

## MANITOBA PUBLIC UTILITIES BOARD

Re: MANITOBA HYDRO

GENERAL RATE APPLICATION

2012/13 AND 2013/14

Before Board Panel:

Regis Gosselin - Board Chairman

Raymond Lafond - Board Member

Larry Soldier - Board Member

HELD AT:

Public Utilities Board

400, 330 Portage Avenue

Winnipeg, Manitoba

December 17, 2012

Pages 1242 to 1512



			1243
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	1244
1	TABLE OF CONTENTS
2	Page No.
3	List of Exhibits 1245
4	List of Undertakings 1246
5	
6	MANITOBA HYDRO PANEL 2 - REVENUE REQUIREMENT, RESUMED:
7	VINCE WARDEN, Resumed
8	DARREN RAINKIE, Resumed
9	DAVID CORMIE, Resumed
10	
11	Continued Cross-examination by Mr. Bob Peters 1250
12	
13	Certificate of Transcript 1512
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

1	LIST OF EXHIBITS	1245
2	Exhibit No. Description	Page No.
3	MH-18(ADDITION)Responses to PUB Pre-ask	
4	2 and 3	1248
5	MH-22 Responses to MIPUG Pre-asks 1	
6	through 6	1249
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

			1246
1		LIST OF UNDERTAKINGS	
2	No.	Description Pag	e No.
3	23	Manitoba Hydro to update PUB/Manit	oba
4		Hydro Second Round Question 14A to	
5		include the IFF12 information and,	
6		subject to the Corporation's	
7		determination, advise as to whethe	r
8		there will also be a new high-low	
9		range provided at this time	1282
10	24	Manitoba Hydro to quantify the imp	act
11		of the expected Jenpeg outage on t	he
12		hydraulic flows for the current te	st
13		year; additionally, Manitoba Hydro	to
14		advise the Board as to whether the	
15		hydraulic output forecast for the	
16		current test year and the next tes	t
17		year are going to be impacted; as	
18		well, Manitoba Hydro to include th	е
19		exports that it has achieved up to	
20		December 1, 2012	1308
21	25	Manitoba Hydro to advise the Board	
22		of what management provisions had	
23		been included in IFF11	1313
24			
25			

			1247
1		LIST OF UNDERTAKINGS (Con't)	
2	No.	Description Page	e No.
3	26	Manitoba Hydro to advise the Board	on
4		the approximate capital costs of a	
5		250 megawatt combined-cycle	
6		combustion turbine combined to the	
7		capital costs of a 250 megawatt	
8		simple-cycle combustion turbine, as	\$
9		well as advise the Board as to how	
10		scalable those prices are, in terms	\$
11		of up-sizing the turbine in terms	
12		of relative costs	1335
13	27	Manitoba Hydro to provide a link to	)
14		the BC Hydro report and copies of t	he
15		Manitoba Hydro initiative taken in	
16		response to what happened in the BC	•
17		Hydro review	1389
18	28	Manitoba Hydro to file the operatin	ıg
19		costs reductions with regard to the	Ž
20		new office building	1396
21	29	Manitoba Hydro to provide the Board	l
22		the information request which	
23		addresses the list of forecasters	
24		used for estimated future rates	1436
25			

1248 --- Upon commencing at 9:00 a.m. 2 THE CHAIRPERSON: I believe we're ready 3 to start today's proceedings. Good morning, everyone. I hope everyone had a good weekend. I wonder if we have any matters to attend to before we commence the -the -- continue the cross-examination? 7 8 MS. ODETTE FERNANDES: Yes, we do. Thank you, Mr. Chairman. Odette Fernandes, for the record. Manitoba Hydro, this weekend, emailed a few 10 documents to Board counsel and Intervenors. The first 11 two (2) documents were responses to PUB Pre-ask 2 and 13 3, which I spoke with Mr. Peters, and I think the best 14 way to handle that would be to include them in Tabs 2 15 and 3 of Manitoba Hydro Exhibit 18 instead of giving 16 them a different exhibit number. So if we just put Tabs 2 and 3, those documents, into those tabs. 17 18 19 --- EXHIBIT NO. MH-18 (ADDITION): 20 Responses to PUB Pre-ask 2 21 and 3 22 23 MS. ODETTE FERNANDES: And then 24 Manitoba Hydro also filed responses to MIPUG Pre-asks 1 25 through 6. And the first Pre-ask is quite a large

1249 document. It's about three hundred (300) pages. did email that around to everyone. But we suggest that that be Manitoba Hydro Exhibit number 22. And if 3 parties would like paper copies of those, we can have those made as well. 6 7 --- EXHIBIT NO. MH-22: Responses to MIPUG Pre-asks 8 1 through 6 9 10 MR. BOB PETERS: Yes. Thank you, Mr. Chairman. You'll recall, I believe it may have been 11 Friday or Thursday, that Manitoba Hydro provided a 13 binder that was marked as Manitoba Hydro Exhibit 18. 14 It predominantly contained information relating to 15 Pointe du Bois. But at the front end of that file 16 there are a number of tabs, and Manitoba Hydro has been using those tabs in which to insert questions that have 17 18 been asked on behalf of the Board after the information 19 request process has concluded. 20 So Ms. Fernandes's suggestion is -- is a 21 good one, that we insert the pre-ask questions that she 22 filed this weekend into the appropriate tab in Manitoba 23 Hydro Exhibit 18. And then the pre-ask questions of 24 MIPUG, which related to depreciation matters, should be 25 taken then as Manitoba Hydro Exhibit 22. Thank you.

1250 (BRIEF PAUSE) 1 2 3 MR. BOB PETERS: If I could, Mr. Chairman, I'd like to continue with a couple of points that Mr. Cormie can assist the Board with. 6 7 MANITOBA HYDRO PANEL 2 - REVENUE REQUIREMENT, RESUMED: 8 VINCE WARDEN, Resumed 9 DARREN RAINKIE, Resumed 10 DAVID CORMIE, Resumed 11 12 CONTINUED CROSS-EXAMINATION BY MR. BOB PETERS: 13 MR. BOB PETERS: And, Mr. Cormie, when 14 we concluded our questioning on Friday, the Board was 15 reviewing the export prices obtained on sale aspects. And we're looking at page 91 of Board counsel's Exhibit 14 found at Tab 9 of the book of documents. 17 18 And we were looking at the top half of 19 the chart dealing with sales, and the bottom half related to purchases. Do you recall that, sir? 20 21 MR. DAVID CORMIE: Yes. 22 MR. BOB PETERS: And when the Board 23 looks at opportunity sales, those would include the 24 day-ahead sales, correct? 25 MR. DAVID CORMIE: Yes.

- 1 MR. BOB PETERS: And then opportunity
- 2 purchases, Manitoba Hydro also purchases day-ahead and
- 3 real-time energy as well?
- 4 MR. DAVID CORMIE: Yes.
- 5 MR. BOB PETERS: When the Board looks
- 6 at -- let's just pick 2008/'09 for historical
- 7 information, the real-time day-ahead sales are
- 8 averaging approximately four point one (4.1) cents a
- 9 kilowatt hour. Do you accept that?
- 10 MR. DAVID CORMIE: Subject to check,
- 11 yes.
- MR. BOB PETERS: And at the bottom part
- 13 of the chart the Board will see that when Manitoba
- 14 Hydro purchases, they're purchasing in the day-ahead
- 15 and the real-time market for -- again, subject to check
- 16 -- an average of five (5) cents a kilowatt hour.
- 17 MR. DAVID CORMIE: Yes.
- 18 MR. BOB PETERS: And we can look at the
- 19 same data for 2011 and '12 at the far right-hand side
- 20 of the chart. Manitoba Hydro is selling at about two
- 21 point one (2.1) cents on the opportunity sa -- market
- 22 and they're buying for approximately two point zero
- 23 (2.0) cents a kilowatt hour.
- MR. DAVID CORMIE: Yes.
- MR. BOB PETERS: Mr. Cormie, would it

PUB - MANITOBA HYDRO GRA 12-17-2012 1252 be correct to say that -- does Manitoba Hydro make those purchase and sales in an effort to gain revenues? 3 MR. DAVID CORMIE: The transactions are to gain revenues, but also to reduce the costs of operating the power system, Mr. Peters. For example, if it's less expensive for us at the time of peak to 7 purchase power than it is to run our combustion turbine, we'll enter into a power purchase agreement 10 over the -- over the peak period. 11 So, although we may be energy long and we're -- we're selling energy, there may be 13 hours when -- where we -- we don't have a surplus and 14 it's necessary to -- to buy energy to serve a sale. So 15 it's not -- the -- the purchases may not be made to -to increase revenues, but to reduce the cost of serving 17 our sale obligations.

- 18 MR. BOB PETERS: These opportunity
- 19 sales, Mr. Cormie, are made once Manitoba Hydro's
- domestic customers and your firm export customers are
- 21 already looked after?
- 22 MR. DAVID CORMIE: The sales would be,
- 23 yes.
- 24 MR. BOB PETERS: All right. And the
- purchases -- you're indicating that in some

- 1 circumstances you may have to purchase or you may
- 2 choose to purchase even though you have hydraulic
- 3 energy available.
- 4 MR. DAVID CORMIE: I don't -- I -- I
- 5 wouldn't go that far, Mr. Peters, saying when we have
- 6 hydraulic energy available we may -- we may have
- 7 exhausted the hydraulic capability of the power system
- 8 at the time of peak. And, as we indicated the other
- 9 day when it was 4,400 megawatts of load on -- I think
- 10 it was last Tuesday, rather than starting our
- 11 combustion turbines that might cost ten (10) cents a --
- 12 a kilowatt hour to run, we'll go to the market and --
- 13 and buy during the peak hours to -- to serve our -- our
- 14 obligations. And so, at the time of peak, all the
- 15 hydraulic units may be already operating and the least
- 16 expensive way to serve load may be through a power
- 17 purchase.
- In addition to that, we do have
- 19 emergencies, and -- and emergency power needs to be
- 20 purchased at times. And you'll notice in those
- 21 volumes, for example in 2008 and '09, sale volumes
- 22 were, you know, 5,000 gigawatt hours -- forty-nine
- 23 seventy-eight (4,978) it shows on your table -- and the
- 24 purchase volumes are two hundred and seventy-six (276).
- 25 So they're a fraction, and that tells me that these are

1254 -- these are transactions that either were done during emergencies or during periods when we're capacity short in the hydro system and we're purchasing to minimize 3 costs. 5 MR. BOB PETERS: Could you explain to the Board what you mean by "emergencies"? 7 MR. DAVID CORMIE: Fires at generating stations, problems on the DC system, pole outages, valve group outages. During emergencies we purchase 10 power in order to continue to serve our load 11 obligations. 12 MR. BOB PETERS: From the volumes that 13 you've identified for the Board, Mr. Cormie, does that 14 suggest that it wasn't arbitrage opportunities that was 15 motivating those transactions? 16 17 (BRIEF PAUSE) 18 19 MR. DAVID CORMIE: Well, I -- I can't say that there weren't arbitrage transactions in here, 21 but remember, Mr. Peters, the price of electricity 22 isn't a constant two point four (2.4) cents a kilowatt 23 hour year around. That is an average price, so there 24 are periods when prices are higher than that. They 25 could be five (5) cents a kilowatt hour and we could be

- 1 buying at two (2) cents. And so there could be an
- 2 arbitrage transaction in there -- buy at two (2) and
- 3 sell at five (5), and it would show up -- they -- it
- 4 would all get averaged out.
- 5 So the average may not reflect a -- a
- 6 positive -- or a favourable number, but that's because
- 7 it's -- it's an average of many transactions for
- 8 different purposes and at different times of year.
- 9 MR. BOB PETERS: All right. To ensure
- 10 we have your point then, Mr. Cormie, at the top half of
- 11 the chart if we look to see what the average export
- 12 sales prices were in '08/'09, we see that there was
- 13 contracts at six point one (6.1) and the opportunity at
- 14 four point one (4.1), correct?
- MR. DAVID CORMIE: Yes, subject to
- 16 check.
- 17 MR. BOB PETERS: And then the -- the
- 18 bottom part of the chart at the very last line
- 19 indicates average purchase prices would have been about
- 20 five point one (5.1) cents by contrasting that to the -
- 21 to the sales prices?
- MR. DAVID CORMIE: Yes.
- 23 MR. BOB PETERS: And likewise if we go
- 24 over to '11 and '12 -- 2011/'12, the sales were on
- 25 average four (4) cents for contracts and two (2) -- two

1256 point one (2.1) cents for opportunity. And that contrasts with the purchase price of five point five (5.5) cents, correct? 3 5 (BRIEF PAUSE) 6 7 MR. DAVID CORMIE: Yes, but now you're mixing in -- the five point five (5.5) includes the dependable purchases, Mr. Peters, that don't reflect spot market prices, they reflect the all-in resource 10 11 cost. 12 MR. BOB PETERS: Much like the contract 13 sales prices would have on the top part of the chart? 14 MR. DAVID CORMIE: Yes, in the contract 15 sales price there would be the dependable sales as well 16 as the short-term contract sales prices. The -- the 17 dependable sales are not expected to -- we -- we don't 18 enter into those in order to compete with the real-time 19 sales, Mr. Peters, but we do -- we do enter into shortterm contract sales with the expectation that in the 21 vast majority of cases they will -- those prices will 22 be better than what we would get in day-ahead or real-23 time. 24 We have the choice of selling forward at 25 a fixed price or we have the choice of just leaving the

1257 energy, and if it's surplus on the day then we sell it and we enter into the short-term contract prices with the expectation that this is a much better price than 3 we could by just leaving the energy for real-time. 5 MR. BOB PETERS: Mr. Cormie, would it be a fair conclusion that the selling of purchased power is not a profitable aspect of the export business? 9 10 (BRIEF PAUSE) 11 12 MR. DAVID CORMIE: Could you define 13 what you mean by "purchased power", Mr. Peters? 14 MR. BOB PETERS: Well, I was -- if 15 we're comparing the averages, and I appreciate we are 16 looking at average information here, Mr. Cormie --17 MR. DAVID CORMIE: M-hm. 18 MR. BOB PETERS: -- but when the -- the 19 average purchase price is almost the same as the average sale price, then on average there isn't a large 21 amount of revenues that are being generated as a result 22 of those transactions? 23 24 (BRIEF PAUSE) 25

