
16 allocable to specific departments and therefore they're --
17 they stand alone are -- and are captioned in -- in that
18 category.

19 MR. BOB PETERS: Thank you for that, Mr.
20 Derksen, but with -- following your further -- your last
21 answer, it appears that this corporate allocations and
22 adjustments essentially doubled for Manitoba Hydro's
23 operations from fiscal '02 to fiscal '06.

24 Would that be correct?

25 MR. WILLIE DERKSEN: Yes, that's correct.

1 MR. BOB PETERS: What was the major driver for
2 that or the major drivers, plural?

3 MR. WILLIE DERKSEN: The major driver for
4 that is the general reductions that have increased quite
5 significantly. In 01/02 there are no general reductions and
6 in the forecast there are approximately, I think \$8 million
7 dollars of general reductions that will be -- are expected to
8 be achieved but haven't been allocated to departments.

9 Other things that are -- that have caused the
10 increase would be in the 2001/02 actual what's included in
11 that fourteen million six hundred and thirty-nine thousand
12 (14,639,000) is a charge of about \$3 million dollars related
13 to benefits costs and that debit to that charge will not be
14 in there in 2005/06. So that causes a \$3 million dollar
15 increase to it. As well, there's a few other odds and ends
16 like that, that cause increases.

17 MR. BOB PETERS: When it comes time to -- to
18 assessing the overall impact of these operating and
19 administrative charges, one of the things the Corporation
20 looks at, Mr. Warden, is -- is various benchmarks. Would
21 that be correct?

22 MR. VINCE WARDEN: We do look at various
23 benchmarks, yes.

24 MR. BOB PETERS: And one of the benchmarks is
25 operating and administrative costs per customer. And I

1 believe that was referred to in previous evidence from the
2 Panel?

3 MR. VINCE WARDEN: Yes, that's one of the
4 benchmarks.

5 MR. BOB PETERS: And at Document 23 in the
6 Book of Materials that has been circulated is a copy of
7 interrogatory CAS/MSOS-MH-II-56, and is it correct to
8 interpret that -- that in the 2002/03 year the OM & A cost
9 per customer from Manitoba Hydro was estimated at six hundred
10 and seven dollars (\$607) per customer?

11 MR. VINCE WARDEN: Yes.

12 MR. BOB PETERS: And the following year, in
13 2004 that amount went down to five eighty-nine (589) per
14 customer?

15 MR. VINCE WARDEN: Yes. As indicated here
16 those are in constant dollars so, yes, but I agree with that
17 number.

18 MR. BOB PETERS: And would you agree with me
19 that the -- the major event for the Corporation at that time
20 line was the acquisition of Winnipeg Hydro?

21 MR. VINCE WARDEN: Yes.

22 MR. BOB PETERS: Would it be fair to say then
23 that the acquisition of Winnipeg Hydro and its lower cost per
24 customer allowed the overall average cost per customer to
25 come down?

1 MR. VINCE WARDEN: Yes.

2 MR. BOB PETERS: Why did -- why do you
3 believe Winnipeg Hydro was able to operate with a lower
4 operating and administrative cost per customer than can
5 Manitoba Hydro?

6 MR. VINCE WARDEN: It was primarily because
7 of the density of the population in the City of Winnipeg so
8 the cost to serve in are -- are proportional to the geography
9 of that we -- we -- of the customers we serve.

10 MR. BOB PETERS: The -- I think it was the
11 Canadian Electricity Association did some bench-marking also
12 on revenues for full-time employee of the company. And just
13 by way of reference, although it's not included in the Book
14 of Documents, Appendix 14 found in Volume 7, had a -- had a
15 study done; the 2002 COPE Executive Summary. Are you
16 familiar, generally, with that, Mr. Warden?

17 MR. VINCE WARDEN: Yes. I'm generally
18 familiar.

19 MR. BOB PETERS: Do you -- do you know
20 whether or not Manitoba Hydro participated in that 2002
21 Summary?

22 MR. VINCE WARDEN: Yes, we've been a member
23 of COPE for a number of years so we would have participated
24 in that.

25 MR. BOB PETERS: And as I understand, the

1 document and I thank your counsel for -- for producing it for
2 you, with nine (9) utilities involved in the study, the
3 revenue per full-time equivalent employee worked out to about
4 five hundred and fifty-nine thousand dollars (\$559,000) per
5 employee.

6 MR. VINCE WARDEN: Do you have the reference
7 on that?

8 MR. BOB PETERS: I think it might be on the
9 Corporate overview on Page 2, if you're leafing through it.

10 MR. VINCE WARDEN: Okay, yes, I see that.

11 MR. BOB PETERS: So you'd agree that it was
12 approximately five hundred and sixty thousand dollars
13 (\$560,000) of revenue per full-time equivalent employee?

14 MR. VINCE WARDEN: Yes.

15 MR. BOB PETERS: And when Manitoba Hydro was
16 asked in PUB-MH-II-IR-60 to find out what was the total
17 revenue per full-time equivalent employee in Manitoba for the
18 same year, the answer was three hundred and sixty thousand
19 dollars (\$360,000).

20 Will you accept that, subject to check?

21 MR. VINCE WARDEN: I'll accept that, subject
22 to check, yes.

23 MR. BOB PETERS: So what I see here is, based
24 on a survey of nine (9) utilities, the Canadian Electricity
25 Association is saying that there should be approximately six

1 (6) -- five hundred and sixty thousand dollars (\$560,000) of
2 revenue per employee, and Manitoba Hydro is about 64 percent
3 of that, at three hundred and sixty thousand dollars
4 (\$360,000)?

5 MR. VINCE WARDEN: And that's good.

6 MR. BOB PETERS: Okay, explain why that's
7 good.

8 MR. VINCE WARDEN: Well, that means that
9 we're charging our customers less than the other utilities
10 are.

11 We're taking less revenue from our customers
12 than the other utilities take per customer. Per -- I'm
13 sorry, per employee.

14 MR. BOB PETERS: All right. My understanding
15 and I'll have to reflect on this as well -- I thought the --
16 the measure here was of the revenues of the utilities, how
17 much revenue did the utility bring in for each employee and
18 most utilities were bringing in considerably more revenue
19 than Manitoba Hydro, per employee.

20 MR. VINCE WARDEN: So if our rate increase is
21 granted, we'll bring in more revenue per employee than we do
22 today. And if revenue -- the Board chooses to give us more,
23 we'll bring in more.

24 MR. BOB PETERS: I see, so the -- so -- so to
25 you, the -- you're suggesting that means that the other

1 utilities rates are the -- are the reason for that?

2 MR. VINCE WARDEN: Absolutely, yes.

3 MR. BOB PETERS: All right, we'll come to
4 that with the other Panel then. Do you think that this
5 average, then, from Cope is -- is not applicable to Manitoba
6 Hydro, shouldn't be used as a measure for Manitoba Hydro?

7 MR. VINCE WARDEN: There actually are some
8 good measures in COPE and others that we just simply ignore
9 and that would be one (1) we would ignore because it's of no
10 value to us.

11 MR. BOB PETERS: Is there a more appropriate
12 target by way of a measure of revenue for a full-time
13 employee that should be used, rather than the one (1) that
14 COPE uses?

15 MR. VINCE WARDEN: No, I -- revenue per
16 employee really is a -- not a especially relevant measure for
17 us.

18 MR. BOB PETERS: Turning to Document 24 in
19 the Brief of Documents as provided, there's a summary of the
20 EFT positions in Manitoba Hydro and these are the equivalent
21 full-time position analysis.

22 Is that correct? In Tab 24, it's a -- it's a
23 copy of interrogatory PUB-MH-I-IR-6.

24 MR. VINCE WARDEN: Yes.

25 MR. BOB PETERS: When we use EFT as the

1 acronym, what does it -- what is an equivalent full-time
2 employee for -- for purposes of this calculation? How have
3 you -- how's Manitoba Hydro considered that?

4 MR. VINCE WARDEN: The definition of an EFT
5 depending on whether we're talking over what time period
6 we're -- we're talking, but for a year, an annualized EFT
7 would be nineteen hundred and sixteen (1,916) hours per year,
8 I believe.

9 I'll just double check that. Nineteen sixteen
10 (1,916) hours per year, yes, that's correct.

11 MR. BOB PETERS: So employees who work part
12 time are aggregated until one thousand nine hundred and
13 sixteen (1,916) hours and that's -- then determined to be an
14 equivalent full time employee?

15 MR. VINCE WARDEN: That's correct, yes.

16 MR. BOB PETERS: And in terms of overtime, is
17 overtime counted as one (1) hour equals one (1) hour, or is
18 there a -- a doubling up on the -- on the overtime?

19 MR. VINCE WARDEN: There would be a -- a
20 doubling up. Sorry, hours -- hours worked. I -- I'm sorry.
21 It's hours worked, so it doesn't really matter what the
22 compensation is per hour.

23 MR. BOB PETERS: The compensation may be
24 double but the hour is still the same.

25 MR. VINCE WARDEN: That -- that's correct,

1 yes.

2 MR. BOB PETERS: All right. And what I see
3 in here is that it would be fair to say that the EFTs by
4 business unit increase every year presumably from 2002 up to
5 2005?

6 MR. VINCE WARDEN: Yes, it appears that every
7 business unit has an increase over that time period. Yes.

8 MR. BOB PETERS: There was another
9 interrogatory that's not produced here but it had to do with
10 the suggestion that Manitoba Hydro has a one (1) to 2 percent
11 decrease in salary budgets per year.

12 MR. VINCE WARDEN: I believe that was
13 referring to the -- the productivity that's built into the
14 budgets, yes.

15 MR. BOB PETERS: Ye -- yes. Recognizing that
16 interrogatory and I have a marginal note here it was PUB
17 Manitoba Hydro First Round 11-C where I saw that.

18 Can you explain to the Board how your salary
19 budgets can decrease every year but your EFTs actually
20 increase?

21

22

(BRIEF PAUSE)

23

24 MR. VINCE WARDEN: Well, wh -- I think, just
25 to explain that a little bit more, we would take our salary

1 budgets in 2001/02, for example, as indicated in this --
2 under this tab, add on the EFT changes that have been
3 justified through the budgeting process, factor in the wage
4 and salary increases that would have occurred over that
5 period of time applicable to that higher number of EFTs.
6 From that number, deduct a productivity increase.

7 Oh, the -- the re -- the calculation of the
8 productivity increase would be netted against what the cost
9 would otherwise be based on the number of EFTs that have been
10 approved for that particular budget year.

11 MR. BOB PETERS: All right. So it's not --
12 the budget reduction is done after you've assumed the
13 position has been added?

14 MR. VINCE WARDEN: Yes, that's -- that's
15 correct.

16 MR. BOB PETERS: And in light of the fact that
17 the Corporation has had a difficult financial year in 2004,
18 is there a hiring freeze on at Manitoba Hydro?

19 MR. VINCE WARDEN: Well, any -- any new hires
20 from outside the Corporation require the approval of the
21 president and CEO. So it's not an absolute freeze.

22 If we can convince the president that the
23 position is needed and sometimes there are those situations
24 where we absolutely do have to have people, then it would be
25 added.

1 MR. BOB PETERS: All right. I don't want to
2 go through this --
3 MR. ROBERT MAYER: About --
4 MR. BOB PETERS: -- chart in --
5 MR. ROBERT MAYER: -- did I hear you correctly
6 that every deplacement employee that you would bring in from
7 outside has to be approved by the president and the CEO?
8 MR. VINCE WARDEN: Yes, that's right.
9 MR. ROBERT MAYER: So you've got to hire -- a
10 lineman retires, you've got to replace a lineman, you've got
11 to go to the president and CEO to get --
12 MR. VINCE WARDEN: Well --
13 MR. ROBERT MAYER: -- approval?
14 MR. VINCE WARDEN: -- we would -- that isn't
15 quite the way it works. We -- we'd train the line
16 tradespeople from within organization. So, we have a trainee
17 program that is -- where -- whereby trainees are brought in
18 each and every year. The president would approve a trainee
19 program. So we would be adding, at the input level every
20 year, there would be new trainees coming into the system --
21 MR. ROBERT MAYER: But then you'd --
22 MR. VINCE WARDEN: So, when --
23 MR. ROBERT MAYER: -- have to --
24 MR. VINCE WARDEN: -- so when a lineman
25 retires, ultimately we have somebody from within that's

1 trained to -- to replace that lineman.

2 MR. ROBERT MAYER: So, you wouldn't have to go
3 to the president and CEO to bring in the new train --
4 trainee?

5 MR. VINCE WARDEN: No, but the trainee
6 typically wouldn't be brought in on a one off basis. We
7 bring in trainees each year and the president is -- is aware
8 of that program, approves that program.

9

10 CONTINUED BY MR. BOB PETERS:

11 MR. BOB PETERS: Just two (2) specific line
12 items under the various business groups that I want to
13 discuss with you further, Mr. Warden.

14 You'd mentioned that under power sales, I
15 think you were saying you were adding -- adding people in the
16 power sales recognizing the export marketing area had grown.

17 Is that correct?

18 MR. VINCE WARDEN: Yes, I used that as -- as
19 an example of where growth was justified and where growth is
20 justified and a business case can be made, people will be
21 added in those particular areas.

22 MR. BOB PETERS: And I see that twenty-four
23 (24) people were added under the power sales and operations
24 line, is that what you're referring to?

25 MR. VINCE WARDEN: Yes.

1 MR. BOB PETERS: And a total of eighty-one
2 (81) people now in the power sales field?

3 MR. VINCE WARDEN: That's the forecast for
4 '04/'05 yes.

5 MR. BOB PETERS: And those are people who are
6 involved in export marketing and power sales?

7 MR. VINCE WARDEN: That's correct.

8 MR. BOB PETERS: All eighty-one (81) of them?

9 MR. DAVID CORMIE: No, that's -- not all
10 eighty-one (81). There are -- we have about fifteen (15)
11 people who are involved in the sales and marketing area. In
12 addition to those people, there are the water resource
13 planners, the back office function for billing and energy
14 accounting, our hydraulic engineering and operations
15 department.

16 And I think that's and -- and we have a
17 technical services section in there. But only a -- a portion
18 of -- of the eighty-one people are -- are directly involved
19 in the marketing.

20 MR. BOB PETERS: Are all of the employees in
21 your area reflected in that eighty-one (81) number?

22 MR. DAVID CORMIE: Those eighty-one (81)
23 people report to me, yes.

24 In 2001/2002, Manitoba Hydro had contracted
25 out a portion of its real time trading function. We brought

1 that function back into Manitoba Hydro since that time and --
2 and have -- are now fully providing that service to Manitoba
3 Hydro where for a period of time that had been contracted
4 out.

5 MR. BOB PETERS: Are all twenty-four (24)
6 additional employees under the power sales and operations
7 related to export activities?

8 MR. DAVID CORMIE: I believe there are some
9 of those numbers in the water resource management group and
10 the hydraulic engineering and operations group.

11 MR. BOB PETERS: I -- I'm not sure if that
12 answer -- if I understand that -- you're saying that of those
13 twenty-four (24) how many are -- are there as a result of the
14 -- their efforts in the export marketing area?

15 MR. DAVID CORMIE: I -- I believe the
16 majority is -- are.

17 MR. BOB PETERS: Just one another line item
18 here and -- under finance and administration, Mr. Warden, it
19 looks like Mr. Wien's group has taken a hit of fourteen (14)
20 under the rates and regulatory affairs group. Can you
21 explain to the Board what's happened there?

22 MR. VINCE WARDEN: We decided he had too many
23 people. Oh, there was a bit of an internal reorganization
24 whereby rates and regulatory affairs was split between
25 treasury and business analysis and Ms. Wray moved from the

1 rates and regulatory affairs area into treasury and there was
2 a re-allocation of positions between those two (2) areas.

3 So, there's largely an offset between rates
4 and regulatory affairs and business in -- treasury and
5 business analysis.

6 MR. BOB PETERS: All right. What I'm hearing
7 then is that the fourteen (14) people who were moved out
8 rates and regulatory affairs and they are found somewhere
9 else on that page as additions?

10 MR. VINCE WARDEN: That's right.

11 MR. WILLIE DERKSEN: Mr. Peters, there are a
12 number of adjustments like that, that are included in this
13 column so all of the net changes in divisions in Manitoba
14 Hydro are included in that one column. So any -- any place
15 where reorganization occurs that same situation will happen.

16 MR. BOB PETERS: Mr. Derksen or Mr. Warden,
17 is the increase of thirty-three (33) EFT's on the information
18 technology service related to new billing systems?

19 MR. VINCE WARDEN: Yes, the -- the large
20 portion of it would be. There's also a new geographical
21 information system that's being implemented at Manitoba Hydro
22 that has added some people.

23 So, new systems basically is driving that
24 number and transfers from other areas has -- some transfers
25 from other areas has also incurred as well.

1 MR. BOB PETERS: And Aboriginal relations are
2 -- have grown by twenty-one (21) EFT's, almost doubling the
3 department -- that are doubling the group, to what is that
4 attributed?

5 MR. VINCE WARDEN: Well similar to the export
6 marketing area, this is a new initiative of Manitoba Hydro to
7 place more emphasis on the aboriginal relations areas.

8 As a matter of fact, since this was prepared,
9 this document was prepared, there's a new vice-president of
10 Aboriginal Relations, actually referred to as "Corporate
11 Relations", but a new business unit has been formed with that
12 group transferred into it.

13 MR. BOB PETERS: Do you know, Mr. Warden,
14 when Winnipeg Hydro was acquired, it appears that their
15 employees on generation south as a category, there was
16 eighty-seven (87) of them and can you explain, briefly, what
17 -- what's encompassed by that to the ...

18 MR. VINCE WARDEN: Well, I believe that would
19 be primarily the people on Winnipeg River system operating
20 the plants at Pointe and Slave, Pointe du Bois and Slave --
21 Slave Falls, so that would be the -- the bulk of the people
22 there.

23 MR. ROBERT MAYER: Don't leave that line, Mr.
24 Peters. You've got -- before you acquire Winnipeg Hydro,
25 you've got two hundred and thirty-nine (239) bodies

1 generation north, four hundred and fourteen (414) generation
2 south.

3 We consider everything north of the 53rd
4 parallel as north, therefore about 70 percent, I guess, of
5 your hydro-electric power is generated north.

6 How come you got so many generation south
7 people?

8 MR. VINCE WARDEN: I'll let Mr. Cormie answer
9 that.

10 MR. DAVID CORMIE: Mr. Mayer, although most
11 of our electricity's generated in the north, they're
12 generated at the three (3) Nelson River generating stations
13 where you have thirty-two (32) units.

14 Manitoba Hydro has a hundred and thirty-two
15 (132) generating units, so the -- we have may -- way more
16 generating units in southern Manitoba, producing a lot less
17 electricity than we have in the north.

18 And it's just a matter of scale.

19 MR. ROBERT MAYER: Following from that, under
20 what possible circumstance could Winnipeg Hydro have had
21 three (3) people in generation north? That is what it says,
22 isn't it?

23 MR. VINCE WARDEN: Well, I think that what
24 that says is that that's where they ended -- the -- these are
25 people that were acquired from Winnipeg Hydro and they were

1 allocated to these -- these respective areas, so they were
2 allocated to generation north.

3 MR. ROBERT MAYER: Thank you, that was a
4 little confusing.

5

6 CONTINUED BY MR. BOB PETERS:

7 MR. BOB PETERS: Mr. Warden, I understood
8 from one (1) of your previous answers that the -- the cost
9 per customer at Winnipeg Hydro was lower than it is at
10 Manitoba Hydro to which you attributed that to the -- to
11 geography?

12 MR. VINCE WARDEN: That was my answer, yes.

13 MR. BOB PETERS: And would you agree that by
14 bringing Winnipeg Hydro on board, then, and to keep those
15 efficiencies that Winnipeg Hydro had, that the cost per
16 customer for Manitoba Hydro's customers now should be reduced
17 from six hundred dollars (\$600) to something lower than that?

18 MR. VINCE WARDEN: And it has, yes.

19 MR. BOB PETERS: And what is the new number?

20 MR. VINCE WARDEN: The number we're tracking
21 now is five hundred and eighty-four dollars (\$584) per
22 customer.

23 MR. BOB PETERS: How was that arrived at,
24 generally?

25 MR. VINCE WARDEN: Well, it's simply taking

1 the -- the new budget amount for operating, maintenance,
2 administration and dividing it by the number -- total number
3 of customers.

4

5

(BRIEF PAUSE)

6

7

THE CHAIRPERSON: Mr. -- Mr. Warden. Looking
8 at the various departments, are any of these departments
9 there totally capitalized?

10

THE WITNESS: Yes, the transmission
11 construction. Well, actually no, sorry, I'll have to back up
12 that.

13

14

Distribution construction would be the -- the
15 one (1) that would be virtually 100 percent capital. To a
16 lesser extent, transmission construction, line maintenance.
17 There is a line maintenance component of that -- in that
group.

18

19

But the TND (phonetic) area would have the
20 largest component of -- of capitalization across the
corporation.

21

THE CHAIRPERSON: Thank you.

22

23

CONTINUED BY MR. BOB PETERS:

24

MR. BOB PETERS: If I could turn with you,
25 Mr. Warden, to Tab 25 of the Book of Documents, it contains a

1 number of interrogatory responses dealing with Manitoba
2 Hydro's payments to the Province and that includes PUB
3 Manitoba Hydro First Round 20-A, B, C and D.

4 Do you have that?

5 MR. VINCE WARDEN: I do.

6 MR. BOB PETERS: And this chart just provides
7 information to the Board to demonstrate the expenditures that
8 Manitoba Hydro makes annually since 2002 and forecast to 2006
9 to the Province of Manitoba?