1258 MR. DAVID CORMIE: 1 The -- the purchase price for the dependable purchases is -- is -- in -- in your numbers here shows that they are more expensive than the value of the energy. And it's not a profitable transaction, no. 6 MR. BOB PETERS: So --7 MR. DAVID CORMIE: But it was not -not intended to be. MR. BOB PETERS: -- so Manitoba Hydro's motivation for doing that is -- is something other than 10 profit at that point? 11 12 MR. DAVID CORMIE: Our motivation is we 13 have that resource on the system, it's generating 14 electricity and -- and it's adding to the surplus on 15 the system. And as -- I think as we had a discussion Friday afternoon, Mr. Peters, and I was going off and 17 telling you about whether it's fair to put any 18 particular resource at the margin and then judge its 19 liability based on whether the -- it -- the cost of -of that energy was -- could be measured against the 21 opportunity export market. 22 And -- and this is another example where 23 we're saying dependable purchases are going to the 24 opportunity market. And I would say, well, is it dependable or is it another resource that -- surplus

- 1 that's coming off the existing hydro system because we
- 2 have high water, or is it coming off the last generator
- 3 that was just built so that this -- you know, we can
- 4 always argue whether -- for any particular resource,
- 5 whether it's at the margin or not.
- And I think that's an unfair discussion.
- 7 I think we should be averaging all the costs -- all the
- 8 costs in saying, This is the supply, and each resource
- 9 will pick up a fair share of dependable opportunity and
- 10 of opportunity revenue.
- MR. BOB PETERS: So to get Manitoba
- 12 Hydro's marginal cost, you would do that? You would
- 13 average the cost of all generators and all supply
- 14 sources?
- MR. DAVID CORMIE: In proportion to the
- 16 amount of dependable energy they have in there. In --
- 17 yes, I would -- I would weight it.
- 18 MR. BOB PETERS: Is that what Manitoba
- 19 Hydro does?
- 20 MR. DAVID CORMIE: We don't do it that
- 21 way, Mr. Peters. I -- I -- we only do it because you
- 22 ask us to do it, to do that calculation. It's not
- 23 something that we do. We don't go to a generating
- 24 station and -- and when we speak to the staff, they're
- 25 going to say, well, how much was -- was -- what was the

- 1 value of this generating station, and then relate that
- 2 back to the export market. Because if you -- if you
- 3 evaluated the value of every generating station at the
- 4 margin, nobody's left, then, meeting the firm
- 5 requirements of the power system.
- 6 MR. BOB PETERS: Then, Mr. Cormie, how
- 7 does Manitoba Hydro decide whether or not it will make
- 8 the -- make an export sale out of the opportunity rev -
- 9 opportunity energy that it has available?
- 10 MR. DAVID CORMIE: We look at the total
- 11 system surplus that's available and we -- regardless of
- 12 where it's coming from. And then we take that surplus
- 13 and we take it to market and try and maximize its
- 14 value. But we don't assign the surplus on any
- 15 particular day to a specific unit or a generating
- 16 station.
- MR. BOB PETERS: You don't put a value
- 18 on that surplus?
- 19 MR. DAVID CORMIE: Oh, the surplus is
- 20 valued at the market. But the question is: Do you
- 21 assign it back to a particular supply source in -- in
- 22 the system.
- 23 MR. BOB PETERS: And to determine
- 24 whether Manitoba Hydro is covering its costs, what
- 25 calculation do you do to determine that?

1261 1 (BRIEF PAUSE) 2 3 MR. DAVID CORMIE: Well, you still look at the value of the surplus, but I'm -- only -- my only -- my only caveat is that you just can't assign that cost back to a specific supply source. The system as a 7 whole is producing the surplus and not of a specific generator. 9 MR. BOB PETERS: And the question that 10 I am trying to get to, Mr. Cormie, is: What's the value of that surplus to Manitoba Hydro, and how is it 11 12 calculated? 13 MR. DAVID CORMIE: Well, then -- then 14 it's done at -- at the margin, based on market prices 15 for the value of the surplus energy. 16 MR. BOB PETERS: And if Manitoba Hydro knows what the market price is, it has to make a 17 18 determination whether it's going to sell into that 19 market, correct? 20 MR. DAVID CORMIE: Yes. 21 MR. BOB PETERS: And at that time, to determine whether it wants to sell into that market, it 22 23 has to understand what it -- its -- the value of its 24 product is before it goes into that market. 25 MR. DAVID CORMIE: Yes. But I could

- 1 suggest that 2011/'12 might have been one (1) of the
- 2 lowest lows on record, and we would not have had a
- 3 surplus, and Manitoba Hydro could be out in the market
- 4 purchasing energy. And then we would -- might have
- 5 been able to say, Hm, that -- the price for that
- 6 purchase power might have been very attractive, and
- 7 this would be a non-issue.
- 8 So the water supply goes up and down
- 9 with the weather, and the -- and to judge whether
- 10 having a particular resource in the system is a good
- 11 thing or not shouldn't be done based on spot market
- 12 prices and spot market costs, because they're highly
- 13 volatile. When Manitoba Hydro makes a resource
- 14 decision, it does it assuming all possible flow
- 15 conditions and looking at the average condition. And
- 16 we enter into transactions on -- on that basis.
- 17 THE CHAIRPERSON: I just want to
- 18 understand the dynamics here, because you -- you know
- 19 what the marginal costs are. And are you suggesting
- 20 that you never sell below your marginal costs into the
- 21 export market?
- MR. DAVID CORMIE: We never sell below
- 23 our short-run marginal costs. So if we are to enter
- 24 into a transaction, we know precisely what are the
- 25 costs of generating that incremental, or marginal,

- 1 megawatt hour is, and we know what the revenue is. And
- 2 -- and we wouldn't enter intrans -- into a transaction
- 3 if we didn't have an expectation of profit. And -- and
- 4 I'm speaking about the day-ahead -- the real-time
- 5 market.
- 6 THE CHAIRPERSON: Now the constituents
- 7 of that short-term marginal cost would be -- could you
- 8 just describe that very briefly for me?
- 9 MR. DAVID CORMIE: For a hydro unit
- 10 there -- to the -- the water rental costs, the
- 11 incremental operating and maintenance cost of the unit
- 12 adjusted to -- for losses to the border, and that
- 13 becomes the -- the incremental cost of the -- of the
- 14 hydro. And to that we add a profit and we will not
- 15 trade -- we will not sell that unless we're able to
- 16 achieve a price greater than that.
- 17 MR. RAYMOND LAFOND: Theoretically, if
- 18 there's -- are huge water flows and you're spilling,
- 19 your cost is zero, right?
- 20 MR. DAVID CORMIE: The -- there is
- 21 water rental cost if we generate.
- MR. RAYMOND LAFOND: Fair enough.
- 23 MR. DAVID CORMIE: And you could argue
- 24 that it's -- it -- it's a tax to the province, and it's
- 25 going from one pocket to the other but -- but the

- 1 Utility has a utility cost of the water rentals.
- THE CHAIRPERSON: So I'm a supplier in
- 3 US and I know what your costs are, I -- I would
- 4 probably know pretty quickly what Manitoba Hydro's
- 5 costs are based on your bid performance. So all I have
- 6 to do is come in a little bit lower and I would capture
- 7 what's available there, right?
- 8 MR. DAVID CORMIE: Our offer prices are
- 9 confidential so no -- no market participant knows what
- 10 the other prices are. But I -- I don't believe that
- 11 there's a market participant out there who could not
- 12 guess what Manitoba Hydro's production costs because
- 13 our hydro is like all hydro. It's -- it has a very,
- 14 very low cost.
- But it's not the low-cost suppliers that
- 16 is setting the market clearing price; it's the high-
- 17 cost suppliers. It's the gas turbines and the coal
- 18 units, the -- the oil-fire generators is -- is --
- 19 that's creating the -- the market clearing price.
- 20 And so Manitoba Hydro is well down. And
- 21 whether we were to charge five dollars (\$5) or six
- 22 dollars (\$6) or seven dollars (\$7) a megawatt hour as
- 23 our -- as our offer price probably has no effect on the
- 24 market clearing price, except that we're -- as long as
- 25 we're participating we lower the -- the price curve

1265 because we know have our 1,000 or 2,000 megawatts in at a -- at a price that in all likelihood is well below the -- the market clearing price. 3 THE CHAIRPERSON: I guess the notable exception being the -- the real-time pricing when you're competing against wind, I guess. 7 MR. DAVID CORMIE: Yes, and on -- on those days when -- when we're forecasting that wind will be setting that price, and it very well could be a 10 negative price, we won't par -- we won't participate in 11 the day-ahead. Why would we pay to sell our energy? 12 We would leave our water in the reservoir storage and 13 use it the next day. 14 15 (BRIEF PAUSE) 16 CONTINUED BY MR. BOB PETERS: 17 18 MR. BOB PETERS: Mr. Cormie, would it 19 be a correct summary of our discussion for the last few minutes that Manitoba Hydro's sales from purchased 21 power in some circumstances will be profitable, and in 22 other circumstances may be unprofitable, but on balance 23 they're either break-even or profitable? Would that be 24 your experience?

1266 1 (BRIEF PAUSE) 2 3 MR. DAVID CORMIE: The -- the reason I'm taking a bit of time, Mr. Peters, is I'm still dealing with the dependable purchase category of purchases. If -- if you -- if you were to set those aside as being the total resource cost in -- in the 7 vast majority of transactions when we purchase power for resale it does -- it does take place at a profit, 10 by design. 11 And every day the power traders make 12 thousands of transactions, all following that same 13 process of calculating the cost, adjusting for margin, offering that in, and only if that transaction is --14 15 clears the market and comes in at or below the market 16 clearing price. Because we have a defined profit 17 margin, it will be at a profit. 18 THE CHAIRPERSON: Mr. Cormie, you had 19 mentioned on Friday that the figures that we see on 20 contract prices does not include demand charges. 21 Could you give us an idea of the -- of 22 the size of those demand charges? Are they significant or... 23 24 MR. DAVID CORMIE: It -- it's -- it was only with respect to how the National Energy reports

- 1 energy prices. Just in the -- when you go to the
- 2 National Energy Board website and you -- and you look
- 3 at the revenues associated with the exports, the NEB
- 4 doesn't consider the demand charge to be part of the --
- 5 a revenue associated with energy. They recognize
- 6 that's a capacity cost, and -- and -- and they don't
- 7 roll that in to the -- to the -- into their price
- 8 calculation.
- 9 But for all the reporting that Manitoba
- 10 Hydro has done in -- in this proceeding and in -- in --
- 11 in all places, Manitoba Hydro rolls the demand charge
- 12 into -- for the long-term contracts.
- THE CHAIRPERSON: So when we're looking
- 14 at page 91, when we're seeing contract revenues --
- 15 seeing contract prices of, for example, the '11/'12 of
- 16 four (4) cents, that encompasses the -- the demand
- 17 charges that are available under the contract?
- 18 MR. DAVID CORMIE: These -- these --
- 19 these are numbers that Mr. Peters has put together.
- THE CHAIRPERSON: Oh, I see, okay.
- 21 MR. DAVID CORMIE: These aren't
- 22 Manitoba Hydro's numbers. So that's why I was saying,
- 23 "Subject to check." I don't -- I'm not sure where Mr.
- 24 Peters would get his numbers if they didn't include the
- 25 demand charge. If they came from Manitoba Hydro data,

PUB - MANITOBA HYDRO GRA 12-17-2012 1268 they would include the demand charges where -- where applicable. 3 MR. RAYMOND LAFOND: The water rental rates, they're based on volume of -- of flows, whether you use it or whether or not you spill or use it? MR. DAVID CORMIE: 6 The water rental rate is based on an arcane formula based on horsepower years. But you can work that through to come up with a cost per megawatt hour of electricity produced at the generating station. So it's not a -- it's not a charge 10 applied to the water; it's a charge that's applied to 11 the -- how much electricity each generating station 13 produces, subject to annual minimum amounts. 14 MR. RAYMOND LAFOND: How much is this 15 per megawatt hour or kilowatt hour? 16 MR. DAVID CORMIE: The current water 17 rental rate, I think, is three dollars and forty-three 18 cents (\$3.43) a -- a megawatt hour, approximately. 19 20 CONTINUED BY MR. BOB PETERS: 21 MR. BOB PETERS: One-third (1/3) of one 22 (1) penny per kilowatt hour? 23 MR. DAVID CORMIE: 24

(BRIEF PAUSE)

- 1 MR. BOB PETERS: Mr. Cormie --
- MR. DAVID CORMIE: Mr. Peters, I just
- 3 wanted to correct, it's three dollars and thirty-four
- 4 cents (\$3.34) rather than three dollars and forty-three
- 5 cents (\$3.43), so just for the record.
- 6 MR. BOB PETERS: So I was very close.
- 7 A third of a penny per kilowatt hour.
- 8 Mr. Cormie, the one (1) caveat that you
- 9 -- you gave me about -- on the table on page 91 was the
- 10 dependable purchases. I think we established last week
- 11 that those are heavily weighted towards the wind
- 12 purchases Manitoba Hydro makes?
- MR. DAVID CORMIE: Yes.
- 14 MR. BOB PETERS: And they -- it does
- 15 not include any purchased energy out of the Wuskwatim
- 16 Limited -- Wuskwatim Power Limited partnership?
- MR. DAVID CORMIE: No.
- 18 MR. BOB PETERS: And Manitoba Hydro has
- 19 purchase contracts with the wind farms as to the -- to
- 20 the pricing of the energy it purchases?
- MR. DAVID CORMIE: That's correct.
- MR. BOB PETERS: Mr. Cormie, if we
- 23 could turn to the forecasting of export prices. On
- 24 page 103 of the book of documents, the last page at Tab
- 25  $\,$  10, Manitoba Hydro has indicated to the Board that --

1270 and I think Mr. Warden might have said it this Hearing -- that Manitoba Hydro does not forecast export prices. 3 Is that correct? 5 MR. DAVID CORMIE: That -- that -- that was what I had said, Mr. Peters, not Mr. Warden. 7 MR. BOB PETERS: I apologize. MR. DAVID CORMIE: Manitoba Hydro uses expert consultants to provide us with our long-range electricity price forecast. And we hire several of 10 these consulting companies, usually annually, and --11 and they provide Manitoba Hydro with -- with their advice. And Manitoba Hydro takes those forecasts and -- and determine -- averages them and determines a -- a 15 forecast price that it uses in its -- in its work. 16 In the -- in the short run, in the -- in 17 the first year Manitoba Hydro does put its -- some of 18 its own analysis into that price forecast for the 19 purposes of -- of preparing the IFF. 20 MR. BOB PETERS: How many -- how many 21 forecasts does Manitoba Hydro subscribe to on an annual 22 basis, Mr. Cormie or Mr. Miles? 23 MR. TERRY MILES: That can vary year to 24 year. 25 Why does it vary? MR. BOB PETERS:

- 1 MR. TERRY MILES: The number of
- 2 forecasters that -- that we use can depend on just past
- 3 performance. Or if we are interested in getting
- 4 additional perspectives than they've had in the past,
- 5 they might vary. I think we've indicated in the order
- 6 of five (5) or so is -- is typical.
- 7 MR. BOB PETERS: Five (5) out of how
- 8 many possible?
- 9 MR. TERRY MILES: I don't know how many
- 10 are possible. I'm assuming that there's many companies
- 11 that produce forecasts for electricity prices.
- MR. BOB PETERS: And so Manitoba Hydro
- 13 tracks the performance of these companies now to
- 14 determine whether or not they should be invited back to
- 15 the table for a forecast?
- 16 MR. TERRY MILES: I don't know if
- 17 tracking performance is the appropriate way. I think
- 18 we have spent a lot of time talking to the consultants,
- 19 understanding how they prepare their projections, the
- 20 kind of information they use, their understanding of
- 21 markets or their explanation of those types of things
- 22 to us. And based on those discussions and, you know,
- 23 what's happened from -- from year to year, we will
- 24 decide to include more or less or -- or vary
- 25 consultants.