10 MR. VINCE WARDEN: Yes.

11 MR. BOB PETERS: This includes all of the ones
12 that you're aware of?

13 MR. VINCE WARDEN: Ye --

14 MR. BOB PETERS: All of the expenditures?

15 MR. VINCE WARDEN: Yes, it does.

16 MR. BOB PETERS: And has Corporation's capital
17 tax been payable -- when did that first become payable, do
18 you recall? Has it been a long time payment or is it
19 relatively current?

20 MR. VINCE WARDEN: It's relatively current. I
21 believe it was the mid-90s it would have -- '96, I'm
22 informed, that it was introduced.

23 MR. BOB PETERS: It's a tax that's calculated
24 on the assets of the Corporation?

25 MR. VINCE WARDEN: Yes.

1 MR. BOB PETERS: And that includes also, on
2 deferred assets it's a tax?

3 MR. WILLIE DERKSEN: I think that it excludes
4 some component of deferred assets in its calculation.

5 MR. BOB PETERS: It excludes some but includes
6 most?

7 MR. VINCE WARDEN: Yes, I believe that would
8 be correct.

9 MR. BOB PETERS: The water rental fees that
10 are paid to the Province is a rate that is determined solely
11 by the Province?

12 MR. VINCE WARDEN: Yes, it is.

13 MR. BOB PETERS: And on PUB Manitoba Hydro
14 First Round 20-D, which is the last piece of paper under Tab
15 25, there's a schedule that shows how the water rental rate
16 calculation has changed. And the -- the notable change on
17 that schedule is that that rate changed in fiscal 2002 and it
18 is now at three point three four one (3.341) per megawatt
19 hour?

20 MR. VINCE WARDEN: Yes, that's correct.

21 MR. BOB PETERS: And that's on domestic as
22 well as exported --

23 MR. VINCE WARDEN: It is.

24 MR. BOB PETERS: -- production?

25 MR. VINCE WARDEN: It is.

1 (BRIEF PAUSE)

2
3 MR. BOB PETERS: If I read that interrogatory
4 Part D correctly then, Mr. Warden, with the increase in rates
5 the water rental actual payment went up from \$50 million
6 dollars to approximately \$107 million dollars that year?

7 MR. VINCE WARDEN: Yes. There -- there's a
8 fair bit of background to that rate. I'm not sure whether
9 you want me to get into that or not. The water rental rate
10 was frozen by the Province for a number of years in exchange
11 for which the Manitoba Hydro made payments on the Province's
12 behalf for certain mitigation works in northern Manitoba.

13 So there is a reason why it jumped as suddenly
14 as it did. That freeze ended at March 31st, 2001.

15 MR. BOB PETERS: Thank you for that. On the
16 debt guarantee fee -- this is the -- the payment of the
17 Province because the Province, in fact, guarantees the debt
18 of Manitoba Hydro?

19 MR. VINCE WARDEN: That's right.

20 MR. BOB PETERS: And we see also on Part D of
21 the Information Request found at Tab 25 that the debt
22 guarantee fee has also changed over time?

23 MR. VINCE WARDEN: Yes.

24 MR. BOB PETERS: And it presently stands at
25 decimel nine five (.95) of a percentage point on every dollar

1 of debt of the Corporation?

2 MR. VINCE WARDEN: That's correct, there's an
3 exception for Manitoba Hydro mitigation bonds but essentially
4 all of the debt of Manitoba Hydro, yes.

5 MR. BOB PETERS: From that last answer, is
6 there a reduced rate on the mitigation bonds or is it -- is
7 it zero (0)?

8 MR. VINCE WARDEN: It's zero (0).

9 MR. BOB PETERS: On the sinking fund
10 administration fee, can you briefly explain what that charge
11 is for?

12 MR. VINCE WARDEN: Well, the Province manages
13 the sinking fund on behalf of -- of Manitoba Hydro, manages
14 the investments in that fund and that -- for that they charge
15 a fee of .075 percent.

16 MR. BOB PETERS: You've included in this
17 response on -- Part A, the special payment to the Province,
18 Mr. Warden. And that came about by way of legislation back
19 in approximately 2002 and 2003?

20 MR. VINCE WARDEN: Yes, that's correct.

21 MR. BOB PETERS: Am I correct that the amount
22 was initially forecast to be larger than the \$204 million
23 shown on this schedule?

24 MR. VINCE WARDEN: Yes, it was originally
25 forecast to be \$288 million. It was dependent on earnings on

1 each of the years, '02/'03 and '03/'04.

2 MR. BOB PETERS: So, in the '03/'04 year, the
3 -- the payment to the Province under this category was
4 reduced because of the -- the lower net income of the
5 Corporation?

6 MR. VINCE WARDEN: That's right.

7 MR. ROBERT MAYER: Lower net income is an
8 interesting concept. I thought we had a negative net income?

9 MR. VINCE WARDEN: We -- we did. Yes.
10 Actually, what -- what is shown on this schedule, the payment
11 -- it -- that's when the cash payment was made but it was
12 actually applicable to the earnings of '02/'03.

13

14 CONTINUED BY MR. BOB PETERS:

15 MR. BOB PETERS: And likewise that -- that's
16 shown under Column '02/'03, was attributable to the prior
17 year?

18 MR. VINCE WARDEN: No. It was the -- the
19 204 million. It was actually 203.5 million was all
20 attributable to the fiscal year '02/'03.

21 MR. ROBERT MAYERS: And that number
22 represented, as I understand it, a certain percentage of net
23 export. I thought it was net export revenue, not net
24 revenue.

25 MR. VINCE WARDEN: It was net revenue.

1

2 CONTINUED BY MR. BOB PETERS:

3 MR. BOB PETERS: Do you recall, Mr. Warden,
4 was it 75 percent of -- up to a maximum of 75 percent?5 MR. VINCE WARDEN: It was a maximum of 75
6 percent of net income, yes.7 MR. BOB PETERS: Mr. Warden, on PUB-MH-I-IR-
8 20(b), which is the second page found under Tab 25, the
9 Corporation has shown that the -- the payments to the
10 Province are in and around the 15 percent of gross revenue
11 per year. But for that -- the one (1) year in which the
12 special payment was made.

13 Is that correct?

14 MR. VINCE WARDEN: That's correct, yes.

15 MR. BOB PETERS: And for planning purposes,
16 does Manitoba Hydro incorporate roughly that same percentage
17 in their IFF's going forward each and every year? Or do you
18 have any contingency built in for further payments to the
19 Province?20 MR. VINCE WARDEN: We have no contingency
21 built in for any further payments. It's not really based on
22 a percent of gross revenue though. We forecast -- forecast
23 each of the payments to the Province individually.24 So water rentals, for example, would be based
25 on our -- our expectation of generation in that year.

1 MR. BOB PETERS: And from -- from the
2 information in the filing, Manitoba is not alone in terms of
3 payments to the shareholder or the government in the Province
4 in which the utility is located because you provided evidence
5 that BC Hydro and Hydro Quebec, likewise, make those payments
6 to the Province -- to their provinces?

7 MR. VINCE WARDEN: Yes, and certainly BC
8 Hydro, Manitoba Hydro, Hydro Quebec, we're not alone in that.
9 Other provinces do the same thing. SaskPower, Nova Scotia,
10 New Brunswick. It's -- it's fairly typical across Canada for
11 utilities to make payments to -- to the Province.

12 MR. BOB PETERS: When the -- just for the
13 purposes of the record, PUB Exhibit 9 was a document
14 circulated today as a worksheet that we've marked that has
15 comparison information between Manitoba Hydro, BC Hydro and
16 Hydro Quebec; and I appreciate, Mr. Warden, you and your
17 colleagues haven't had an opportunity to study it in any
18 depth.

19 But if you assume the numbers are calculated
20 correctly from the information provided in the filing,
21 including PUB-MH-II-IR-51 and also some information found at
22 CCEP-MH-I-IR-3(b), Manitoba Hydro is compared to the other
23 provinces based on total payments as a percentage of total
24 revenue.

25 Have you charted Manitoba Hydro's payments to

1 the Province on that basis against other utilities?

2 MS. LYN WRAY: Mr. Peters, we did so, to
3 answer this interrogatory and I suppose as a matter of
4 general practice we try to keep tabs on what's happening in
5 other provinces.

6 But there's one (1) number that we could add
7 to the table for Hydro Quebec to make it more comparable to
8 the other two (2).

9 At the time, I think we answered some of the
10 interrogatories. We didn't have the 2003 numbers for their
11 payments and that first number, total payments, over total
12 revenue for 2003, would be 15.42 percent.

13 So, if you're comparing apples to apples, I
14 suppose you would be looking at the 2001/2002 and 2003
15 numbers for Hydro Quebec.

16 MR. BOB PETERS: Can you complete the table
17 then, Ms. Wray, in terms of total payments divided by total
18 assets for 2003 for Hydro Quebec or did you not do that?

19 MS. LYN WRAY: Yes, it's 3.09 percent. And
20 then for total payments over net income for Hydro Quebec
21 2003, it would be 91.25 percent.

22 And total payments in dollar terms for Hydro
23 Quebec 2003, one seven six two (1,762).

24 Some of that information was provided in I
25 think PUB-II-IR-51 but it -- not the payments part.

1 MR. BOB PETERS: Yes, thank you for that
2 update, Ms. Wray.

3 Looking at it as you have then, Ms. Wray, is
4 there is any position of the Corporation as to whether
5 Manitoba Hydro is in line, out of line, about the same as
6 others?

7 Or what's the conclusion the utility reaches?

8 MS. LYN WRAY: Well, certainly looking at
9 these numbers and our projections for 2004, 2005 and 2006,
10 we're very much in line with BC Hydro and Hydro Quebec in
11 being around that 15 percent mark -- fifteen (15) --
12 actually, we are a little bit less than BC Hydro and Hydro
13 Quebec.

14 So the one (1) different year was 2002/3 in
15 which there was the special payment which amounted to about
16 half of the extraordinary \$400 million plus net export
17 revenue that we earned in that year.

18 MR. BOB PETERS: Ms. Wray, the -- the
19 payments to BC Hydro and Hydro -- I'm sorry, the payments
20 made by BC Hydro and Hydro Quebec to their Provincial
21 Governments, those include express government dividends.

22 Is that correct?

23 MS. LYN WRAY: Yes, in both cases.

24 MR. BOB PETERS: And in -- in light of that,
25 does Manitoba Hydro have a position as to whether or not

1 discrete and identified government dividends is -- is
2 supported or not supported by the utility rather than, or in
3 substitution to other levies?

4 MR. VINCE WARDEN: I think it's important
5 from Manitoba Hydro's perspective that payments to government
6 are reasonably predictable.

7 We don't like to be surprised because,
8 obviously, it distorts the planning processes at Manitoba
9 Hydro and -- would -- would prefer that we know in advance so
10 we can plan for it over the long term and -- and build that
11 into our -- into our rates.

12 MR. BOB PETERS: And -- and that's, in fact,
13 what you do then, with the way they presently calculate the
14 payments to the government, Mr. Warden?

15 MR. VINCE WARDEN: Yes, with one (1)
16 exception that we've -- we've talked about before. Of course
17 the -- the one (1) special -- in fact, we've labelled it a
18 special payment, because we don't expect it to recur.

19 While we're on some of the expenditures, Mr.
20 Warden, the materials appear to show that Manitoba Hydro has
21 a number of affiliated or related companies.

22 MR. VINCE WARDEN: Yes, that's true.

23 MR. BOB PETERS: Can you tell this Board
24 generally why Manitoba Hydro would take equity positions or
25 have interests in -- buy interests in affiliated companies?

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(BRIEF PAUSE)

MR. VINCE WARDEN: Well, there are a number of reason -- reasons, and it depends on the company what those reasons might be.

For example, the utility -- the meter reading company we refer to as "Manitoba Hydro Utility Services" was set up initially as a joint venture with Centra Gas before Centra Gas was acquired by Manitoba Hydro.

It was viewed, at that time, to be an efficient way of -- of providing that service back to the utilities and is proven to be -- very much to be the case.

So, that utility was set up for purposes of -- primarily for purposes of reading meters. And we have chosen to leave it as a separate subsidiary even after the acquisition of Centra Gas because it -- it is providing that service back to the utility in a very efficient manner.

Manitoba Hydro International is a subsidiary that was established a number of years ago to provide services to other utilities around the world and has also been quite successful.

And we do that, not so much for generating revenue, although it does produce a -- a modest amount of revenue, but it's more to expose employees to experiences in

1 other jurisdictions and to provide expertise to developing
2 countries.

3 MR. BOB PETERS: Just -- if I can interrupt
4 you. At Tab 25 of the -- I'm sorry, at Tab 26 of the book of
5 documents that's been prepared, there's a copy of response
6 PUB-MH-II-IR-44(a), and this is where you list, Mr. Warden,
7 the various related companies in which you have either a
8 partial or a wholly-owned interest.

9 MR. VINCE WARDEN: Yes, that's correct.

10 MR. BOB PETERS: And can you tell this Board,
11 how Manitoba Hydro provides service to these companies and --
12 and how does it charge them?

13 MR. VINCE WARDEN: Well, each of the
14 subsidiaries, for the most part, has employees that are
15 seconded from Manitoba Hydro. So there would be employees
16 that are dedicated to each of the subsidiaries primarily on a
17 secondment basis. And any -- any services that are provided
18 to those subs are -- are costed out based on the -- on the
19 services that are provided.

20 So the employees would -- the wages and
21 salaries of those employees that are seconded there would be
22 borne by -- by the -- or supported by the revenues generated
23 within those subsidiaries. So the expenses are charged
24 directly to the subsidiaries.

25 MR. BOB PETERS: If I can interrupt you

1 there, Mr. Warden, this method of allocation of the costs to
2 the subsidiaries is done the same for these subsidiaries as
3 Manitoba Hydro does it to Centra Gas Manitoba Inc.?

4 MR. VINCE WARDEN: There are -- there are
5 some differences. For example, in -- in Manitoba Hydro
6 Utility Services, there -- the -- the employees there are for
7 the most part dedicated and hired by that subsidiary and
8 therefore there's no allocation from -- from Manitoba Hydro
9 back. So they're not integrated, they're stand-alone.

10 The -- the reason that we allocate costs the
11 way we do to -- to Centra Gas is because the operations are
12 totally integrated. But for those stand-alone subsidiaries,
13 they -- they're -- that isn't the case and therefore the
14 costs are incurred and self-contained within the -- within
15 the subs.

16 MR. BOB PETERS: Well, if an employee of
17 Manitoba Hydro does one (1) hour of work for one (1) of these
18 affiliated companies, is that one (1) hour labour charge,
19 plus overheads, allocated back to the affiliate?

20 MR. VINCE WARDEN: That isn't typically how
21 work is done for the subsidiaries. Normally, the employees
22 would be dedicated for an extended period of time and their
23 -- and their wages and salaries would be transferred over to
24 that subsidiary. So, there isn't a transfer back and forth
25 of services as there is between Manitoba Hydro and Centra

1 Gas.

2 MR. BOB PETERS: Does Manitoba Hydro inject
3 equity on an annual basis into any of these companies?

4 MR. VINCE WARDEN: Depending on the
5 circumstances. But for the most part, no. They're --
6 they're stand-alone and -- and don't require infuse --
7 infusions of equity.

8 MR. BOB PETERS: What would be an example of
9 where Manitoba Hydro determines it's going to inject equity
10 into these affiliated companies?

11 MR. VINCE WARDEN: Well, of all the
12 subsidiaries we have, probably Meridian Power is the one (1)
13 that's been struggling the most.

14 And there have been advances to Meridian to
15 keep it solvent and it's -- there's a point at which we're
16 going to -- we would probably decide that we will not do that
17 any longer. Or, hopefully, more positively, that is, it will
18 start to generate sufficient revenues to carry it's costs.

19 MR. BOB PETERS: Do you inject it into that
20 company, Meridian Power, as by way of debt or is by way of
21 equity?

22 MR. VINCE WARDEN: There has been both.
23 There's -- there have been advances -- working fund advances
24 to Meridian as well as start up equity.

25 MR. BOB PETERS: And when it comes time for

1 accounting for -- for these affiliated companies, Mr. Warden,
2 Manitoba Hydro is using money it receives from ratepayers
3 within Manitoba to pay money over to these affiliated
4 companies?

5 MR. VINCE WARDEN: Well, that's true except
6 that the amounts we're tal -- talking are relatively small
7 and on an overall basis, the -- the subsidiaries were
8 profitable or are profitable. Last year, for example, they
9 netted about three hundred and seventy-five thousand dollars
10 (\$375,000) on a consolidated basis which was to the benefit
11 of ratepayers and Manitoba Hydro.

12 MR. BOB PETERS: What happens in the years
13 where the consolidated efforts of all of these affiliated
14 companies is on the negative side of the -- of the line?

15 MR. VINCE WARDEN: Well, like I say, it's
16 relatively small and it could go either way but for the most
17 part, there's a -- there's a benefit -- there has been a
18 benefit in recent years.

19 And, again, if I look at a company like
20 Manitoba Hydro Utility Services we're only looking at the
21 revenue expense generated by that company.

22 If we were to provide those meter reading
23 services within Manitoba Hydro, the costs would be higher
24 than they are within the subsidiary and therefore, there's a
25 benefit there that's -- that's not measured in the three

1 hundred and seventy-five thousand dollar (\$375,000) number
2 that I provided to you previously.

3 MS. LYN WRAY: Mr. Peters, I believe in their
4 IFF taking all of the subsidiaries over that period, they're
5 positive by a small amount in every year.

6 MR. BOB PETERS: I apol --

7 MS. LYN WRAY: In terms of net income.

8 MR. BOB PETERS: -- I apolgize, Ms. Wray, I
9 was -- I distracted myself.

10 MS. LYN WRAY: Sorry, I was just saying that
11 in terms of our upcoming IFF-03 net income overall for all of
12 the subsidiaries is positive by a small amount in every year
13 -- projected to be positive.

14 MR. BOB PETERS: Right. That's built into IFF
15 03-1 that's before the Board now?

16 MS. LYN WRAY: Yes, that's right, including
17 the two (2) test years.

18 MR. ROBERT MAYER: Mr. Warden, while we're
19 waiting, I'm looking at this Tab 26. I'm showing -- I'm
20 seeing 12345 Delaware Inc. and on the first page it says it
21 holds US equity interests. On the next page it says:

22 "Manitoba Hydro does not provide services
23 to 12345 Delaware. An advance was made by
24 Manitoba Hydro to 12345 in January for nine
25 (9)..."

1 I'm assuming that's nineteen thousand nine
2 hundred and ninety-nine dollars (\$19,999).

3 "12345 Delaware does not have any employees
4 and does not occupy any premises."

5 You've got twenty-nine (29) -- thirty two (32)
6 is -- I'm assuming that's thousand dollars or twenty-six
7 thousand dollars (\$26,000) owed to Manitoba Hydro from that
8 company.

9 I'm having trouble following this. If it was
10 set up to hold US equity interest, what US equity interest
11 does it hold and what did it use the nineteen thousand nine
12 hundred and ninety-nine dollars (\$19,999) for?

13 I realize it's small potatoes but that really
14 is hard to understand.

15 MR. VINCE WARDEN: Well, 12345 Delaware was
16 set up as a shell company to -- to -- for -- mainly for tax
17 purposes should we do business in -- in the US. We actually
18 -- and -- and most of those costs are just the costs of
19 setting up the company, legal fees asso -- associated with
20 setting up the company, however, we also bought some shares
21 in Xcel Energy and just so we can keep track of what's going
22 on in that company.

23 MR. ROBERT MAYER: The other one, Meridian
24 Power Inc., distribution in Canada of Written Pole Motors?

25 MR. VINCE WARDEN: Written Pole Motor is -- is

1 a trademark associated with a special type of motor that is
2 being marketed by Meridian power and has a lot of potential
3 to reduce costs in those areas that are not served with three
4 (3) phase power.

5 So, this mo -- motor can operate on single
6 phase power, has a lot of application in areas like where
7 there's remote locations that doesn't have three (3) phase
8 for irrigation, for example.

9 They've had some problems in the past because
10 of their supplier in the US has had some financial
11 difficulties which are -- we understand, are now resolved and
12 the supply problem should be resolved. And this company,
13 we're expecting will move into profitability.

14 MR. ROBERT MAYER: Is that spelled correctly?
15 Written?

16 MR. VINCE WARDEN: Written? Yes. W-R-I-T-T-
17 E-N, Written Pole Motor. Yes.

18

19 CONTINUED BY BOB PETERS:

20 MR. BOB PETERS: Just so that Mr. Cormie and
21 Mr. Surminski can think these discussions about the IFF's
22 don't -- don't involve them. I want to bring them back on
23 the last point.

24 I was looking over the break at the
25 extra-provincial revenues. And I'd like you to turn back, if

1 you would, to -- to Tab 21 of the book of documents.

2 Tab 21 was a comparison, gentlemen, of the
3 IFF-02-1 to IFF-03-1, if you've been following, which I'm
4 sure you have.

5 And if you could -- if you could come down to
6 the extra-provincial review which is in approximately the
7 middle of the page. I understand that the extra-provincial
8 revenue reduction under the year 2004, relates to the -- to
9 the drought we've been through. And that's what you would
10 subscribe -- ascribe that to as well. Is that correct?

11 MR. DAVID CORMIE: Yes, that's correct.

12 MR. BOB PETERS: And then moving on, Mr.
13 Cormie, I understood that when you prepare the IFF's, such as
14 for 2005, that year you would be using -- I think it was
15 median flows, if I understood before. Because it's the --
16 the second year out, you'd be using a median flow analysis
17 for that year?