- 1 We tend to get, I'll say, comfort will
- 2 certain consultants. But there is a benefit in
- 3 maintaining some consistency from year to year with
- 4 consultants instead of varying significantly from year
- 5 to year, so you can get an idea of how the consultants
- 6 do perform or -- or what type of information they
- 7 provide us.
- t MR. BOB PETERS: And as I understood,
- 9 Mr. Cormie, a straight averaging is done based on the
- 10 number of forecasts that Manitoba Hydro purchases in a
- 11 given year?
- 12 MR. TERRY MILES: Currently, we use
- 13 equal weightings, but it can depend on, again, our
- 14 discussions with the consultants and the information
- 15 that the consultants provide to us and whether or not
- 16 we -- we feel that one consultant should be weighted
- 17 differently than another. But right now it's equal
- 18 weighting for the consultants.
- 19 MR. BOB PETERS: And that's the equal
- 20 weighting of five (5) consultants now, Mr. Miles, for
- 21 the materials that are before the Board in this GRA?
- MR. TERRY MILES: That's correct.
- 23 MR. BOB PETERS: And Manitoba Hydro
- 24 uses its judgment, as I understood, Mr. Cormie, in at
- 25 least the early years of the forecast?

- 1 MR. DAVID CORMIE: Yes, Mr. Peters,
- 2 because the price forecast comes out once a year. And
- 3 between the time that the forecast is available and the
- 4 time that the IFF may be used, there can be a lag. And
- 5 we need to accommodate the differences that occur
- 6 between what's happening in the market and what the
- 7 consultant was assuming at the time he made the
- 8 forecast and in order to bridge the -- the changes that
- 9 occur in the -- in the short term.
- 10 So if there's been a -- a -- you know,
- 11 if the -- if the consultant in November was doing his
- 12 analysis and then we're preparing the IFF in the -- in
- 13 the following spring, in the six (6) month period it
- $14\,$  may not align with the market in the -- in the first --
- 15 first year anymore. So we have to make that adjustment
- 16 to have the transition.
- MR. BOB PETERS: So Manitoba Hydro's
- 18 adjustment is only for the year 1 of the forecast, or
- 19 does it slip into year 2?
- 20 MR. DAVID CORMIE: It can slip into
- 21 year 2, yeah.
- MR. BOB PETERS: And these forecasts,
- 23 Mr. Miles, Mr. Cormie, are -- are kept confidential by
- 24 Manitoba Hydro?
- MR. TERRY MILES: They are, yes.

1274 MR. BOB PETERS: That's at the request 1 of the consultant? 3 MR. TERRY MILES: There's information that we use in the forecasts under which we have agreements with consultants that we are not to share that information. So there are levels of confidentiality associated there. 7 8 Manitoba Hydro has indicated in -- in the evidence as also -- keeps these forecasts confidential because they are commercially sensitive 10 and they do provide information related to our economic 11 position or our economic analysis internally, yes. 13 MR. BOB PETERS: Mr. Miles, does 14 Manitoba Hydro see large variations as between the 15 forecasters? 16 MR. TERRY MILES: There can be, yes. 17 MR. BOB PETERS: In those 18 circumstances, again, Manitoba Hydro simply takes the 19 average as opposed to truncating them? 20 MR. TERRY MILES: I think we -- we use 21 a number of consultants and we rely on different 22 consultants, because as we go out in the future, various consultants have their own perspectives on 24 what's happening out in the time with respect to the

economy, with respect to low growth, with respect to

1275 build out, with respect to what tech -- technologies might be developed. And we don't pass judgement on their perspectives. I think we think it's valuable to 3 get the different perspectives as we all have different perspectives going forward. So we use that range in order -- in order to do that. 7 So going forward, we -- we -- to deal with that, we use a consensus approach. So it's using the average of the consultants' forecasts, yes. 10 MR. BOB PETERS: Mr. Miles, are the 11 names of the consultants used by Manitoba Hydro to be 12 kept confidential? 13 14 (BRIEF PAUSE) 15 16 MR. DAVID CORMIE: Mr. Peters, if we -we're -- we're in the utility business. Many 17 18 utilities, like Manitoba Hydro, use these same 19 consultants. And if Manitoba Hydro were to make it public which consultants, then it would be easy for a 21 counterparty to then say, Oh, we know what Manitoba 22 Hydro is using. We -- we hire them, too. We can 23 calculate Manitoba Hydro's long-term price forecast 24 based on that information. So we do keep that list of 25 consultant names confidential.

- 1 MR. BOB PETERS: Thank you. On page
- 2 103 of the book of documents, Mr. Chairman and Board
- 3 members, is a -- is a graph. And, Mr. Chairman and
- 4 Board members, page 103 of the book of documents makes
- 5 it difficult to see the shaded area. And to that end,
- 6 I provided a copy this morning in an envelope to each
- 7 of the Board members. If they've obtained it, it
- 8 contained a shaded copy of page 103. And I thought
- 9 that it -- it might just demonstrate a little bit more
- 10 readily the point.
- 11 And, Mr. Cormie, through your counsel, I
- 12 have tried to provide one (1) of those to you this
- 13 morning. Have you -- have you got that, sir?
- 14 MR. DAVID CORMIE: Yes, I do. And I
- 15 can barely see the shade, but it's there.
- 16 MR. BOB PETERS: Even on the one I
- 17 handed you this morning?
- 18 MR. DAVID CORMIE: Yeah. It's -- my --
- 19 my special glasses on, I can see it.
- 20 MR. BOB PETERS: All right. Well,
- 21 thank you for that, sir.
- 22 What -- that shaded area that is on the
- 23 -- on the one that's filed in the original filing as
- 24 well as the one I've attempted to print in colour, it
- 25 contains Manitoba Hydro's forecast of average unit

1277 export rev -- prices. That was -- that was made public by Manitoba Hydro in approximately 2005 at the Clean Environment Commission hearing, is that right? 3 MR. DAVID CORMIE: Yes. 4 5 MR. BOB PETERS: And at that hearing, Manitoba Hydro established a high forecast, a low 7 forecast, and shaded the area in-between? 8 MR. DAVID CORMIE: 9 MR. BOB PETERS: Was the high line on the shaded area considered the best-case scenario? 10 11 12 (BRIEF PAUSE) 13 14 MR. DAVID CORMIE: The -- the range 15 that was shown was the range that the consultants 16 provided us. The best-case scenario would be even higher, Mr. Peters. But that's -- the range that we 17 18 show isn't -- is -- is the range that the consultants indicated to us. And we -- we do our analysis, checking the sensitivity on the high and the low. 21 Could -- could it be higher than that? I'm sure we could have found other consultants who would have said 22 23 it was higher than that. 24 MR. BOB PETERS: Did you find any -or, could you find any consultants that say it'd be

- 1 lower than that?
- 2 MR. DAVID CORMIE: Well, I -- I think
- 3 that's absolutely right. We believe that getting five
- 4 (5) is -- gives us enough of a range that we can
- 5 calculate sensitivities, and also to get a reasonable
- 6 middle-of-the-road forecast.
- 7 MR. BOB PETERS: The objective is to
- 8 get a middle-of-the-road forecast, Mr. Cormie?
- 9 MR. DAVID CORMIE: Well, we -- yeah, we
- 10 want to know the -- the prices that it's -- it's most
- 11 likely to be at. Knowing that no forecast is -- is
- 12 perfect, Mr. Peters, and every day the world changes;
- 13 and if we actually knew what was going to happen
- 14 tomorrow, we wouldn't be working here.
- MR. BOB PETERS: Mr. Cormie, would it
- 16 be correct to say that on the shaded area on page 103
- 17 of Board counsel's Exhibit 14, Manitoba Hydro's
- 18 expected average unit export price would have been
- 19 somewhere between the high and the low provided by the
- 20 consultants?
- MR. DAVID CORMIE: Yes.
- MR. BOB PETERS: And was that expected
- 23 value also provided by the -- by the consultants, or
- 24 was it Manitoba Hydro's judgment that provided that?
- 25 MR. DAVID CORMIE: We would have

1279 calculated the -- the forecast that actually went into the IFF. 3 MR. BOB PETERS: For the purposes of this hearing, are you able to provide the Board with a similar range based on Mr. Miles's last information from consultants? 7 (BRIEF PAUSE) 9 10 MR. DAVID CORMIE: Mr. Peters, we will be providing that at the NFAAT. 11 12 MR. BOB PETERS: Would it be correct, 13 Mr. Cormie, that the export forecast prices at the high 14 end included a carbon tax in the export market? 15 MR. TERRY MILES: I believe that would be the case, yes, that there would be some inclusion of 17 a carbon premium at that time, yes. 18 MR. BOB PETERS: And currently there is 19 no carbon tax in 2012 and '13 envisioned, is there, Mr. 20 Miles? MR. TERRY MILES: I believe that's 21 correct, yes. 22 23 MR. BOB PETERS: There's noting 24 imminent under US legislation to which Manitoba Hydro's 25 been made aware?

1280 MR. TERRY MILES: That's correct. 1 2 MR. BOB PETERS: And what is Manitoba Hydro's understanding of a carbon tax in the Province 3 of Manitoba? 5 6 (BRIEF PAUSE) MR. TERRY MILES: There is currently a 9 tax on coal in the Province of Manitoba. 10 MR. BOB PETERS: When the Board looks 11 at page 103 of the book of documents and sees the 12 forecasts of Manitoba Hydro's IFF09, IFF10-2, and 13 IFF11-2 overlaid on that forecast, would it be correct 14 that Manitoba Hydro's forecasts tend to the higher 15 range of the average forecasts provided? 16 17 (BRIEF PAUSE) 18 19 MR. TERRY MILES: I think the -- just based on the chart, that's what it would appear. I 21 think as the years go by and we go from year to year, 22 the forecasts vary based on the conditions at the -- at the time that's there. But looking at the chart and 24 based on the information from Wuskwatim, comparing it back to that, that could be drawn from this. Yeah.

- 1 MR. BOB PETERS: And -- go ahead, Mr.
- 2 Cormie.
- 3 MR. DAVID CORMIE: Mr. Peters, the --
- 4 the shaded area was the range that existed at the time
- 5 of the 2002 hearing. Since that time, Manitoba Hydro's
- 6 gone through this exercise several times, and there's
- 7 been -- each time, there's a range. And the range
- 8 moved up, and now it's -- it -- and -- and -- and it --
- 9 and prices in the last few years indicated -- would
- 10 have been around those dotted lines.
- 11 So the range went up and now it's -- and
- 12 now the -- the price forecast is coming back down. So
- 13 you -- it's not that the -- you can't think of the
- 14 range as being a stagnant number. It changes over time
- 15 as the -- ss the forecast.
- 16 So when you look at the price forecast
- 17 that we have now, you're comparing them to a range that
- 18 was established seven (7) or eight (8) years ago. But
- 19 there's a range a -- around each of tho -- those lines,
- 20 so the -- the red line has a range, the blue line and
- 21 the green line have a range. And that range is -- is
- 22 moving. So it's not a constant as you're indicating.
- 23 So it's -- it -- it's -- the -- the
- 24 forecast that we've had that you've shown here for the
- 25 last three IFFs are -- are bumping along the top of the

- 1 range that existed at Wuskwatim. But that may not be
- 2 the case associated with the range associated with the
- 3 red line, for example.
- 4 MR. BOB PETERS: Where would the -- the
- 5 dotted line be if -- if IFF12 was plotted on here, Mr.
- 6 Cormie?
- 7 MR. TERRY MILES: It would be to the
- 8 right of the -- the red line, I believe, that's there.
- 9 MR. BOB PETERS: And, on average, how
- 10 many cents lower or are you able to -- would it be
- 11 easier just to -- to sketch it on here and file it as
- 12 an undertaking.
- 13 MR. TERRY MILES: That would probably
- 14 be easier to do, yes.
- MR. BOB PETERS: All right, then. As
- 16 an undertaking, we'd ask Manitoba Hydro to update
- 17 PUB/Manitoba Hydro Second Round Question 14A to include
- 18 the IFF12 information and, subject to the Corporation's
- 19 determination, advise as to whether there will also be
- 20 a -- a new high-low range provided at this time.
- MR. TERRY MILES: Okay.