18 MR. DAVID CORMIE: Yes, that's correct.

19 MR. BOB PETERS: And, there's no drought
20 assumption then in that year because the median flow takes
21 into account all of the possible eighty-six (86) years of
22 water flows that could possibly be encountered again, if
23 history repeats itself.

24 MR. DAVID CORMIE: That -- that is correct.
25 Under median flows we expect to have more -- greater surplus

1 then we would have under the weighted average conditions. So
2 there will be an affect on extra-provincial revenue.

3 MR. BOB PETERS: Generally, coming off of a
4 drought year, to a median flow year, would be -- should
5 produce pretty good news, correct?

6 MR. DAVID CORMIE: There -- there may be some
7 minor carry-over effects not associated with in-flows, but
8 associated with storage effects. And I believe in the median
9 flow year, in -- in the second year of IFF-03 we were -- we
10 were capturing some of those.

11 MR. BOB PETERS: Is that to what you
12 attribute the 40 million dollar reduction in forecast of
13 extra-provincial revenues in 2005?

14

(BRIEF PAUSE)

15

16
17 MR. DAVID CORMIE: There are various factors
18 that contribute to the variation; the difference that you
19 pointed out having to do with median flows versus weighted
20 average flows.

21 There's also the issue that we update our
22 export market price forecasts as well. That will have an
23 affect.

24 And the third factor is there will be changes
25 due to the change in the Manitoba load forecast that will

1 have an affect.

2 The net of those three (3) will be the
3 reduction shown.

4 MS. LYN WRAY: I would add to that also, in
5 -- the lower US exchange rate for the portion that's not
6 hedged.

7 MR. BOB PETERS: And those are the factors
8 then for the 2005 years on the forecasts?

9 MR. DAVID CORMIE: Those are the majority of
10 the factors, yes.

11 MR. BOB PETERS: And when I look forward, and
12 I don't want to go line -- or year by year, but as I look to
13 2006 through '07, '08, '09, 2010, I see that what you were
14 forecasting a year ago is now down throughout all of that
15 period of time. Do you agree?

16 MR. DAVID CORMIE: Yes, that is correct. But
17 if you look back up to the change on general consumer
18 revenue, you can also see that is up. That's an off-set due
19 to the increase in domestic sales. And that probably
20 explains the majority of that variation.

21 MR. BOB PETERS: Not totally off-set, but
22 partially off-set you --

23 MR. DAVID CORMIE: That's correct.

24 MR. BOB PETERS: All right. So, instead of
25 having it available for export you're selling it to your

1 domestic customers, is what you're telling the Board?

2 MR. DAVID CORMIE: Yes, and -- and generally
3 we receive a greater rate of return by selling it into the
4 export market than if we were to sell a megawatt hour to our
5 domestic load.

6 MR. BOB PETERS: Has there been a revision to
7 the forecasted cost -- I'm sorry, the forecasted price to be
8 received on the export market that's been downward that would
9 also contribute to some of this revenue reduction?

10 MR. DAVID CORMIE: On an annual basis, we
11 update our forward price view and that would be reflected in
12 that change as well.

13 MR. BOB PETERS: Is that adjustment you're
14 talking about in these years upward or downwards in terms of
15 additional revenues?

16

17 (BRIEF PAUSE)

18

19 MR. HAROLD SURMINSKI: Generally our export
20 price forecast have been increasing over time, so I'd have to
21 check, but I would assume that -- that our forecast had
22 increased from the '02 to the '03 IFF.

23 So, it's other factors that are causing the --
24 the dec -- overall decrease.

25 MR. BOB PETERS: All right. Can you be more

1 specific then. If we rule out your group, Mr. Surminski that
2 you've been forecasting higher export prices what would be
3 the factors then that would, in addition to the additional
4 domestic consumption, be the reasons for the decline in the
5 export revenue projections?

6 MR. VINCE WARDEN: The -- the exchange rate
7 as -- as Ms. Wray pointed out, would also contribute to that
8 reduction. So, a stronger Canadian dollar will translate
9 into lower extra-provincial revenues.

10 MR. BOB PETERS: Mr. Chairman, in light of
11 the hour, this might be an opportune time for a short
12 afternoon recess and on our return, I would like to just
13 finish the last area I have for this witness Panel on the
14 area of their balance sheet and that should probably take the
15 balance of the afternoon, but I'll...

16 THE CHAIRPERSON: Will ten (10) minutes do
17 you?

18 MR. BOB PETERS: It's fine by me.

19 THE CHAIRPERSON: Okay, ten (10) minutes.

20

21 --- Upon recessing at 3:02 p.m.

22 --- Upon resuming at 3:18 p.m.

23

24 THE CHAIRPERSON: Okay, we're back to it Mr.
25 Peters and we have your undertaking that you will be done at

1 four (4), correct?

2 MR. BOB PETERS: Well --

3 THE CHAIRPERSON: And the intervenor -- and
4 the intervenors could look forward to a good launch on Monday
5 morning.

6 MR. BOB PETERS: All right. I'll -- I'll
7 embark on getting there quickly. I should note that Manitoba
8 Hydro has filed and with my colleague's permission I'll ask
9 that the Board as Manitoba Hydro Exhibit 21, Manitoba Hydro's
10 Undertaking number 14 which deals with import and export of
11 power, Approval Authority for Transactions and related
12 agreement.

13 THE CHAIRPERSON: So noted.

14 MR. BOB PETERS: I have it as number 21 and
15 My Colleague and I are all ready fighting so I -- I think we
16 can sort that out when it's not -- when I'm not on the clock.

17

18 --- EXHIBIT NO. MH-21: Manitoba Hydro's Undertaking No. 14.

19

20 CONTINUED BY MR. BOB PETERS:

21 MR. BOB PETERS: Ms. -- Ms. Wray -- Ms.
22 Wray, before the break, Mr. Warden was saying that the
23 foreign exchange rate does play a role in the diminishing
24 returns of extra-provincial revenue that I draw -- I drew to
25 the attention of the witnesses before the break. You agree

1 with that?

2 MS. LYN WRAY: Yes.

3 MR. BOB PETERS: And I recall in one of the
4 sensitivity analysis that was run by you that -- that's found
5 in Tab 15 of the materials, that you ran a sensitivity on
6 page -- let me give the proper citation, it's Tab 15 of the
7 Book of Documents that I handed out -- it's Manitoba Hydro --
8 sorry, it's MIPUG/MH-I-3-B and page 17 of 19 shows the
9 Canadian dollar going up five (5) cents US as an indication
10 as to what would happen on the forecast if the Canadian
11 dollar strengthened, correct?

12 MS. LYN WRAY: Yes.

13 MR. BOB PETERS: And what would happen -- can
14 -- can you tell the Board at least generally what would
15 happen if the Canadian dollar was to skyrocket upwards and --
16 and got up into the -- the region of maybe ninety (90) cents
17 US?

18 MS. LYN WRAY: Just first before answering
19 that, to go back to the linkage to the decline in export
20 revenues attributable to foreign exchange. We should add to
21 that, that there would be a decline in finance expense as
22 well, attributable to foreign exchange and therefore the
23 impact on the bottom line to a fair degree, would be hedged
24 over a period of time.

25 Now, as to your question as to what would

1 happen if we had a very large increase in -- in -- I think
2 you said the -- the Canadian dollar, was it?

3 MR. BOB PETERS: Well I was --

4 MS. LYN WRAY: You can make it, yeah --

5 MR. BOB PETERS: Canadian dollar

6 strengthened --

7 MS. LYN WRAY: Yes.

8 MR. BOB PETERS: -- against the American
9 dollar.

10 MS. LYN WRAY: The -- the financial
11 sensitivity that you alluded to looked at a situation in
12 which the Canadian dollar might go up five (5) cents US and
13 what that would do in IFF-03 would be by 2014 would increase
14 our debt ratio by 1 percent.

15 And the reason for the fairly small impact
16 would -- is that as well as having US revenues coming in, we
17 also have US debt.

18 And over a period of time, those two (2) are
19 to a fair degree, hedged. Having said that, if there was a
20 very certain -- very sudden turn-around in the US dollar,
21 then we would see impacts for a particular year that -- that
22 would not have been anticipated and -- and then we would
23 probably deal with that as we did this year by a strategy
24 such as purchasing half of the shortfall on a monthly
25 averaging basis and -- and placing forward contracts for the

1 balance, something like that, that would even out the -- the
2 effect of the -- of that foreign exchange exposure which
3 would, in that event, affect our net income statement, either
4 up or down.

5 MR. BOB PETERS: Well, it would -- would it
6 not affect it negatively, Ms. Wray, if -- if it got --

7 MS. LYN WRAY: Well, if we -- yeah --

8 MR. BOB PETERS: -- strong?

9 MS. LYN WRAY: Yes, if we were in a -- if we
10 were in a long position, then -- which means if we've got
11 more US export revenues coming in than -- than US expenses
12 going out, then that would affect us negatively if the US
13 dollar came down.

14 Conversely, if we were in a short position, as
15 we were last year where our out -- US dollar outflows are
16 greater than our US finance expense, then that would be
17 beneficial, as the US rate came down.

18 MR. BOB PETERS: All right, thank you, Ms.
19 Wray. With yourself and Mr. Warden and Mr. Derksen, I'd just
20 like to turn to the balance sheet which is found at Document
21 27 of the Book of Documents that's been provided, and this
22 copy was taken from the annual report; page 78 I think is the
23 reference.

24 But I take it it's one that you've seen before
25 and many times, perhaps?

1 In turning to the assets in service, the
2 assets in service have been valued at \$9.99 billion dollars.
3 How was that number determined?

4 MR. VINCE WARDEN: Well, it's the 9 million
5 oh seventy-two (72) of the previous year to which any plant
6 in-service coming in during the year is added and any
7 retirements are subtracted.

8 MR. BOB PETERS: Based on its cost, Mr.
9 Warden?

10 MR. VINCE WARDEN: Based on its cost, yes.

11 MR. BOB PETERS: And then the depreciation
12 that's been subtracted includes the revised depreciation that
13 Mr. Derksen told me about as a result of the new study?

14 MR. VINCE WARDEN: That would reflect the new
15 rates, yes.

16 MR. BOB PETERS: All right. So, net we're
17 looking at \$6.9 billion dollars of assets in service?

18 MR. VINCE WARDEN: Yes, that's correct.

19 MR. BOB PETERS: In terms of -- of -- Mr.
20 Warden and Mr. Derksen, I understand that the information
21 technology costs can be capitalized and included in those
22 assets in service, under certain circumstances.

23 Have I got that right?

24 MR. WILLIE DERKSEN: Yes, that's correct.

25 MR. BOB PETERS: And as I understood, one of

1 the interrogatories, Mr. Derksen, if you have IT costs than
2 are more than two hundred (200) days on a project, two
3 hundred (200) person days on a project, then you would
4 capitalize it?

5 MR. WILLIE DERKSEN: That would be for system
6 development costs, yes. That's the criteria that we use for
7 internal components.