- 23 --- UNDERTAKING NO. 23: Manitoba Hydro to update
- 24 PUB/Manitoba Hydro Second
- 25 Round Question 14A to

1	1283 include the IFF12
2	information and, subject to
3	the Corporation's
4	determination, advise as to
5	whether there will also be
6	a new high-low range
7	provided at this time
8	
9	MR. RAYMOND LAFOND: For clarification
10	purposes, I think you just mentioned that did I hear
11	correctly that this range was established in 2002?
12	MR. TERRY MILES: At the time of the
13	Wuskwatim hearings, correct.
14	MR. DAVID CORMIE: But there is a
15	range, Mr. Lafond, each year associated with each
16	forecast. And in Manitoba Hydro in doing its power
17	resource planning, tests the development sequence under
18	both the low the the lowest possible prices and
19	the highest possible, as well as the average.
20	MR. RAYMOND LAFOND: But the shaded
21	area indicated there is a shaded area as established in
22	2002?
23	MR. TERRY MILES: That's correct, yes.
24	So, and in and in the IFF, when we produce numbers,
25	there is a range of price forecast, low and high. And

- 1 it's not the same -- exact same type of range as this,
- 2 but that's the variability that we see in terms of
- 3 range of numbers in our forecast.
- 4 THE CHAIRPERSON: I have to confess
- 5 this is a very discouraging graph. But trending
- 6 related to the test years, really, it's that orange
- 7 line that we have to be concerned about.
- 8 And I guess the behaviour of that line
- 9 for the test years is what? What's happening with the
- 10 annual export revenue figures is really what we need to
- 11 be concerned about here with respect to the test years
- 12 and probably the next year after that, as well.
- 13 Could somebody point me to the numbers
- 14 that would reflect what's happening with '12/'13 and
- 15 '13/'14?
- 16 MR. DAVID CORMIE: Mr. Gosselin, we
- 17 will -- we will put those numbers on this chart as
- 18 well.
- 19 THE CHAIRPERSON: I realize that, you
- 20 know, this is really clear. You're looking back in the
- 21 rearview mirror at forecasts that relate to a different
- 22 world before gas became so prevalent in the -- in the
- 23 electricity-generation picture.
- So it just, I guess, demonstrates, in my
- 25 opinion, that Mark Twain didn't quite have it right.

- 1 He should have said, Lies, damn lies, statistics and
- 2 forecasts, is probably the last one because -- well,
- 3 enough said.
- 4 MR. TERRY MILES: Yes, Mr. Chairman, I
- 5 would -- Manitoba Hydro's Exhibit number 17, which is
- 6 an update of a -- of Attachment 5, which shows the
- 7 averaging of revenues does have -- if you look at the
- 8 test years '12/'13, '13/'14, I believe, we see that the
- 9 -- for total export sales -- which is what these
- 10 numbers are based on, I believe -- show in '12/'13 a
- 11 price of thirty-one dollars and thirty-six cents
- 12 (\$31.36). In '12/'13/'14, I see thirty-two dollars and
- 13 sixty-one cents (\$32.61). So that was the updated
- 14 information that we will use to update this chart with.
- 15 THE CHAIRPERSON: Could you -- could
- 16 you repeat that again, please.
- 17 MR. TERRY MILES: Certainly. In
- 18 '12/'13, thirty-one dollars and thirty-six cents
- 19 (\$31.36); and in '12/'13/'14, it's thirty-two dollars
- 20 and sixty-one cents (\$32.61).
- 21 THE CHAIRPERSON: And do you have an
- 22 idea what the -- any -- something to forecast the next
- 23 year?
- 24 MR. TERRY MILES: '14/'15 has forty-one
- 25 dollars and thirty-six cents (\$41.36). The following

1286 year, 2015/'16, has forty-eight dollars and fourteen cents (\$48.14) -- forty-eight dollars and fourteen cents (\$48.14). 3 THE CHAIRPERSON: Now, the -- the -the -- the -- the '15/'16 and the '14/'15 numbers, are those from a forecasting service, or are those your own 7 numbers? MR. TERRY MILES: Well, that's the averaging of revenue that is calculated, and the -part of the basis for that will be the consensus 10 electricity price forecast that fits into the -- the 11 modelling, and what comes out are the revenues. 13 these are our revenue projections, and the averaging of 14 revenues are based on those projections. So the 15 Manitoba Hydro forecast does end up in there, yes. 16 CONTINUED BY MR. BOB PETERS: 17 18 MR. BOB PETERS: And, Mr. Miles, just 19 to clear -- make sure the record is clear, you were looking at Manitoba Hydro Exhibit 17 that the Corporation filed last, week which contained the 21 22 average revenue assumptions for IFF12? 23 MR. TERRY MILES: That's correct. 24 MR. BOB PETERS: And you were reading to the Board off the total export sales line for the

1287 various calendar -- or, fiscal years that you've quoted? 3 MR. TERRY MILES: That's correct. 5 (BRIEF PAUSE) 6 MR. BOB PETERS: To perhaps make Mr. 7 Rainkie's point yet again, these are output numbers, the average based on what's in the IFF. It wasn't used 10 as an input number? 11 MR. TERRY MILES: That's correct. I was just corrected by the back row, just to make that 13 point clear. But thank you, Mr. Peters. 14 MR. BOB PETERS: Yes. Ms. Flynn would 15 -- would be happy if you did. Thank you. 16 Speaking of IFFs, IFF09 was the IFF used for the basis of the last GRA. Have I got that right? 17 18 MR. VINCE WARDEN: Yes, Mr. Peters. 19 MR. BOB PETERS: And then IFF10-1 was prepared to reflect the increase in the capital costs 21 back then of Keeyask and Conawapa? 22 23 (BRIEF PAUSE) 24 25 MR. VINCE WARDEN: I don't believe the

1288 estimates for Keeyask and Conawapa changed between IFF09 and IFF10, subject to check, Mr. Peters. But I believe that to be the case. MR. BOB PETERS: Do you recall that 4 IFF10-2 was prepared to update the IFF for the increase in costs -- the capital costs of Bipole 3? MR. VINCE WARDEN: 7 Yes. MR. BOB PETERS: And then IFF11 was prepared in February of 2012 to reflect reduced 10 extraprovincial revenues due to lower export prices? 11 MR. VINCE WARDEN: That is correct. Actually, IFF11-2 that was prepared in February/April 13 time frame reflected the increase in -- in cost for 14 Bipole 3. 15 16 (BRIEF PAUSE) 17 18 MR. BOB PETERS: I'm still on ele --19 IFF11, Mr. Warden. But I was looking at, as a reference, if it -- if it needs to be checked -- I don't know if it does -- on the Manitoba Hydro 21 22 application for April 1 of 2012 interim rates, in 23 Appendix 2 in that filing, there was an indication that 24 IFF11 was prepared because of the reduced 25 extraprovincial revenues due to lower export prices.

1289 You'd accept that, subject to check, Mr. Warden? 2 3 (BRIEF PAUSE) 5 MR. VINCE WARDEN: Mr. Peters, there were -- there were a number of things happening at that particular time. IFF11 would have been our normal 7 update to IFF10, as we do every year. We update the forecast with the -- with the year embedded in the --10 the labelling. 11 So IF -- there -- there was a timing difference with respect to the presentation of IFF11 because of a number of different things that were going on at that time, including IFRS implications and, as 15 you indicated, some change in the forecast for export 16 sales. 17 So the timing was somewhat different 18 than our normal process. And -- and we don't typically take an IFF to -- to our board in -- in the spring of the year, but that was the case of IFF11-2. And that 21 was for purposes of updating the Bipole. 22 23 (BRIEF PAUSE) 24 25 THE CHAIRPERSON: Can I go back to --

1290 to the figures that we've discussed for '12/'13 and '13/'14, in terms of average annual unit export revenue? So the -- I'm looking, for example, at Exhibit 17, page 1 of 2, and the -- the average unit for '12/'13 and '14. 6 So given where we are in the current year, is that number close to -- is the actual number 7 for -- for current results close to thirty-one thirtysix (31.36)? 10 11 (BRIEF PAUSE) 12 13 MR. VINCE WARDEN: Yes, Mr. Chairman, 14 the average would be close to what is indicated there. THE CHAIRPERSON: And the thirty-two 15 sixty-one (32.61) number for '13/'14, that is not --16 that is your own internal number, generated from your 17 18 approximation of -- your -- your sense of what -- where 19 the market's going to be in the next test year? 20 MR. VINCE WARDEN: Yes. As indicated 21 by Mr. Cormie, we would use the consensus forecast for 22 the long-term prices and make some adjustments for 23 current conditions, yes. 24 THE CHAIRPERSON: Because there's -you know, obviously, a huge difference between '13/'14

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   and '14/'15. So that just reflects the weighting
   that's given to external forecasts there?
 3
                  MR. VINCE WARDEN: And the impact of
   long-term firm -- firm contracts at -- at that -- at
   that stage.
 6
                   THE CHAIRPERSON: Okay.
 7
                          (BRIEF PAUSE)
 9
10
                  MR. VINCE WARDEN: Mr. Peters, I may
11
   have to correct the record with respect to the -- what
   was reflected in each of those updates. It might be --
13
   might be well for us to just summarize that.
14
                   It was just pointed out to me that
15
   actually ten (10) outlook -- what we referred to as
16
    "Outlook 10-2," which was prepared in May of 2011, did
   include the -- was updated to reflect the revised
17
18
   capital cost estimate for Bipole 3. That went to the
19
   Manitoba Hydro Board in June of 2011.
20
21
                          (BRIEF PAUSE)
22
23
                  MR. VINCE WARDEN: I'm not sure whether
24 that helps or hinders the discussion, but...
25
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- 1 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: No, it -- it's fine,
- 3 it corrects the record. But I -- I now want to, at the
- 4 risk of complicating it worse, go back to your last
- 5 answer to the Chairman, where the Chairman was looking
- 6 at Manitoba Hydro Exhibit 17 and looked at the test
- 7 year average total export sales prices and then also
- 8 asked you about your fiscal 2014/'15 forecast, which is
- 9 showing up as four point one (4.1) cents a kilowatt
- 10 hour on average.
- Have you found that, sir?
- 12 MR. VINCE WARDEN: Yes, I have.
- 13 MR. BOB PETERS: And in terms of the
- 14 jump between the previous year and the '14/'15 fiscal
- 15 year, you had indicated that it would reflect pricing
- 16 in respect of long-term contracts as one of the factors
- 17 that may cause it to jump.
- 18 Is the NSP contract -- it's still in
- 19 effect then, and the new one comes in the following
- 20 test year, if I recall. Do I have that right?
- 21 MR. VINCE WARDEN: Yes, that is
- 22 correct.
- 23 MR. BOB PETERS: So the -- the new
- 24 pricing arrangement with NSP, whatever it is, will be
- 25 reflected in the 2015/'16 fiscal year?

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 1
                   MR. VINCE WARDEN: Yes.
 2
 3
                          (BRIEF PAUSE)
 5
                   MR. VINCE WARDEN: Yes, Mr. Peters, you
   are correct that the NSP contract, the extension, would
   affect the '15/'16 fiscal year. In '14/'15 though, we
   are driven -- the price is driven primarily by the
   consensus forecast. We -- we would not have adjusted
10
   that price in that fiscal year.
11
12
                          (BRIEF PAUSE)
13
14
                   MR. BOB PETERS: Mr. Warden, can we
15
   agree that IFF11 was the basis of the April 1, 2012,
16
   interim rate increase request to this Board?
17
                   MR. DARREN RAINKIE: Mr. Peters, yes,
18
   that's what we had at the time of filing of that -- of
19
   that application.
20
                   MR. BOB PETERS: And, Mr. Rainkie, that
21
   was prepared in February of 2012?
22
                   MR. DARREN RAINKIE: Yes, the forecast
23
  was final -- 11-1 was finalized in February of 2012.
24
                   MR. BOB PETERS: No, you're ahea -- oh,
25
   11-1, yes, IFF11 --
```

- 1 MR. DARREN RAINKIE: Yeah, I -- sorry,
- 2 I -- I'll stick with your nomenclature. IFF11 was
- 3 finished in -- finalized, I think, and went before our
- 4 Board in February of 2012.
- 5 MR. BOB PETERS: And that was the
- 6 underpinning document to the rate increase request
- 7 where Manitoba Hydro was seeking a 3 1/2 percent rate
- 8 increase across all -- all classes, Mr. Rainkie?
- 9 MR. DARREN RAINKIE: Yes, that was the
- 10 basis of that interim application, Mr. Peters.
- MR. BOB PETERS: And to which the Board
- 12 responded with a -- a 2.0 percent rate increase on an
- 13 interim basis?
- 14 MR. DARREN RAINKIE: That's my memory,
- 15 Mr. Peters.
- 16 MR. BOB PETERS: And that's your
- 17 memory, Mr. Rainkie, because it's included in one of
- 18 the list of items that Manitoba Hydro was asking this
- 19 Board to finalize in this application, correct?
- 20 MR. DARREN RAINKIE: That's correct.
- 21 MR. DAVID CORMIE: Mr. Peters, I just
- 22 wanted to point out that when you get out to 2014,
- 23 we're using now average hydraulic generation. If you
- 24 look in Exhibit 17, you'll notice that hydraulic
- 25 generation is shown for '14/'15 as 30,838 gigawatt

- 1 hours, compared to thirty-two thousand, nine hundred
- 2 and four (32,904). Do you see the supply line that
- 3 says, "Manitoba Hydro Hydraulic Generation"? It's
- 4 about the seventh line down.
- 5 So the eff -- the effect -- one of the
- 6 effects of having reduced hydraulic generation is that
- 7 the average price goes up because the increment -- what
- 8 we're seeing now is -- is -- is an averaging down of
- 9 prices because additional generation ends up being sold
- 10 in the off peak, which depresses the market.
- 11 It depresses the average price, and so
- 12 when you -- when you go forward and you're now starting
- 13 to compare -- year-to-year, you're comparing average
- 14 year to average year. And the -- the -- the first two
- 15 (2) years are -- are depressed because of the effect of
- 16 having that extra 2000 gigawatt hours going to market
- 17 at off-peak prices. And that is one of the factors
- 18 that leads to that step in the prices shown on that
- 19 table.
- 20 MR. BOB PETERS: All right. I have
- 21 some more questions that I think will -- will assist
- 22 the Board in understanding that relationship, Mr.
- 23 Cormie, but I'll summarize my understanding of your
- 24 answer to the Board is that when you get further out in
- 25 the forecast, Manitoba Hydro has made an assumption

- 1 that the hydraulic generation by the Utility will be
- 2 based on average flows at that point in time and not on
- 3 what's actually foreseen by the Utility.
- 4 MR. DAVID CORMIE: Yeah, and we had
- 5 that discussion last week about the median and the
- 6 average and the -- and the -- as a -- and then, that
- 7 show -- that's the -- that's the transition we have
- 8 here because of the changing water supply assumptions
- 9 for the first three (3), four (4) years of the
- 10 forecast.
- MR. BOB PETERS: And --
- MR. DAVID CORMIE: It affects the
- 13 average price calculation.
- 14 MR. BOB PETERS: -- right. And it's
- 15 simply a mathematical calculation that you've now
- 16 reduced the -- the volume of hydraulic generation
- 17 that's in the forecast to average, and then use that
- 18 number to get Mr. Rainkie's average at the bottom of
- 19 the page.
- 20 MR. DAVID CORMIE: Yeah, and so the
- 21 extra 2000 gigawatt hours shows up at off-peak export
- 22 rates which drives down the average unit price for
- 23 export sales in the first couple of years. Or, if you
- 24 take it out, the price goes up because of -- of you're
- 25 going to a standard calculation thereafter.

- 1 MR. BOB PETERS: And as we sit here,
- 2 you're not sure what the water flow is going to be for
- 3 that year.
- 4 MR. DAVID CORMIE: No, I -- I don't
- 5 know yet. MR. BOB PETERS: All right. IFF11 was
- 6 premised on a median flow for the fiscal year 2013.
- 7 Have I that right, Mr. Miles or Mr. Rainkie?
- MR. DARREN RAINKIE: That's correct,
- 9 Mr. Peters.
- 10 MR. BOB PETERS: At approximately a
- 11 month or so after IFF11 was prepared in February of
- 12 2012, a new IFF is published in April of '12, Mr.
- 13 Rainkie, and it's called "IFF11-2." Is that
- 14 nomenclature correct?
- MR. DARREN RAINKIE: That's correct,
- 16 Mr. Peters.
- MR. BOB PETERS: And IFF11-2 was the
- 18 basis of the June 2012 GRA filing that brings us here
- 19 today, correct?
- 20 MR. DARREN RAINKIE: That's also
- 21 correct, Mr. Peters.
- MR. BOB PETERS: And IFF11-2, Mr.
- 23 Rainkie, assumed lower water conditions than in IFF11,
- 24 or IFF11-1 as we've called it this morning.
- MR. DARREN RAINKIE: Yes, we shifted

- 1 from median flows to expected flows at that -- at that
- 2 point, Mr. Peters.
- MR. BOB PETERS: IFF11-2 has
- 4 approximately 3000 gigawatt hours lower hydraulic
- 5 generation forecast in it than IFF11, Mr. Rainkie and
- 6 Mr. Miles?
- 7 MR. TERRY MILES: That's correct.
- 8 MR. BOB PETERS: And to Mr. Cormie's
- 9 point, the 3000 gigawatt hours of annual energy, if
- 10 it's priced at three and a half (3 1/2) cents a
- 11 kilowatt hour on the export market, it would be
- 12 expected to raise another \$105 million of revenue.
- 13 MR. TERRY MILES: Given your numbers
- 14 and calculation, yes.
- MR. BOB PETERS: Well, and -- and let's
- 16 be careful. I picked the number three and a half (3
- 17 1/2) cents a kilowatt hour, but I think Mr. Cormie has
- 18 told us that on the opportunity market, that 3000
- 19 gigawatt hours would be closer to three (3) cents than
- 20 three and a half (3 1/2) cents, in terms of pricing.
- 21 MR. TERRY MILES: That's correct.
- MR. BOB PETERS: And if that's the case
- 23 then there'd be nine (9) -- \$90 million of less revenue
- 24 in IFF11-2 because of the hydraulic generation numbers?

1299 (BRIEF PAUSE) 1 2 3 MR. TERRY MILES: I'd suggest based on the math, yes. MR. BOB PETERS: Well, then let's look 5 at the actual water flows for 2012/'13, Mr. Miles. I think at the book of documents, page 108, might be a way to start. 9 10 (BRIEF PAUSE) 11 12 MR. BOB PETERS: On page 108, Mr. 13 Miles, we have the Corporation's second quarter report 14 for the six (6) months that ended on September 30th of 15 2012, sir, or next track from that report? 16 MR. TERRY MILES: I'll take your word 17 for that. 18 MR. DARREN RAINKIE: Mr. Peters, I -this -- this looks familiar. It's -- this is what 19 would be on our website. 21 MR. BOB PETERS: It's got your 22 fingerprints on it, Mr. Rainkie? 23 MR. DARREN RAINKIE: Somewhere in 24 there, yes, Mr. Peters. 25 MR. BOB PETERS: All right. And, Mr.

PUB - MANITOBA HYDRO GRA 12-17-2012 1300 Miles, I'm with you, we'll take it at that, and appreciate from Mr. Rainkie his answer. 3 If we look to the bottom of the page the total system supply statistics show that there's 16,846 gigawatt hours have been generated by Manitoba Hydro after six (6) months? 7 MR. DAVID CORMIE: That's correct. MR. BOB PETERS: And this morning, Mr. Cormie, you brought to the Board's attention Manitoba Hydro Exhibit 17, and you and the Chairman were 10 discussing that document specifically. But if we look 11 12 to that document would it be correct to conclude on the 13 same line item you brought the Board's attention to that for 2012/'13 Manitoba Hydro is expecting 32,904 14 15 gigawatt hours of hydraulic generation? 16 MR. DAVID CORMIE: That's correct. 17 18 (BRIEF PAUSE) 19 20 MR. BOB PETERS: So the additional 21 revenues that would come from that approximate 3,000 22 gigawatt hours of energy will come as a result of 23 better water flows than had been included in IFF11?

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MR. DAVID CORMIE: That's correct, yes.

24

25

Yes, 11-2.

1301 (BRIEF PAUSE) 1 2 3 MR. BOB PETERS: So, Mr. Rainkie and Mr. Warden, if Manitoba Hydro had known its water flows when it prepared IFF11 which underpinned the interim order from this Board, that IFF would have had at least \$90 million of additional revenues as a result of 7 additional hydraulic flows, would it not? 9 10 (BRIEF PAUSE) 11 12 MR. DAVID CORMIE: Mr. Peters, you're -- you're referring back to the ninety (90) -- to your 13 calculation of \$90 million. Manitoba Hydro did adjust 14 15 revenues and costs by having two (2) management 16 adjustments in IFF11-2. 17 It wasn't \$90 million. It was \$60 18 million that we adjusted it. And it wasn't done by 19 going back and re -- and -- and re-estimating hydraulic generation. It was done as -- as two (2) line items. 21 And so we did recognize that the -- that conditions 22 were quickly changing and we adjusted IFF2 (sic) on 23 that basis. But it wasn't 90 million. 24 25 (BRIEF PAUSE)

1302 1 MR. BOB PETERS: A couple of thoughts, Mr. Cormie and Mr. Rainkie and Mr. Warden. The management adjustment of 60 million, was that just on 3 two (2) line items on IFF11-2? 5 MR. DAVID CORMIE: Yes, that's right. 6 MR. BOB PETERS: And which two (2) line items? 7 MR. DAVID CORMIE: It would have been 8 9 export revenue and power purchase costs. 10 MR. BOB PETERS: Export revenue went up 11 30 million and power purchase went down 30 million? 12 13 (BRIEF PAUSE) 14 15 MR. VINCE WARDEN: Export revenues would have gone up 20 million, power purchases would have gone down 10 million in two (2) successive years. 17 18 19 (BRIEF PAUSE) 20 21 MR. DAVID CORMIE: Mr. Peters, we want to correct that. It wasn't sixty (60). It was a \$50 22 23 million adjustment. It was an addition of 10 million 24 to revenues in the first year and 20 million in the second year, 2013/'14. And costs were reduced by 10

- 1 million in both years. Then some of that is a net
- 2 increase of \$50 million in our bottom line.
- 3 MR. BOB PETERS: And the adjustments
- 4 you've told us, Mr. Cormie, were for the two (2) test
- 5 years that are before the Board in this hearing?
- 6 MR. DAVID CORMIE: That was for eleven
- 7 (11) -- for '12/'13 and '13/'14.
- 8 MR. BOB PETERS: Yes, the two (2) test
- 9 years. Now, you'd agree with me, Mr. Cormie, that those
- 10 adjustments don't add up to the three thousand (3,000)
- 11 extra gigawatt hours of energy that you had available,
- 12 though, do they?
- MR. DAVID CORMIE: The 3,000 gigawatt
- 14 hours is only apparent once we got in to preparing
- 15 IFF12, Mr. Peters, so it was well into the -- into the
- 16 year when we -- when it -- it's now much clearer that
- 17 we'll be at thirty-two nine (32.9). And remember, the
- 18 thirty-two nine (32.9) is still an estimate for the
- 19 year. It's not a done deal. That number can still
- 20 vary plus or minus 5 percent. So we won't know that
- 21 number until we actually get to the end of March.
- MR. BOB PETERS: Mr. Cormie, I
- 23 appreciate that response, but the time lapse between
- 24 IFF11 and IFF11-2 was -- one (1) was done in February,
- 25 one (1) was done in April of 2012, if I recall the

1304 dates. 2 MR. DAVID CORMIE: Yes. 3 MR. BOB PETERS: So there might have been a month or six (6) weeks between the two (2) IFFs? 5 MR. DAVID CORMIE: Correct. 6 MR. BOB PETERS: And the Corporation determined in that interval that there could be as much as three thousand (3,000) additional gigawatt hours of 9 energy? 10 11 (BRIEF PAUSE) 12 13 MR. DAVID CORMIE: Exhibit 17 refers to 14 IFF12, Mr. Peters, which was prepared in the -- which 15 was prepared in the -- in -- in the late summer of 2012. So --16 17 MR. BOB PETERS: My apologies, sir. 18 Yes, I was -- I was... Just to be clear for the Board, I was back on Tab 8 in the book of documents at page 72. The average statistics for the IFF11-2 are 21 provided. And in... 22 23 (BRIEF PAUSE) 24 25 MR. BOB PETERS: And this information,