8 MR. BOB PETERS: And how was that determined
9 that two hundred (200) person days is the point at which IT
10 costs then get capitalized?

11 MR. WILLIE DERKSEN: It -- well, it's a
12 company policy. It's -- it's an assessment to say projects
13 that are under that -- that materiality level, it's
14 appropriate to charge them to expense and projects that are
15 over that, it's substantial enough that they should be
16 capitalized.

17 It's -- it's really an assessment of -- of a
18 materiality guideline.

19 MR. BOB PETERS: You don't assess it on
20 individual projects, you just apply it as a blanket policy?

21 MR. WILLIE DERKSEN: Yes, that's correct.
22 Presumably -- in fact, all of our software application
23 activities would qualify as assets by the nature of the
24 period to which they are expected to be in service. So they
25 will provide service and value to -- in future periods, as

1 well as the current period.

2 MR. BOB PETERS: But you don't determine the
3 future benefit of that two hundred (200) person days worth of
4 IT work before deciding whether or not to capitalize it?

5 MR. WILLIE DERKSEN: No, sir, we don't. The
6 thing is, if we took all of our IT projects and we said --
7 and we looked at each one of them, every single improvement
8 would have future benefit and so you'd end up -- you could
9 end up capitalizing the vast majority of your IT application
10 support people's costs.

11 Consistent with most companies and utilities,
12 there's a guideline -- a materiality guideline, that's used
13 to ascertain whether it warrants capitalization or whether --
14 whether it should be expensed.

15 MR. BOB PETERS: Thank you, Mr. Derksen and
16 turning to construction at progress, Mr. Derksen, of \$356
17 million dollars.

18 Does that include expenditures on Wuskwatim?

19 MR. VINCE WARDEN: To the extent there are any
20 expenditures on Wuskwatim, they wouldn't be -- be included in
21 that number, how -- however, they would be minimal at this
22 point in time.

23 MR. BOB PETERS: Also included in that would
24 be if any projects that you have on the go, Mr. Warden or Mr.
25 Derksen, they'd be financed and you would also include in

1 there the weighted average cost of your capital?

2 MR. WILLIE DERKSEN: That's right.

3 MR. BOB PETERS: And that weighted average
4 cost of capital, Mr. Derksen, would include both a debt
5 component and an equity component?

6 MR. VINCE WARDEN: No, for pur -- purposes of
7 capitalization, it's the -- the cost of debt only.

8

9 (BRIEF PAUSE)

10

11 MR. BOB PETERS: But while it includes the
12 debt portion only then, Mr. Warden, the entire finance
13 expense is capitalized while the project is still under
14 construction?

15 MR. VINCE WARDEN: It is, yes.

16 MR. BOB PETERS: And is that cost of capital
17 which is based only on the debt cost based on your actual or
18 on your forecast, cost of debt.

19 MR. VINCE WARDEN: Actual.

20 MR. BOB PETERS: Mr. Warden, would another
21 option to the Corporation be to, rather than capitalize the
22 finance expense, expense it in the year in which it was
23 incurred?

24 MR. VINCE WARDEN: No. No, that wouldn't be
25 good accounting to do that.

1 MR. BOB PETERS: Why is that not good
2 accounting?

3 MR. VINCE WARDEN: Well, because it, as
4 mentioned earlier, one of the primary objectives of
5 accounting is to match revenues and expenditures so the
6 ratepayer should only pay the cost associated with the
7 benefits they derive and to -- to charge those ratepayers
8 with financing costs that pertain to future periods would be
9 inequitable.

10 MR. BOB PETERS: But once a project comes in
11 service then those capitalized costs including the
12 capitalized financing costs are then depreciated and started
13 charging through in the rates? MR. VINCE
14 WARDEN: That's right.

15 MR. BOB PETERS: Do you believe, Mr. Warden,
16 that the embedded and capitalized financing costs add value
17 to the assets?

18 MR. VINCE WARDEN: Yes, it's -- it's a part of
19 the cost of -- just as much a part of that cost as our
20 materials and labour and expense; all of the other costs.

21 MR. BOB PETERS: You're not of the view that
22 that would overstate them on the balance sheet?

23 MR. VINCE WARDEN: Not at all, no.

24 MR. BOB PETERS: When I come to the pension
25 assets on the balance sheet, there appears to be some

1 indication that there's a deficit under Manitoba Hydro in
2 their pension assets.

3 Mr. Derksen or Mr. Warden, is that correct?

4 MR. VINCE WARDEN: That's correct. For the
5 fiscal year ended '02/'03, there was a deficit. There was a
6 surplus in '01/'02 and we're back into a surplus position
7 again in '03/'04.

8 MR. BOB PETERS: And the deficit the -- the
9 surplus you're talking about now is in the -- is in the
10 financial statements for the year ending 2004?

11 MR. VINCE WARDEN: Yes.

12 MR. BOB PETERS: All right. Which we haven't
13 seen yet?

14 MR. VINCE WARDEN: That's correct.

15 MR. BOB PETERS: Okay. And the deficit that
16 existed in 2003, Mr. Warden, was approximately 22 million?

17 MR. VINCE WARDEN: Yes, I believe so. Yes,
18 the difference between the 457 million that's indicated in
19 the assets versus the pension obligation of four seventy-nine
20 (479), that -- that's -- you're correct in your calculation.

21 MR. BOB PETERS: And I also noted that there
22 was a positive position on the Centra pension asset side of
23 the ledger. Are you aware of that?

24 MR. VINCE WARDEN: No, no. There's not a --
25 I'm not sure what you're referencing there, but there's not a

1 positive balance on the Centra side. The Centra plans are
2 actually in deficit.

3 MR. BOB PETERS: That's a separate deficit as
4 opposed to the Manitoba Hydro? They're not combined?

5 MR. VINCE WARDEN: It is -- it's a separate
6 deficit, yes.

7 MR. BOB PETERS: What is Manitoba Hydro's
8 plan to fund this \$22 million dollar deficit?

9 MR. VINCE WARDEN: They're being funded --
10 they'll be fully funded within the next five (5) years.

11 MR. BOB PETERS: Can you tell the Board what
12 is the status of the Winnipeg Hydro Pension Plan relative to
13 the Manitoba Hydro Pension Plan?

14 MR. VINCE WARDEN: The Winnipeg Hydro Pension
15 Plan is basically in a surplus position. However, there are
16 small -- there is a small contribution being made by Manitoba
17 Hydro. I believe the amount last year was about two hundred
18 thousand dollars (\$200,000), subject to check. I can check
19 that number, but it's in that range.

20 MR. BOB PETERS: Was that a deficit that
21 existed at the time of acquisition?

22 MR. VINCE WARDEN: No. Like other -- many
23 other pension funds, the City of Winnipeg Plan also
24 experienced some losses on investments and therefore the
25 surplus that was there at the time of acquisition, was

1 reduced.

2 MR. BOB PETERS: Will Manitoba Hydro be
3 amalgamating the pension plans?

4 MR. VINCE WARDEN: Of --

5 MR. BOB PETERS: Centra, Winnipeg Hydro and
6 Manitoba Hydro?

7 MR. VINCE WARDEN: Well, no. Part of the
8 asset purchase agreement was that the employees of Winnipeg
9 Hydro -- the former employees of Winnipeg Hydro, would remain
10 part of the civic plan because it's a superior plan to
11 Manitoba Hydro's and we'll continue to contribute to that
12 plan.

13 The -- the only way they could be -- ever be
14 merged is -- would be if Manitoba Hydro's plan was brought up
15 to the benefits provided in the -- in the civic plan. But we
16 don't foresee that happening in the near future.

17 MR. BOB PETERS: Would it be correct then,
18 that any new employees that are hired, whether they work in
19 the old Winnipeg Hydro surface -- service territory or not,
20 are added onto the Manitoba Hydro Pension Plan?

21 MR. VINCE WARDEN: Yes. That's what we're
22 doing. The bargaining unit that represents the former
23 Winnipeg Hydro employees doesn't agree with that and there's
24 a grievance filed for that reason.

25 MR. BOB PETERS: On the deferred debt costs,

1 listed on the balance sheet, I understand that approximately
2 \$513 million of deferred foreign exchange is included in that
3 \$571 million of deferred debt cost.

4 MR. VINCE WARDEN: That's correct, yes.

5 MR. BOB PETERS: Can you explain to the Board
6 how deferred foreign exchange arises on your balance sheet?

7 MR. VINCE WARDEN: Well, it's simply a
8 translation of US debt at the exchange rate prevailing at
9 balance sheet date. So, we would take all of the outstanding
10 US debt at March 31, 2003, for example, translate it at the
11 exchange rate at that date, and the gain or -- or loss is
12 recorded in deferred foreign exchange.

13 All those amounts are -- are hedged with the
14 firm export revenues and that will be reduced in two (2)
15 ways. Either by an improvement in the exchange rate, or by
16 the recording of revenues in the year in which those debt --
17 those debt -- respective debt issues mature.

18 MR. BOB PETERS: What exchange rate for --
19 for US debt do you record on your balance sheet?

20 MR. VINCE WARDEN: The exchange rate for US
21 debt is recorded at the exchange rate as at March 31st, 2000
22 -- of the respective year.

23 MR. BOB PETERS: I'm not sure that --

24 MR. VINCE WARDEN: Well, whatever the
25 exchange is at March 31st we'll record it at that existing

1 rate.

2 MR. BOB PETERS: Okay. And then what was
3 that day -- what was that rate on March 31st if you know, Mr.
4 Warden?

5 MR. VINCE WARDEN: Of 2003 or 2004?

6 MR. BOB PETERS: Well, since I haven't seen
7 2004, I'll stick with 2003.

8 MR. VINCE WARDEN: If I can just take one (1)
9 minute I'll give you both rates.

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(BRIEF PAUSE)

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MS. PATTI RAMAGE: Mr. Chair, while Mr.
Warden is looking that up, Mr. Cormie has provided me with an
answer to another one (1) of the undertakings given during
his testimony. So with your permission I thought we'd have
that distributed while -- to use the time.

THE CHAIRPERSON: Please.

MR. VINCE WARDEN: And I can give you those
rates now if you like. At March 31st of 2003, \$1.00 US was
equal to \$1.47, one forty-seven (147) Canadian. March 31st
of 2004, that rate was 1.31 Canadian. So it moved from one
forty-seven (147) to one thirty-one (131) over that period of
time.

MR. BOB PETERS: Is it the change from the

1 one forty-seven (147) to the one thirty-one (131) that
2 created the -- the deferred charge of \$513 million?

3 MR. VINCE WARDEN: Well, no it's taking all
4 of the debt at March 31st of 2003, all the US debt
5 translating it at one thirty-one (131) and the five hundred
6 and thirteen (513) number is what -- is derived there from --
7 from compared to the number in the previous year.

8 MR. BOB PETERS: Does that indicate to the
9 Board then that the -- the debt that you had, the -- the face
10 value of the debt was -- was more favourable?