1305 Mr. Cormie, was that for the first test year of your -your fiscal 2013 there'd be 29,300 gigawatt hours of hydraulic energy, correct? 3 MR. DAVID CORMIE: That's correct. 4 5 MR. BOB PETERS: And then your point is that when it came time to IFF12 those statistics changed, and that's where an approximate additional 7 3,000 gigawatt hours of hydraulic generation became -became evident? 10 MR. DAVID CORMIE: That's correct. And 11 we only updated the generation forecast for the -- for the IFF12 forecast. We -- in 11-2 we just added the 12 incremental revenue and incremental cost reductions 13 14 that -- it -- it seems like we were moving in the 15 direction of having higher, and we wanted to reflect that in the IFF 16 17 MR. BOB PETERS: And that's -- yes, and 18 that's the management adjustments in IFF11-2 were --19 were to reflect that. 20 MR. DAVID CORMIE: That's correct. Would you agree that 21 MR. BOB PETERS: 22 the management adjustments only partially reflected the 23 increased water that is now forecast to be available to

Yes. And I --

MR. DAVID CORMIE:

the Corporation in the first test year?

24

- 1 during my direct evidence I went over that chart that
- 2 showed inflows to the hydro system for the year and
- 3 last year. And you saw that there were three (3)
- 4 significant rainfall events during the summer and we --
- 5 we only see those coming in advance by maybe a week at
- 6 the most.
- And so, you know, we weren't aware when
- 8 we made the initial management adjustment that there
- 9 was more -- that we ultimately could become -- move --
- 10 moving into a higher flow year. The initial estimates
- 11 we were -- we were going to be dry. Then we thought,
- 12 well, we're probably just going to be near average.
- 13 And ultimately we became above average. And IFF12
- 14 shows that ultimately we're going to have about 3,000
- 15 gigawatt hours above what we would normally expect.
- MR. BOB PETERS: And that 3,000
- 17 gigawatt hours, Mr. Cormie, could translate into, you'd
- 18 expect, \$90 million?
- 19
- 20 (BRIEF PAUSE)
- 21
- MR. DAVID CORMIE: Yeah, we have other
- 23 -- we have other issues now with our hydraulic
- 24 generation at Jenpeg biting into that amount, Mr.
- 25 Peters, so we may not actually get to the thirty-two

1307 nine (32.9). Is that the number? We -- we -- you know, we assumed in the 2 fall that our generating fleet would remain intact, and 3 we've now had a subsequent event. 5 6 (BRIEF PAUSE) MR. DAVID CORMIE: As of -- I believe as of December the 1st we were on target with the IFF and -- but the IFF assumed the Jenpeg would operate 10 through the winter. We don't have Jenpeg available as 11 planned and so unless we have some other favourable 13 change on the water supply I would expect that we will be below thirty-two nine hundred (32,900) as our 14 15 hydraulic generation. 16 MR. BOB PETERS: Can you quantify for 17 the Board, Mr. Cormie, the Jenpeg outage impact? 18 MR. DAVID CORMIE: We will -- we will 19 calculate that for you, Mr. Peters. 20 MR. BOB PETERS: So as an undertaking, 21 Manitoba Hydro will quantify the impact of the expected Jenpeg outage on the hydraulic flows for the current 22 23 test year? 24 MR. DAVID CORMIE: That's correct. 25

	1308
1	UNDERTAKING NO. 24: Manitoba Hydro to quantify
2	the impact of the expected
3	Jenpeg outage on the
4	hydraulic flows for the
5	current test year;
6	additionally, Manitoba
7	Hydro to advise the Board
8	as to whether the hydraulic
9	output forecast for the
10	current test year and the
11	next test year are going to
12	be impacted; as well,
13	Manitoba Hydro to include
14	the exports that it has
15	achieved up to December 1,
16	2012
17	
18	CONTINUED BY MR. BOB PETERS:
19	MR. BOB PETERS: And can you remind the
20	Board as to what the annual output is from Jenpeg?
21	MR. DAVID CORMIE: I think I indicated
22	it was 900,000 megawatt hours, sir. Just just under
23	just under a billion kilowatt hours.
24	
25	(BRIEF PAUSE)
1	

- 1 THE CHAIRPERSON: The answer to the
- 2 question related to Jenpeg again, now will -- will the
- 3 impact of Jenpeg be reflected in the net income figure,
- 4 the figures that we using for the test years,
- 5 particularly this year and next?
- 6 MR. DAVID CORMIE: We had assumed that
- 7 Jenpeg would operate normally in the IFF, and so
- 8 neither the hydraulic generation statistics or the IFF
- 9 results reflect the cost of the fire.
- 10 THE CHAIRPERSON: So, in other words,
- 11 we are looking at lower net income figures for the two
- 12 (2) test years than what we have seen to date.
- MR. DAVID CORMIE: Well, Jenpeg is --
- 14 is going to be one of the factors that would put
- 15 downward pressure on the results. But in -- as I
- 16 indicated to Mr. Peters, the water supply is still
- 17 uncertain.
- 18 A warm winter could result in more
- 19 favourable flow conditions, and that could be offset by
- 20 increases of -- of generation at other stations. So,
- 21 you know, we're -- it's -- it's very difficult to
- 22 precisely calculate what the end result will be.
- 23 Thirty-two nine (32.9), it will be around that, but I -
- 24 I -- I can't guarantee that -- that the only change
- 25 will be the Jenpeg fire.

- 2 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: I take, Mr. Cormie,
- 4 included in your undertaking that we've already put on
- 5 the record, you will -- you will advise the Board as to
- 6 whether the hydraulic output forecast for the current
- 7 test year and, I guess, the next test year are -- are
- 8 going to be impacted.
- 9 MR. DAVID CORMIE: We'll -- we'll do
- 10 both. We'll -- we'll calculate the net effect on the
- 11 IFF12 as a result of the fire. We may not be able to
- 12 estimate the cost of the damages, but from a -- from a
- 13 generation and an import/export market activity
- 14 perspective, we can calculate that.
- MR. BOB PETERS: What you meant in that
- 16 answer, Mr. Cormie, is you may not, at this time, know
- 17 the capital cost to repair the physical damage, but you
- 18 can do the revenue and hydraulic flow calculations
- 19 based on what the Corporation is now projecting for
- 20 Jenpeg?
- 21 MR. DAVID CORMIE: That's correct.
- MR. RAYMOND LAFOND: Excuse me. When
- 23 we refer to capital cost, these will not be
- 24 capitalized; these would be directly to the expense
- 25 category?

1311
MR. VINCE WARDEN: Yes, I expect that

- 2 will be the case, Mr. Lafond.
- 3 MR. RAYMOND LAFOND: Though you tell us
- 4 at this time you cannot estimate it, are we talking of
- 5 range of 1 to 10 million or 10 to 50 million?
- 6 MR. VINCE WARDEN: The initial estimate
- 7 was 10 million, of which 5 million would be recoverable
- 8 through insurance.
- 9 MR. RAYMOND LAFOND: Thank you.

10

- 11 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: Mr. Cormie, I hope I'm
- 13 not pushing too hard on this or too far, but would that
- 14 undertaking also be able -- would you also be able to
- 15 include the exports that Manitoba Hydro has achieved to
- 16 date, in terms of hydraulic generation? Make it to
- 17 December 1st.
- 18 MR. DAVID CORMIE: We will re -- we
- 19 will reflect the actuals up to the 1st of December, Mr.
- 20 Peters.
- 21 MR. BOB PETERS: Thank you for that.
- 22 And Mr. Warden, maybe last question to you in this
- 23 area.
- 24 Had IFF11 -- had IFF11 that underpinned
- 25 the April 1st, 2012, interim rate request by Manitoba

1312 Hydro shown an additional \$90 million of net income, would Hydro have asked for an April 1st, 2012, interim rate increase? 3 5 (BRIEF PAUSE) 6 MR. VINCE WARDEN: The answer would be 7 yes, Mr. Peters. We would have still applied, based on our forecast at that time. 10 MR. BOB PETERS: Even with \$90 million 11 of additional net -- net income? MR. VINCE WARDEN: Well, I -- I don't -12 13 14 MR. BOB PETERS: And that's my number, 15 I appreciate. 16 MR. VINCE WARDEN: -- yes, I don't 17 think the incremental revenue or -- or bottom-line net 18 income would have been \$90 million. As Mr. Cormie had explained, we were -- there was already some provision for current water conditions in that -- in that 21 forecast. 22 MR. BOB PETERS: But not in IFF11; 23 there was no provision for -- that -- that provision 24 came in IFF11-2? 25 MR. VINCE WARDEN: There -- there was a

1313 similar provision in IFF11, Mr. Peters. 2 MR. BOB PETERS: Can you specifically advise the Board as to what provisions were in IFF11? 3 4 5 (BRIEF PAUSE) 6 7 MR. VINCE WARDEN: We can do that. Perhaps I'll do that by way of an undertaking. They're -- I just want to make sure we have our years aligned appropriately to -- to answer that question accurately. 10 11 MR. BOB PETERS: All right. That will be appreciated, Mr. Warden, if you could undertake to 13 advise the Board of what management provisions had been 14 included in IFF11. 15 MR. VINCE WARDEN: Yes, we'll do that. 16 MR. BOB PETERS: Thank you, sir. 17 18 --- UNDERTAKING NO. 25: Manitoba Hydro to advise the Board of what 19 20 management provisions had been included in IFF11 21 22 23 CONTINUED BY MR. BOB PETERS: 24 MR. BOB PETERS: Mr. Cormie, Manitoba Hydro's been exporting into the MISO market since April

1314 1st of 2005? 2 MR. DAVID CORMIE: Correct. 3 MR. BOB PETERS: And before that, did Manitoba Hydro export into the predecessor of the -the MISO market? 6 MR. DAVID CORMIE: In 2005 MISO 7 established a centrally operated market. Prior to that I believe it was -- MISO established itself as the independent transmission system operator in 2002. And 10 -- but in 2005 they began the central dispatch of all the generators. So prior to 2005 it was a bilateral 11 market, and participants could take transmission service under the tariff. 13 14 MR. BOB PETERS: And what you're 15 telling the Board is that prior to the onset of the 16 MISO market central trading opportunities, any sales 17 Manitoba Hydro made had to be bilateral arrangements? 18 MR. DAVID CORMIE: In the US, yes. 19 (BRIEF PAUSE) 20 21 22 MR. BOB PETERS: Mr. Cormie, on page 111 of PUB Exhibit 14 is a -- is a map. I'm not sure 24 how visible yours is, sir, but it attempts to depict for the Board the MISO market. And it would be -- the 25

- 1 MISO market would be defined by the areas that are
- 2 shaded in green, sir.
- 3 Would you agree with that?
- 4 MR. DAVID CORMIE: I'm assuming what --
- 5 that's what the diagram indicates. I don't see a date
- 6 on the chart, so I'm trusting this is accurate, yes.
- 7 MR. BOB PETERS: And on that point, the
- 8 Province of Manitoba is not shown in green?
- 9 MR. DAVID CORMIE: That's correct.
- 10 MR. BOB PETERS: And is that because
- 11 Manitoba is not a -- a full member of MISO?
- MR. DAVID CORMIE: Yes, our
- 13 relationship with MISO is defined under a coordination
- 14 agreement, and the coordination has to do with
- 15 transmission tariffs. And all the entities who are --
- 16 are in -- in the area shown in green have a -- have a -
- 17 have -- are relying on MISO to serve their load and
- 18 are relying on MISO to dispatch the generation, telling
- 19 which generators should be operated in the manner that
- 20 the cost of serving all the load in the MISO footprint
- 21 is met at least cost.
- 22 Manitoba Hydro chooses to dispatch and -
- 23 its own generation and take responsibility for
- 24 serving its customers in the most effective and
- 25 efficient way possible. We don't transfer that

- 1 responsibility to MISO. However, we do coordinate
- 2 tariffs, and Manitoba Hydro is a market participant in
- 3 MISO so -- which means that we can buy and sell in a --
- 4 in the market as a -- as a market participant.
- 5 MR. BOB PETERS: Thank you, Mr. Cormie,
- 6 for that explanation. Does that suggest that if
- 7 Manitoba Hydro deemed it advisable, Manitoba Hydro
- 8 could ask the MISO market to also dispatch Manitoba
- 9 Hydro's generation and serve Manitoba Hydro's load in
- 10 the way that MISO determined was at least cost.
- 11 MR. DAVID CORMIE: There are
- 12 sovereignty issues, Mr. Peters, that prevent Manitoba
- 13 Hydro from turning the control of its generation --
- 14 these responsibilities are outlined in our legislation.
- 15 And for those sovereignty reasons, we are not allowed
- 16 to do that, what you've suggested.
- MR. BOB PETERS: And so your
- 18 relationship with MISO is that of an associate member.
- 19 Would that be the right description?
- 20 MR. DAVID CORMIE: Our relationship is
- 21 defined under contract.
- MR. BOB PETERS: And that's the
- 23 coordination agreement?
- MR. DAVID CORMIE: Yes.
- MR. BOB PETERS: And that coordination

1317 agreement, sir, extends till -- till when? 2 MR. DAVID CORMIE: There's no end date to that, Mr. Peters. 3 4 5 (BRIEF PAUSE) 6 7 THE CHAIRPERSON: I have just a question in relation to Hydro-Quebec. Is their relationship -- is the nature of the relationship that 10 they have with their buyers in US similar to Manitoba 11 Hydro's? 12 MR. DAVID CORMIE: I believe that 13 Quebec is -- is -- is an independent -- like Manitoba 14 Hydro, is independent from the market. However, they 15 do have a US power marketing subsidiary that operates in -- in the Northeast. Manitoba Hydro doesn't have a 17 subsidiary that transact on its behalf. Our 18 transactions take place at the border, whereas Quebec 19 Hydro sells to their subsidiary and then the subsidiary acts within the -- within the United States. 21 22 CONTINUED BY MR. BOB PETERS: 23 MR. BOB PETERS: Mr. Cormie, from the 24 information found on page 112 of PUB Exhibit 14, would 25 it be correct for the Board to conclude that the MISO

```
1318
   market has grown by approximately 35 terawatt hours
   between 1988 and 2011?
 3
                          (BRIEF PAUSE)
 5
 6
                   MR. DAVID CORMIE: At which page are
 7
   you referring to, Mr. Peters?
 8
                   MR. BOB PETERS: I'm on page 112, which
   is PUB/Manitoba Hydro's Second Round Question 12A. And
10
   I -- I just summed up the growth by the various line
   items that are by year.
11
12
                   MR. DAVID CORMIE: You've summed the
13
   sources of electricity and -- and you're comparing the
14
   total -- the change in the total over time?
15
                   MR. BOB PETERS: Yes, sir.
16
17
                          (BRIEF PAUSE)
18
19
                   MR. DAVID CORMIE: Mr. Peters, you may
   have calculated correctly, but I -- I can't say that
   that reflects growth. Utilities -- the footprint size
21
   is changing because of different companies becoming
22
   members of MISO and then withdrawing. If you look back
24
   at your chart, the green chart on the previous page,
   you see there's quite a few holes in the chart, and
```

- 1 border entities are -- are coming and going.
- 2 And the footprint is -- is constantly
- 3 being adjusted, so it's hard for me to say yes to your
- 4 answer. I think it's -- all I can say is it's changing
- 5 over time, and the tendency is it -- for it to grow.
- 6 And I think that chart on the previous page where the
- 7 blue area shows the next big change that we can expect
- 8 is the Entergy states join the MISO footprint.
- 9 MR. BOB PETERS: Okay. I'll -- I'll
- 10 try to remember to come back to that Entergy issue.
- 11 But when we look at page 112, Mr. Cormie, would the
- 12 Board be correct in -- when it looks at the -- let's
- 13 pick natural gas, for example, increasing from 22
- 14 terawatt hours in 2008 up to 32 terawatt hours in 2011
- 15 that there be a grown or -- I'm not sure you agreed
- 16 with the word "growth", but there would be a increase
- 17 in about 10 terawatt hours of natural gas generation?
- 18 MR. DAVID CORMIE: Yes, I agree with
- 19 that.
- 20 MR. BOB PETERS: And that's -- and that
- 21 -- and that -- you've seen that in other -- in other
- 22 reports, or in other understandings? That's not just a
- 23 matter of the Company's retooling. It's...
- 24 MR. DAVID CORMIE: No, I think that's a
- 25 general trend. As the price of natural gas has -- has

- 1 come down gas is more -- a more economical supply
- 2 source more often. And you can see the increase in
- 3 this table of statistics. And that -- that's mainly a
- 4 price -- a price effect.
- 5 MR. BOB PETERS: And the Board will
- 6 also see that when they look at the wind column where
- 7 it's gone from about 4 terawatt in 2008 up to 29
- 8 terawatts in 2011?
- 9 MR. DAVID CORMIE: Yes, that's a much
- 10 greater change in a percentage basis than we saw in
- 11 gas.
- 12 MR. BOB PETERS: And that's just an
- 13 indication of the renewable resources to which many of
- 14 the members of MISO are -- are adding to their
- 15 generation capabilities?
- 16 MR. DAVID CORMIE: Yes, in response to
- 17 the renewable portfolio standards that have been
- 18 established and the subsidies that are available for
- 19 wind generation in the US there has been a tremendous
- 20 growth in wind.
- 21 MR. BOB PETERS: In terms of export --
- 22 I'm sorry, in terms of imports into the MISO region,
- 23 Mr. Cormie, from 2008 up to 2011 it appears that there
- 24 has been -- imports have increased by about 13 terawatt
- 25 hours, or -- or perhaps 50 percent?

1321 1 MR. DAVID CORMIE: I see that, yes, Mr. Peters. 3 MR. BOB PETERS: That's consistent with -- is that consistent with your understanding of the imports into the MISO market, Mr. Cormie? 6 MR. DAVID CORMIE: I -- I can't speak to the -- the reason why that's happened, Mr. Peters, except that there are more companies than Manitoba Hydro who are selling into the market. Companies like 10 the -- the hydro utilities in -- like in Ontario, and other companies would be exporting into -- into MISO. 11 12 If my memory serves me correctly there 13 has been quite a bit of additional activity lately from 14 PJM selling into MISO. As the cost of gas has come 15 down that market has become long and MISO is an attractive destination for surpluses from that market. 17 So I take -- I explain that as just other economic 18 power supplies being available to MISO relative to their own fleet. 19 20 MR. BOB PETERS: And the PJM, that's --21 that's a supplier that's east of MISO? 22 MR. DAVID CORMIE: Yes. 23 MR. BOB PETERS: And it's selling at --24 it's selling into the MISO market? 25 MR. DAVID CORMIE: Yeah, it's a cent --

- 1 centrally dispatched market in the States east of --
- 2 east of the MISO market.
- MR. BOB PETERS: When we look on page
- 4 112, Mr. Cormie, from Manitoba Hydro's involvement with
- 5 MISO, Manitoba Hydro's physical exports have -- have
- 6 remained essentially -- essentially flat over the three
- 7 (3) or four (4) years?
- 8 MR. DAVID CORMIE: Yes, and that just
- 9 reflects the continued favourable hydraulic generation
- 10 conditions we've experienced.
- MR. BOB PETERS: And it may also
- 12 reflect Manitoba Hydro being transmission constrained
- 13 in the years where there's even further available
- 14 water?
- 15 MR. DAVID CORMIE: Definitely, I -- I
- 16 remember back to the summer of 2011 in August. And we
- 17 had con -- quite a bit of congestion on our interface
- 18 that resulted in spillage on our system because we
- 19 could not get all the energy that we had to market.
- 20 MR. BOB PETERS: Is that a relatively
- 21 rare occurrence, sir?
- MR. DAVID CORMIE: Well, we've had nine
- 23 (9) years in a row, Mr. Peters, where we've had high
- 24 water. And so in those high-water years, the off-peak
- 25 market is the place where Manitoba Hydro has to sell

- 1 that energy.
- 2 And -- and we -- we will load the
- 3 tie-lines up to their maximum before we will spill.
- 4 And if we cannot use firm transmission service and
- 5 we're using non-firm transmission service, that puts
- 6 Manitoba Hydro at risk. And -- and we spill because we
- 7 are using non-firm, and non-firm gets curtailed when it
- 8 causes congestion in the United States.
- 9 And for that reason, we've been
- 10 acquiring as much firm transmission in the United
- 11 States as possible so that we don't -- when we do have
- 12 high-water years like this, that we can load the
- 13 transmission line up to its -- its transfer capability
- 14 without having to worry about creating congestion in
- 15 the United States.
- 16 Transmission capacity for the existing
- 17 system is -- under high-water conditions is insuff --
- 18 insufficient. We would like to have more and --
- 19 because it's very expensive if we have to open the
- 20 spillways and lose tens of millions of dollars of
- 21 electricity that could otherwise have been sold.
- MR. BOB PETERS: Can you briefly
- 23 explain, then, your transmission rights on peak to the
- 24 Board, as to how can you -- how do you quantify that?
- MR. DAVID CORMIE: Well, the rights on

1324 peak are the same as the rights off peak, except that during the on-peak hours those rights are being used to deliver power that's been sold under contract. 3 For example, if the contract is for the 4 five (5) by sixteen (16) hours, sixteen (16) hours a day we're delivering energy to our customer as contracted. Then at nighttime, for the -- for the 7 balance of the eight (8) hours, we're not necessarily entitled to use that same transmission service, which is firm, to sell Manitoba Hydro's surplus energy. 10 11 And if the contract -- if the -- if the 12 counterparty on the US side doesn't allow Manitoba 13 Hydro to use its tran -- a firm transmission service, 14 Manitoba Hydro then has to use non-firm transmission 15 service. And that's when we're exposed to the risk of curtailments. 16 17 MR. BOB PETERS: How many megawatts of 18 transmission are you talking, Mr. Cormie? 19 (BRIEF PAUSE) 20 21 22 MR. DAVID CORMIE: I believe that, in 23 ballpark numbers, there's about 1,300 megawatts of 24 network service that is subject to non-use if the -- if 25 the US counterparty deems that we cannot use it because

- 1 it would be an abuse of network service. That -- that
- 2 puts 1,300 megawatts of our exports in the off peak at
- 3 risk.
- 4 MR. BOB PETERS: Out of a total of how
- 5 many?
- 6 MR. DAVID CORMIE: 1,900 megawatts. We
- 7 own -- we control about six (6) -- just over 600
- 8 hundred megawatts of -- of -- of transmission rights on
- 9 US, so --
- MR. BOB PETERS: I'm not --
- MR. DAVID CORMIE: -- those 600
- 12 megawatts are available to us to use on peak and off
- 13 peak.
- 14 MR. BOB PETERS: I'm not sure the
- 15 record's clear, Mr. Cormie, as to -- if we're talking
- 16 1,900 megawatts of -- of transmission, why a US
- 17 counterparty would suggest Manitoba Hydro cannot use
- 18 it.
- 19 MR. DAVID CORMIE: The transmission
- 20 service is paid for by the -- it's rate based. It's
- 21 paid for by the customers. It's -- it's -- intended to
- 22 provide service to the load.
- 23 Manitoba Hydro would like to be able to
- 24 use that same transmission service for merchant trans -
- 25 or, for -- for -- for trading activities, to sell

- 1 spot mark -- into the spot market. And so the benefits
- 2 from that transaction doesn't necessarily go to load.
- 3 And so those benefits would go to the sha -- maybe --
- 4 maybe they would go to the shareholder of the Utility
- 5 rather than going to the load.
- 6 So the transmission is being paid for by
- 7 the customers, but the Utility is -- is purchasing
- 8 energy from Manitoba Hydro at night. And it -- and
- 9 it's prohibited from using network service, which is
- 10 intended for load, for its -- for its trading
- 11 activities. And so com -- some companies deem that as
- 12 inappropriate use of network transmission service.
- 13 Really, it's point-to-point service, and it should be
- 14 paid for. And -- and the FERC is very conscious of
- 15 transmission abuse. And so Manitoba Hydro is not
- 16 entitled to use that unless it's -- it's justified and
- 17 appropriate.
- 18 So the customers -- the US costumers
- 19 allow the firm transmission, the network service, to be
- 20 used to serve the contract, because that's the resource
- 21 that the customers have bought and paid for. But
- 22 they're not allowed to use that network service at
- 23 night. So we then have to go to the non-firm market
- 24 and -- and purchase non-firm transmission. And that's
- 25 subject to cur -- to curtailment.

1327 (BRIEF PAUSE) 1 2 3 MR. BOB PETERS: Mr. Cormie, Manitoba Hydro, though, pays open-access transmission tariffs in the United States of approximately \$30 million a year? 6 MR. DAVID CORMIE: Yes, Mr. Peters. 7 That is for the firm point-to-point. But if we only have 600 megawatts of point-to-point and we need two thousand (2,000), that means we're short thirteen hundred (1,300). We need to then use non-firm 10 11 transmission service. And if our transactions are creating congestion in the MISO footprint, those transactions will be curtailed and we won't be allowed 13 to export. So it's -- it's of paramount importance 14 15 that we hold firm transmission rights twenty-four (24) hours a day to be able to deal with the surpluses that 17 we have. 18 MR. BOB PETERS: Mr. Chairman, in light 19 of the time, perhaps a morning recess would be appropriate at this time. 21 THE CHAIRPERSON: Let's take ten (10) 22 minutes. 23 24 --- Upon recessing at 10:51 a.m. 25 --- Upon resuming at 11:06 a.m.

- 1 THE CHAIRPERSON: Board member Lafond
- 2 has a few questions.
- 3 MR. RAYMOND LAFOND: Just one (1)
- 4 question, actually. On page 112 of Tab 11 of the book
- 5 of documents, on the table at the bottom, we indicate
- 6 with an asterisk, "Year to July 2012."
- 7 Is this the calendar year or the fiscal
- 8 year as used by Manitoba Hydro?
- 9 MR. TERRY MILES: I believe this is
- 10 calendar.
- MR. RAYMOND LAFOND: Thank you.

- 13 CONTINUED BY MR. BOB PETERS:
- 14 MR. BOB PETERS: Mr. Cormie, from
- 15 Manitoba Hydro's research, natural gas generation is
- 16 growing in the MISO market and is forecast to grow by
- 17 about 5,000 megawatts of capacity between 2007 and
- 18 2017. Does that...
- 19 MR. DAVID CORMIE: I'm not familiar
- 20 with the five thousand (5,000) amount, Mr. Peters, but
- 21 I would agree -- agree with you that it is -- it is
- 22 growing, yes.
- 23 MR. BOB PETERS: And I'm not needing
- 24 any specific number, but way back on page 97 of the
- 25 book of documents is some data from Manitoba Hydro's

- 1 information responses, in terms of forecasted MISO new
- 2 natural gas as a resource.
- 3 MR. DAVID CORMIE: Yes.
- 4 MR. BOB PETERS: And that's where I
- 5 came up with the five thousand (5,000). It's actually
- 6 5,318 megawatts of forecast and actual capacity, from
- 7 '07 to '17.
- 8 MR. DAVID CORMIE: Yes.
- 9 MR. BOB PETERS: You'd accept that as -
- 10 as correct?
- MR. DAVID CORMIE: I do.
- MR. BOB PETERS: And that's reflecting
- 13 what you told the Board before the morning recess of
- 14 additional resources being put in as a result of
- 15 natural gas prices?
- 16 MR. DAVID CORMIE: Well, it -- and that
- 17 is one factor. Probably the other factor is that
- 18 environmental restrictions and -- are -- are causing
- 19 utilities and -- and aging coal generating stations are
- 20 -- are causing utilities to choose to shut those
- 21 facilities down when -- because when they look at the
- 22 long-term risks to coal and the -- and the risk of
- 23 having to make further investments in old coal
- 24 technology, they're choosing natural gas, new natural
- 25 gas generation, as the alternative.

1330 1 MR. BOB PETERS: And the natural gas alternative, Mr. Cormie, is mostly through the combined-cycle combustion turbines? 3 4 5 (BRIEF PAUSE) 6 7 MR. DAVID CORMIE: I think it's both, Mr. Peters. I don't have the split. 9 MR. BOB PETERS: For the purposes of 10 approximation, Mr. Cormie, is the combined-cycle 11 combustion turbine about twice as efficient as a 12 single-cycle combustion turbine? 13 MR. DAVID CORMIE: Not twice. 14 understand that the combined-cycle combustion turbine 15 has a heat rate around seven thousand (7,000), whereas 16 the simple cycle would be at ten thousand (10,000), so a third (1/3) more efficient. 17 18 MR. BOB PETERS: Maybe you can explain 19 to the Board the -- the calculation of the relationship 20 between the gas price to the electricity generated from 21 -- from each of single cycle and a combined cycle? 22 MR. DAVID CORMIE: Yes, and it's --23 it's actually quite simple. For -- you know, for 24 example, our combustion turbines at Brandon have a heat 25 rate of -- just the -- the number of thirteen (13). So

- 1 you take thirteen (13) as the heat rate on the unit,
- 2 multiply it by the price of gas; if the price of gas
- 3 was five dollars (\$5), then thirteen (13) times five
- 4 (5) is sixty-five dollars (\$65) a megawatt hour for the
- 5 energy.
- 6 And if we had combustion turbines that
- 7 had a heat rate of seven (7) instead of thirteen (13),
- 8 then it would be five (5) times seven (7), or thirty-
- 9 five dollars (\$35). So you're talking about the cost
- 10 of fuel to produce a megawatt hour of thirty-five (35)
- 11 versus sixty-five dollars (\$65).
- 12 MR. BOB PETERS: And how is the heat
- 13 rate determined on these turbines?
- 14 MR. DAVID CORMIE: Well, the -- the
- 15 heat rate is determined through the design of the
- 16 turbine. But in a combined-cycle combustion turbine,
- 17 the heat is used twice. So they use -- there's