11 MR. VINCE WARDEN: Well, the stronger
12 Canadian dollar meant that there was of a deferred amount to
13 -- to record on the balance sheet. It's -- because we're
14 fully hedged though on our debt principal, it really for
15 Manitoba Hydro's perspective we're pretty much indifferent to
16 the exchange rate.

17 MR. BOB PETERS: And the fully hedged again
18 is -- is simply on the physical side that you're going to
19 have US receipts and US debt and you offset one (1) to the
20 other?

21 MR. VINCE WARDEN: We match the two (2), yes,
22 that's right.

23 MR. BOB PETERS: What percentage of Manitoba
24 Hydro's debt is denominated in US currency?

25 MR. VINCE WARDEN: I believe it's around 60

1 percent. I'll double check that number but it's in that
2 order of magnitude.

3 MR. BOB PETERS: In turning to the goodwill
4 portion of the -- of the balance sheet, I understand this
5 goodwill comes 46 million from Winnipeg Hydro and 62 million
6 from Centra Gas Manitoba Inc. Have I got that right?

7 MR. WILLIE DERKSEN: Yes, that's correct.

8 MR. BOB PETERS: And, Mr. Derksen, this
9 goodwill is defined by Manitoba Hydro as the difference
10 between the purchase price and the value of the assets that
11 you acquired?

12 MR. VINCE WARDEN: That's right.

13 MR. BOB PETERS: And I understand that from
14 accounting perspectives, there is an impairment test that is
15 -- that is done to test whether the goodwill survives and
16 that impairment tests has been done on Centra?

17 MR. WILLIE DERKSEN: Yes, that's correct.

18 MR. BOB PETERS: And what was the result of
19 that, Mr. Derksen?

20 MR. WILLIE DERKSEN: The result was that
21 there's no impairment to the goodwill of Centra.

22 MR. BOB PETERS: And has an impairment test
23 done -- been yet done on the Winnipeg Hydro goodwill?

24 MR. WILLIE DERKSEN: Yes, it has.

25 MR. BOB PETERS: And when was that done?

1 MR. WILLIE DERKSEN: There was one (1) done
2 for March 31st of 2004.

3 MR. BOB PETERS: Are you prepared to file
4 that with the Board?

5 MR. VINCE WARDEN: There's really nothing to
6 file. The auditors at -- as part of their process year-end
7 audit confirm to the audit committee that there's no
8 impairment so there's no real document prepared in that
9 regard.

10 MR. BOB PETERS: Is there a note in the
11 financial statements?

12 MR. VINCE WARDEN: There's a note in the
13 minutes to the audit committee. But there's no specific
14 reference to that in the -- in the financial statements. If
15 there was an impairment there would be a note.

16 MR. BOB PETERS: Just on that note, Mr.
17 Warden and Mr. Derksen, it -- it appeared that there was
18 about \$73 million dollars of revenue that could be expected
19 from Winnipeg Hydro as a result of the acquisition.

20 Does that number sound about right?

21 MR. VINCE WARDEN: It's more --

22 MR. BOB PETERS: This would be --

23 MR. VINCE WARDEN: No --

24 MR. BOB PETERS: -- over the balance of the
25 seven (7) months left in the --

1 MR. VINCE WARDEN: Oh, yes.

2 MR. BOB PETERS: -- the year?

3 MR. VINCE WARDEN: I agree, yes.

4 MR. BOB PETERS: And there was still 41
5 million of prorated expenses, likewise, that would be
6 incurred as a result of that acquisition?

7 MR. VINCE WARDEN: Do you -- do you have a
8 reference on that?

9 MR. BOB PETERS: I'll just check and see if
10 it's in the financial statements. Note 2 on page 84 of the
11 consolidated financial statements for 2003.

12

13

(BRIEF PAUSE)

14

15 MR. VINCE WARDEN: Yes, I see that.

16 MR. BOB PETERS: And then does it follow that
17 of the surplus of 32 million would be reduced by the \$27
18 million loss to Manitoba Hydro by the wholesale revenue
19 loss?

20

21 So that over that seven (7) month period
22 there would be about a \$5 million surplus to Manitoba Hydro
as a result of the acquisition?

23

24

(BRIEF PAUSE)

25

1 MR. BOB PETERS: Maybe, Mr. Warden, I can --
2 I can assist in this fashion. If we start with 73 million
3 appreciating, we're dealing with a seven (7) month period
4 here. \$73 million of -- of revenue.

5 Subtract from that the \$41 million of
6 expenses and have about a \$32 million surplus. But that \$32
7 million surplus would be reduced by 27 million because of
8 the loss of wholesale revenue that Manitoba Hydro would
9 receive netting out at \$5 million of surplus over a seven
10 (7) month period.

11 Do you agree with that analysis to get to the
12 \$5 million surplus?

13 MR. VINCE WARDEN: Well, I agree that's what
14 you said the first time and yes, I -- that's what it works
15 out to --

16 MR. BOB PETERS: Well, I --

17 MR. VINCE WARDEN: -- yes.

18 MR. BOB PETERS: I was trying to be helpful
19 on it and if that was annualized over twelve (12) months you
20 would be at about \$8.6 million of surplus on an annual basis
21 or incremental benefit to Manitoba Hydro?

22

23

(BRIEF PAUSE)

24

25 MR. VINCE WARDEN: Mr. Peters, actually, in

1 reviewing these numbers I'm -- what I'm a little perplexed
2 about is the -- is the forty-one (41) that looks on the high
3 side. I'm sure it must be right, it's in our financial
4 statements. I'm just having -- trying to reconstruct in my
5 mind where that came from.

6 I think our estimate of expenses for the year
7 for -- for Winnipeg Hydro were more like thirty-two (32), 33
8 million.

9

10

(BRIEF PAUSE)

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12 MR. BOB PETERS: Well, that --

13

14 MR. VINCE WARDEN: If you'd just give me one

15

16 (1) -- one (1) minute.

17

18 MR. BOB PETERS: Sure. Sorry. Sure.

19

20

(BRIEF PAUSE)

21

22 MR. VINCE WARDEN: Sorry for that delay.

23

24 Would you like to carry on, Mr. Peters?

25

MR. BOB PETERS: Is the \$41 million of
expenses accurate?

1

2

MR. VINCE WARDEN: Well, I'm sure it's
accurate. The number I was referring to earlier was
operating and administrative expenses and you add on

3

4

5

1 interest, depreciation, forty-one (41), yes --

2 MR. BOB PETERS: Okay.

3 MR. VINCE WARDEN: -- would be accurate.

4 MR. BOB PETERS: All right. So on an
5 annualized basis, there would be about \$8.6 million of
6 incremental benefit to Manitoba Hydro?

7 MR. VINCE WARDEN: Well, I'm ha -- using
8 those nu -- the numbers that we have here I do agree with
9 your calculation, yes.

10 MR. BOB PETERS: All right. Let me give you
11 a chance that once we're finished this area of questioning
12 if you go back and reflect on it and want to file something
13 further, please do. And I don't want to limit the
14 information you provide to the Board.

15 But, if it was \$8.6 million on an annualized
16 basis, we've already heard that the payments start off at
17 \$25 million a year, decline to 20 million a year and then 16
18 million a year in perpetuity. Correct?

19 MR. VINCE WARDEN: Yes, and I -- I realize
20 that's where you're -- we're going with this and the \$73
21 million would probably not be proportional. The -- the
22 revenue for the full year, depending on the year -- or the
23 month of revenue.

24 So, I think what it would be -- what we've
25 stated in the past is essentially the acquisition of

1 Winnipeg Hydro is bottom-line neutral. It might be
2 worthwhile for us to put together a bit of a reconciliation
3 of that so we can demonstrate that that in fact is the case.

4 MR. BOB PETERS: So you'll take away this
5 and -- and provide the reconciliation and maybe what the
6 annualized incremental benefit is to Manitoba Hydro?

7 MR. VINCE WARDEN: Yes, I would prefer to do
8 that.

9

10 --- UNDERTAKING NO. 17: Provide the Reconciliation and
11 Maybe what the Annualized
12 Incremental Benefit is to Manitoba
13 Hydro.

14

15 MR. BOB PETERS: All right and then -- just
16 in general terms then, and not holding you to any particular
17 numbers at this time, where is the goodwill from the
18 Winnipeg Hydro acquisition. If the numbers of the
19 incremental benefit are in the area of -- and I'm proposing
20 \$8.6 million, and your payments are starting off at 25
21 million.

22

23 How -- how do we find goodwill in -- in that
24 transaction?

24

25 MR. VINCE WARDEN: Well, according to your
definition earlier, which I'd agree with, is -- is the

1 correct one (1) for goodwill.

2 That is, the -- the purchase price, over and
3 above the value of the assets, is represented by goodwill.
4 Then the goodwill is something that would represent future
5 earning potential of Winnipeg Hydro. And that's what the
6 auditor does when they look at whether or not there is an
7 impairment to -- to confirm that that earning potential is
8 there.

9 MR. BOB PETERS: Can you confirm that the
10 discount rate used by Manitoba Hydro to assess the purchase
11 price of Winnipeg Hydro was 7.45 percent?

12 MR. VINCE WARDEN: It was actually -- 7.45.
13 I'll agree with that.

14 MR. BOB PETERS: All right and was this
15 discount rate the same as the discount rate used on other
16 capital projects?

17 MR. VINCE WARDEN: It reflected our costs of
18 capital at the time of the acquisition and it would be
19 consistent with how we valued other capital projects at that
20 time.

21 MR. BOB PETERS: Did it -- did it include
22 both a -- a debt and an equity component?

23 MR. VINCE WARDEN: No, it would have been
24 debt only, the cost of debt only.

25 MR. BOB PETERS: Based on actual or based on

1 forecast?

2 MR. VINCE WARDEN: It would be based on
3 actual at that -- at that point in time.

4 MR. BOB PETERS: In the Winnipeg Hydro
5 acquisition, there were to be some revenue enhancements as a
6 result of that transaction, correct?

7 MR. VINCE WARDEN: Revenue enhancements, in
8 terms of? Could you maybe elaborate on what you mean by
9 that?

10 MR. BOB PETERS: It's my understanding from
11 the materials provided that as a result of purchasing the
12 Winnipeg Hydro assets, Manitoba Hydro thought it would have
13 an opportunity to increase electricity sales over and above
14 what Winnipeg Hydro was actually --

15 MR. VINCE WARDEN: Oh, I see. Yes. Yes.
16 The -- through the optimization of Winnipeg Hydro generating
17 facilities on the Winnipeg River, we did include some
18 additional revenue for that purpose, yes. And that's what
19 we meant by revenue enhancements.

20 MR. BOB PETERS: And, I think that one (1)
21 of the three (3) areas of revenue enhancements, but I think
22 we heard today that there's been no decision to enhance the
23 Pointe du Bois or the Slave Falls facilities at this point
24 in time.

25 Is that also correct?

1 MR. VINCE WARDEN: That's correct.

2 MR. BOB PETERS: So at this point in time,
3 there is no revenue enhancement planned as a result of your
4 acquisition of Winnipeg Hydro.

5 MR. VINCE WARDEN: Well, there -- there's
6 still enhancements in the way we operate those facilities
7 so, rather than operating independently from Winnipeg Hydro,
8 there are benefits derived from it -- from them being
9 operated as part of the integrated generation system.

10 MR. BOB PETERS: When you say -- but weren't
11 they by and large being integrated before recognizing
12 Winnipeg Hydro was the operator?

13 MR. VINCE WARDEN: They were, but there were
14 cases where they would be taken down for maintenance, not
15 co-ordinated with Manitoba Hydro. So Manitoba Hydro would
16 have to do work-arounds, because of Winnipeg Hydro's
17 maintenance schedules, those kind of operational
18 difficulties that no longer exist.

19 MR. BOB PETERS: Do you know what that would
20 quantify to on an annual basis, Mr. Warden, in terms of
21 those operating efficiency enhancements?

22 MR. VINCE WARDEN: I'll look at -- towards
23 Mr. Cormie, Mr. Surminski. They might have more information
24 in that but I'm sure that's part of our documentation.

25 I don't have that at my fingertips, so.

1 MS. LYN WRAY: Mr. Peters, I believe we did
2 all that work as part of the Winnipeg Hydro acquisition
3 project and we didn't file information on that at this
4 hearing because of the -- the provisions that the government
5 issued, that it was not to be reviewed by the PUB.

6 MR. BOB PETERS: Are you able -- just so
7 that we're clear, if there's a suggestion that there's going
8 to be revenue enhancements as a result of operating
9 efficiencies, I just wondered if you could provide that
10 number to this Board, or is it your position that that's not
11 to be provided to this Board?

12 MS. LYN WRAY: I can't comment on the legal
13 matters, but I -- just to say that we did look at all of
14 that in the context of the Winnipeg Hydro acquisition.

15 A purchase price was agreed upon and what
16 we've provided you, and I don't have the reference in front
17 of me, but there's been several interrogatories where we
18 showed the net impact on the IFF of all the efficiencies
19 that we could foresee and synergies, the impacts of the
20 purchase price to Winnipeg Hydro.

21 And our conclusion as laid out in the
22 responses to the interrogatories was that the impact would
23 be bottom-line neutral. There would be a small impact on
24 the debt ratio by -- by the end of the IFF period and -- and
25 similarly a very small impact on the interest coverage

1 ratio.

2 But in terms of net income, it might be up a
3 little year, down -- one (1) year and down a little the next
4 year, but by and large, over the forecast period, it was --
5 it netted out.

6 And that would have comprised our
7 quantification of the operating efficiencies that you're
8 referring to.

9 MR. BOB PETERS: All right, just so we don't
10 dwell too long here, Ms. Wray, there was an interrogatory,
11 CAC/MSOS-MH-I-IR-6(A) which contained a schedule attached to
12 it that you may be referring to, and in fairness, you should
13 have a chance to review that and see if you have any further
14 comments in respect of the last answer you gave.

15 MS. LYN WRAY: What was that number again,
16 Mr. Peters?

17 MR. BOB PETERS: CAC/MSOS-MH-I-IR6(A). And
18 I'm looking on Page 2 of two (2) at the table.

19

20

(BRIEF PAUSE)

21

22 MS. LYN WRAY: Yeah, the -- the
23 interrogatory I was thinking of was one (1) to do with the
24 IFF. This is one (1) that Mr. Derksen could speak to.

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1 (BRIEF PAUSE)

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MR. WILLIE DERKSEN: I wonder if you could just repeat the question for me, Mr. Peters?

MR. BOB PETERS: Well, what I -- what I wanted to -- to find out was that the revenue enhancements that were going to hopefully be achieved as a result of the Winnipeg Hydro acquisition, I thought were confined to three (3) areas, one (1) of which was the additional output from two (2) plants.

I thought there was excess fibre optic capacity which you could rent out and the other was electricity sales.

Are you familiar with those?

MR. WILLIE DERKSEN: Yes, that's -- I'm familiar with those and those are the three (3) areas that we did talk to.

MR. BOB PETERS: Are those three (3) areas in total, a \$2 million enhancement?

MR. WILLIE DERKSEN: That was our projection, yes.

MR. BOB PETERS: All right. And is that projection still being made, recognizing that Pointe du Bois and Slave Lakes may not be up -- or Slave Falls will not be upgraded?

1 MR. WILLIE DERKSEN: I -- I believe the
2 amount included in this response related to matters that Mr.
3 Warden talked about and I believe we are achieving those
4 enhancements already. It wasn't -- they weren't due to an
5 overhaul or to a refurbishment of that facility.

6 MR. BOB PETERS: All right, fair enough. In
7 terms of Power Smart savings, Mr. Derksen, is Manitoba Hydro
8 supposed to deliver a dollar amount of DSM savings to
9 Winnipeg -- City of Winnipeg?

10 MR. WILLIE DERKSEN: Yes.

11 MR. BOB PETERS: What amount is that, Mr.
12 Warden? Is that eight hundred thousand (800,000) a year?

13 MR. VINCE WARDEN: Eight hundred thousand
14 (800,000) per year is right, yes.

15 MR. BOB PETERS: And that's the savings that
16 Winnipeg is supposed to receive annually?

17 MR. VINCE WARDEN: Yes, over a ten (10) year
18 period.

19 MR. BOB PETERS: And the costs to achieve
20 that are paid for by whom?

21 MR. VINCE WARDEN: By Manitoba Hydro.

22 MR. BOB PETERS: Mr. Derksen, there's an
23 unallocated reserve attached to this transaction noted in
24 one (1) of the interrogatories, I think the one (1) that I
25 had referenced to Ms. Wray of about 2.985 million. Can you

1 explain what that's for?

2 MR. WILLIE DERKSEN: Yes, at the point or
3 just subsequent to the acquisition, there were detailed
4 assessments made of what synergy savings could be
5 accomplished immediately. Those totalled approximately \$3
6 million dollars and our target and our expectation is that
7 by 2005 and '06 we will achieve a total of \$6 million
8 dollars of operating cost reductions.

9 The \$3 million dollars is included in our
10 budgets and is included in the forecasts in this IFF. But
11 the specific areas where that's to be achieved has not yet
12 been planned or assessed.

13 MR. BOB PETERS: Would you agree, Mr.
14 Derksen, that the good will then is in some way tied to the
15 synergy that you hope to achieve?

16 MR. VINCE WARDEN: The -- the -- there
17 really isn't a direct linkage there to the synergies. It's
18 more so based on the -- the revenue potential of Winnipeg
19 Hydro as an entity compared to the costs that we -- the
20 amount we paid for Winnipeg Hydro.

21 MR. BOB PETERS: Can you indicate, Mr.
22 Warden, how Manitoba Hydro will know when it's achieved the
23 -- the synergies that it -- it expects to?

24 MR. VINCE WARDEN: Well, as Mr. Derksen
25 indicated, we've actually pulled those amounts out of the

1 budgets of Manitoba Hydro. So, they're being driven --
2 driven through the budgeting process.

3 MR. BOB PETERS: They're not tracked
4 discreetly by department or a profit centre or a business
5 centre, they're done just through the budgeting process?

6 MR. VINCE WARDEN: To the extent possible.
7 To the extent that they're allocate -- we're able to
8 allocate them directly to a -- a business unit division, a
9 department, we do that. But to the extent we're not able to
10 do that, they're taken out at the corporate level.

11 MR. BOB PETERS: All right. Also noted is
12 that as part of this purchase, Manitoba Hydro issued \$186
13 million dollars of debt in the form of Hydro Bonds to the
14 City. Is that correct?

15

16 (BRIEF PAUSE)

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18 MR. VINCE WARDEN: I'm not sure where you're
19 getting your reference to Hydro Bonds, Mr Peters. Maybe you
20 can point us in that direction.

21 MR. BOB PETERS: On page 89 of the financial
22 statements for 2003, there was referenced -- there was a
23 reference to hy -- to bonds being issued to the City of
24 Winnipeg. Perhaps my reference to them as Hydro Bonds may
25 have been inappropriate but --

1 MR. VINCE WARDEN: Yes, they're -- they're
2 Manitoba Hydro Board Bonds, but they're -- don't come under
3 the heading of what we call Hydro Bonds.

4 MR. BOB PETERS: And these bonds were to pay
5 off long term debt that -- that the City -- that Winnipeg
6 Hydro had?

7 MR. VINCE WARDEN: Yes.

8 MR. BOB PETERS: It -- it appears that the
9 interest rate of these bonds range from 5.9 to 11.7 percent,
10 Mr. Warden. Is that correct?

11 MR. VINCE WARDEN: Those were the rates on
12 the bonds existing -- the existing debt of Winnipeg Hydro,
13 yes.

14 MR. BOB PETERS: Okay. Well -- why would
15 you not issue bonds at a lower interest rate and reduce the
16 debt level from what Winnipeg Hydro was carrying?

17 MS. PATTI RAMAGE: Mr. Peters, I think now
18 we're crossing -- it's a fine line we're walking here I
19 know, but we're -- we're crossing over to acquisition
20 reasons for the purchase price paid versus the impact on
21 rates going forward.

22 MR. BOB PETERS: In terms of the impact on
23 rates going forward with this -- the additional debt cost
24 would be cost paid for by the consumers of Manitoba Hydro
25 going forward; would they not, Mr. Warden?

1 MR. VINCE WARDEN: Any costs over and above
2 the revenues we derived from the acquisition would be borne
3 by the ratepayers of Manitoba, that's correct. I think
4 though we've stated that it's bottom line neutral to
5 Manitoba Hydro and its ratepayers and that was the basis
6 under which the purchase agreement was consummated with the
7 City.

8 MR. BOB PETERS: Mr. Chairman, in light of
9 the hour and the admonition I had received, I think I'll
10 stop at this point.

11 I do want to thank Mr. Cormie, Mr. Surminski,
12 Ms. Wray, Mr. Warden and Mr. Derksen to -- for answering the
13 questions that they have. And I'll use the time between now
14 and when we next meet to see if I have anymore questions and
15 then if I do I'll beg my friends opposite for an
16 opportunity. But if not, I thank them at this time for
17 their co-operation. I do appreciate it greatly.

18 THE CHAIRPERSON: Thank you, Mr. Peters.
19 Thank you for Responders from Manitoba Hydro. Ms. Ramage, I
20 -- I guess we have another exhibit here? Exhibit 22?

21 MS. PATTI RAMAGE: That's right and I'll
22 agree with My Friend, Mr. Peters that we were -- we're 21
23 now 22 here.

24 THE CHAIRPERSON: Well, thank you to
25 everyone and we will see you again next Monday at nine

1 o'clock. Take care.

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3 --- Upon Adjourning at 4:05 p.m.

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Carol Wilkinson, Ms.

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