- 18 actually two (2) turbines, so the -- the gas is burnt.
- 19 It generates power in one (1) -- in one (1) -- through
- 20 one (1) turbine, and then the waste heat from that
- 21 turbine is then recycled. It -- it -- there's more gas
- 22 added, and it's recycled again. So there's a -- you --
- 23 you have more -- there's more equipment there to
- 24 capture the energy that's available from burning the
- 25 gas.

- 1 So they are significantly more
- 2 efficient, but they are significantly more expensive.
- 3 So although you save a little bit on the cost of fuel
- 4 you spend a lot more on interest and depreciation and
- 5 facilities to have a combined-cycle turbine installed.
- 6 MR. BOB PETERS: Manitoba Hydro's two
- 7 (2) gas turbines in Brandon are the -- the single
- 8 cycle?
- 9 MR. DAVID CORMIE: Simple cycle, yes.
- 10 MR. BOB PETERS: I'm sorry, simple
- 11 cycle is the correct nomenclature. At the time
- 12 Manitoba Hydro procured those, was the decision made to
- 13 obtain the simple cycle as opposed to the combined
- 14 cycle for economic reasons?
- MR. DAVID CORMIE: Yes, the role of
- 16 combustion turbines at Brandon is a backup role. They
- 17 -- they are used rarely. And it's only when a
- 18 generating unit runs long enough that the efficiency
- 19 savings justify the expenditure of the additional
- 20 capital necessary to -- for a combined cycle.
- 21 So we -- we determined the -- that we
- 22 wanted a backup unit, one (1) that would run rarely,
- 23 only in emergencies. And therefore, the benefits of
- 24 having the efficiencies didn't justify the additional
- 25 carrying costs of having -- having a more complex

- 1 machine and expensive machine there.
- 2 MR. BOB PETERS: Is the heat rating for
- 3 the Brandon simple-cycle combustion turbines a matter
- 4 you can put on the public record?
- 5 MR. DAVID CORMIE: It -- yes, it is.
- 6 It's about twelve (12). But it -- it varies, depending
- 7 on what the loading is, and it can be as high as a
- 8 hundred (100). So the multiplier is a hundred (100) at
- 9 very low loadings. So if we're running at -- at -- at
- 10 4 megawatts out of the hundred and sixty (160), we're
- 11 using a huge amount of gas on a relative basis. So
- 12 very inefficient at low loadings and about twelve (12),
- 13 twelve and a half (12 1/2), at -- at most-efficient
- 14 loading.
- 15 And then on top of that, you have the
- 16 cost of starting and stopping the units. And you have
- 17 the cost of buying transmission service to bring the
- 18 gas to the generating station. And there's a -- a few
- 19 other costs that get included when you determine what
- 20 the margin or the incremental costs of producing power
- 21 there is.
- MR. BOB PETERS: When you talk about
- 23 the costs of startup, is that just labour cost?
- 24 MR. DAVID CORMIE: No, every hour that
- 25 you run -- every time that you start it, there's a --

- 1 an equivalent cost calculated, and that means there's
- 2 more maintenance required. So if you run it, you're
- 3 then committing yourself to doing -- getting a tune-up
- 4 sooner.
- 5 So, it -- it's about ten thousand
- 6 dollars (\$10,000) to start the combustion turbines, and
- 7 that's a fixed cost. Every time you choose to start
- 8 it, you're committing to spending ten thousand dollars
- 9 (\$10,000), plus whatever the fuel costs are.
- 10 So that's why rarely do our combustion
- 11 turbines get dispatched into the MISO market, because
- 12 when we price it, we assume that they're going to start
- 13 it and an hour later they're going to stop it. And we
- 14 have to recover that ten thousand dollars (\$10,000)
- 15 over that hour of sales. So rarely do they become a --
- 16 a unit that's economic.
- MR. BOB PETERS: You mentioned capital
- 18 costs to the Board, Mr. Cormie. And what is the
- 19 approximate capital cost of a -- a, say, 250 megawatt
- 20 single -- simple cycle compared to a 250 megawatt
- 21 combined-cycle gas turbine?
- MR. DAVID CORMIE: Can we get that
- 23 number for you, Mr. Peters? I don't have the number at
- 24 hand.
- MR. BOB PETERS: Certainly. Manitoba

1335 Hydro will undertake to advise the Board on the approximate capital costs of a 250 megawatt combinedcycle combustion turbine combined to the capital costs 3 of a 250 megawatt simple-cycle combustion turbine. 5 That's acceptable, Mr. Cormie? 6 MR. DAVID CORMIE: Yes. MR. BOB PETERS: Thank you. --- UNDERTAKING NO. 26: Manitoba Hydro to advise 10 the Board on the 11 approximate capital costs 12 of a 250 megawatt combined-13 cycle combustion turbine 14 combined to the capital 15 costs of a 250 megawatt 16 simple-cycle combustion 17 turbine, as well as advise 18 the Board as to how 19 scalable those prices are, 20 in terms of up-sizing the 21 turbine in terms of 22 relative costs 23 24 CONTINUED BY MR. BOB PETERS: 25 MR. BOB PETERS: Mr. Cormie, a follow-

1336 up on that undertaking. If -- if -- see if you can accept this as part of that same undertaking, is to advise the Board as to how scalable those prices are, in terms of up-sizing the turbine in terms of relative costs. 6 MR. DAVID CORMIE: Yes, we'll do that, 7 Mr. Peters. 8 MR. BOB PETERS: Thank you, Mr. Cormie. 9 I'll just give you a minute. 10 11 (BRIEF PAUSE) 12 13 THE CHAIRPERSON: I have a question in 14 relation to the use of the Brandon unit. So, for 15 example, when we were -- when you gave as an example 16 the cold night that we had where you were generating forty-four hundred (4,400) units of power, the -- those 17 18 Brandon plants were in use at that time, were they? 19 MR. DAVID CORMIE: I don't believe Brandon was on at the time, because we could avoid 21 spending the ten thousand dollars (\$10,000) to start 22 the unit by buying electricity in the -- in the United 23 States rather than running them. 24 They would be run though if there was a 25 -- an electrical problem in the area. We would spend

- 1 the money necessary to keep reliable supply to Brandon.
- 2 But if it was just for energy, we would go to the
- 3 market to buy the energy to avoid those startup costs.

- 5 CONTINUED BY MR. BOB PETERS:
- 6 MR. BOB PETERS: Mr. Cormie, do you
- 7 need a minute -- a minute further?
- MR. DAVID CORMIE: No, go ahead.
- 9 MR. BOB PETERS: Mr. Cormie, I wanted
- 10 you to explain to the Board back in Tab 8, page 72 of
- 11 the book of documents where we have the average price
- 12 calculations for IFF11-2, that if the Board turns to
- 13 page 72 of PUB Exhibit 14, and one (1) line below the
- 14 Manitoba hydraulic generation, Manitoba Hydro also
- 15 provides some thermal generation volumes, correct?
- MR. DAVID CORMIE: Yes.
- MR. BOB PETERS: But when the Board
- 18 goes to the bottom of the page, the second line from
- 19 the very bottom of Tab 8, page 72, it appears that the
- 20 thermal generation costs in -- let's pick 2011/'12
- 21 actual, were a hundred and twenty-one dollars (\$121) a
- 22 megawatt hour?
- MR. DAVID CORMIE: Yes.
- 24 MR. BOB PETERS: Or twelve (12) cents a
- 25 kilowatt hour?

1338 1 MR. DAVID CORMIE: Yes. 2 MR. BOB PETERS: That appears to be considerably higher than at other times. Is there an 3 explanation for that? 5 6 (BRIEF PAUSE) MR. DAVID CORMIE: So that -- that reflects that the thermal generation is -- is very low. And you can see since that table began in 2007, thermal 10 11 generation was up 457 gigawatt hours in -- now for --12 the actual in 2011/'12, down to 77 gigawatt hours. 13 Over that period of time the average 14 cost of the thermal has gone from thirty-three dollars 15 (\$33) up to a hundred and twenty-one dollars (\$121). And we're just -- and where do the -- where's the costs here? We're amortizing the cost of \$15 million in 2007 17 18 and '08. And by the time we get to '11/'12, we're -it's down to 9 million. 19 20 So we're spending approximately \$6 21 million less in order to meet the thermal requirements. 22 And that's resulting in unit prices going up to the 23 hundred and twenty-one dollar (\$121) amount. 24 25 (BRIEF PAUSE)

1339 MR. BOB PETERS: Does that reflect the 1 startup for the low generating capacity needed, low load factor, or low load on the -- on the unit? 3 4 MR. DAVID CORMIE: The startup costs, I don't believe, show up in this calculation, because they end up being a deferred maintenance cost. So 7 they'll show up in -- in the -- in another area of the -- of the accounts here. And I'm not sure where those startup costs are actually shown. 10 MR. BOB PETERS: So this is simply the 11 fuel costs divided by the output? 12 MR. DAVID CORMIE: Yes. 13 MR. BOB PETERS: Doesn't that strike 14 you as -- as high? 15 MR. DAVID CORMIE: Oh, absolutely. 16 That's why we don't run them very often. 17 MR. BOB PETERS: But it's not as high 18 as it is in the other years, even going forward, it's 19 forecast? 20 MR. DAVID CORMIE: Well, as -- as we go 21 forward, what -- what Mr. Miles does in his estimate, 22 he does -- when -- when he's running the -- when he's 23 operating the coal he's running at a base load, so 24 there's lots of -- there's lots of megawatt hours to

amortize the fixed costs over and the efficiencies are

- 1 -- are quite good.
- 2 But when you're operating very
- 3 infrequently for training, and you're starting and
- 4 stopping, efficiencies aren't very high, and it results
- 5 in a very high unit price for the electricity.
- But remember, we're not dispatching
- 7 these units for economics; we're starting and stopping
- 8 them to meet reliability or training requirements. And
- 9 in the actual amounts of -- amounts -- the actual cost,
- 10 in dollar terms, are going down. So instead of
- 11 spending 15 million in the -- in the first year of that
- 12 table, we're down to 9 million.
- So on a unit basis it's got a -- it's
- 14 become expensive, but we're actually meeting our
- 15 requirements at less overall cost to -- to the Company.
- 16 MR. BOB PETERS: Mr. Cormie, would it
- 17 be correct for the Board to understand that, from what
- 18 they see here and you've explained, that natural gas
- 19 will be a competitive fuel source for electricity and a
- 20 competitive source as against Manitoba Hydro's water
- 21 source?
- 22 MR. DAVID CORMIE: Could you ask that
- 23 again, Mr. Peters?
- MR. BOB PETERS: Yes. Gas-generated
- 25 electricity will be a competitor for Manitoba Hydro on

1341 the export market for many years to come? 2 3 (BRIEF PAUSE) 5 MR. DAVID CORMIE: I think, Mr. Peters, it's fair to say that natural gas will be the preferred source of new supply in the United States. And it will 7 set, in most cases, the marginal cost or the -- the market prices. And that -- and that will be the price 10 that will establish the value that Manitoba Hydro has for prime -- primarily it's on-peak generation. Off-11 peak generation will be valued at -- generally at -- at 13 -- either at wind or at -- at coal, depending on how 14 much coal remains in the future. 15 And -- and it's all dependent on -- on 16 what the price of natural gas does out into the future. We know it's very low right now. What is the price of 17 18 natural gas going to be in ten (10), fifteen (15), 19 twenty (20) years? It's un -- we just don't know what that is going to be. We have the estimates of five (5) 21 forecasters, and we're using the average of those estimates to determine the value. 22 23 MR. BOB PETERS: What Manitoba Hydro 24 does know is that in MISO gas competition is increasing 25 because of the additional resources being brought on?

1342 MR. DAVID CORMIE: There's more gas 1 being built because they really don't have a lot of alternatives, Mr. Peter. 3 MR. BOB PETERS: Would it also be fair to conclude, Mr. Cormie, that Manitoba Hydro's opportunity prices will have to be lower than gas-7 generated electricity? 8 9 (BRIEF PAUSE) 10 11 MR. DAVID CORMIE: No, that's -- that's not clear to me. There is a huge risk in the future 13 that there will be carbon regulation, and gas will --14 the cost of the actual gas will -- could only be --15 might only be a minor part of the cost of producing 16 electricity from natural gas. 17 And for that reason our long-term export 18 customers continue to see Manitoba Hydro as an 19 attractive alternative to building natural gas generating stations. And when they price in the risk 21 of natural gas and the -- and the risk of carbon 22 pricing in the future they find that Manitoba Hydro's 23 prices are attractive. 24 But when we actually get to producing surplus electricity off our system, as we do now, we're

1343 exposed to the cost of -- of competing sources, whatever they are at that time. But there's no guaran -- there's no certainty that natural gas is going to 3 stay low like it is today. 5 Our experts who provide us long-term advice -- direction they say there will be real cost increase. And -- and it's a matter of time. 7 8 MR. BOB PETERS: Can you provide the correlation to the Board, Mr. Cormie, of what a carbon tax of say thirty dollars (\$30) a tonne on natural --10 on natural-gas-generated electricity, what that would 11 do to the -- the cost of generation? 13 14 (BRIEF PAUSE) 15 16 MR. DAVID CORMIE: It's about twenty 17 dollars (\$20) a megawatt hour for a thirty dollar (\$30) 18 a tonne carbon adder. 19 MR. BOB PETERS: That's for gas? Well, I suppose it'll be for -- for any source. 21 MR. DAVID CORMIE: That's for a 22 combined-cycle combustion turbine. 23 MR. BOB PETERS: And what if it was one 24 of the coal plants, Mr. Cormie?

I'm sorry, Mr.

MR. DAVID CORMIE:

1344 Peters, that was on average. For a coal plant there's 1 tonne of carbon for every tonne of -- of coal, so it's a 1:1 ratio. 3 MR. BOB PETERS: But in terms of driving up the megawatt -- the -- the price per kilowatt hour? 7 MR. DAVID CORMIE: Well, a thirty dollar (\$30) a tonne would result in a thirty dollar 9 (\$30) megawatt hour. 10 MR. BOB PETERS: All right. Sorry, I -11 - I got your point, three (3) --12 MR. DAVID CORMIE: Right. 13 MR. BOB PETERS: -- three (3) cents a 14 kilowatt hour --15 MR. DAVID CORMIE: Yeah. 16 MR. BOB PETERS: -- increase on that, 17 yeah. 18 MR. DAVID CORMIE: So in the -- in the 19 -- in the long run, the cost of producing electricity from combustion turbines is the cost of the gas and the 21 cost of the transport and the cost of the carbon and --22 and all the fixed costs associated with the facility. 23 And th -- those are unknown what they're 24 -- what they're going to be twenty (20) years from now. 25

- 1 MR. BOB PETERS: All right, the -- the
- 2 carbon cost of thirty dollars (\$30) -- a -- a tax of
- 3 thirty dollars (\$30) a tonne, what does that do for the
- 4 -- for the natural-gas-generated electricity? I didn't
- 5 -- I think you gave me an average price.
- 6 MR. DAVID CORMIE: Well, it's about a
- 7 multiplier of point six (.6) to point seven (.7), Mr.
- 8 Peters, so -- on average. So thirty dollars (\$30)
- 9 times point seven (.7) is around a twenty dollar (\$20)
- 10 megawatt hour adder for the cost of carbon.
- MR. BOB PETERS: On a gas plant?
- MR. DAVID CORMIE: For an average gas
- 13 plant, yeah.
- 14 MR. BOB PETERS: Oh, okay. Thank you,
- 15 sir. Perhaps, Mr. Cormie, we can review page 118 and
- 16 119 with the Board in the book of documents.
- 17 You've -- you've already indicated to
- 18 the Board that in terms of the MISO market prices,
- 19 Manitoba Hydro has to either bid into the day-ahead
- 20 market or sell real-time when a certain fuel is setting
- 21 the price.
- 22 Would that be correct?
- 23 MR. DAVID CORMIE: That's correct. We
- 24 always bidding -- we're always offering our energy into
- 25 the market at our -- at our cost, and -- and we're

- 1 competing with all the other generators to see who is
- 2 in merit at that time.
- MR. BOB PETERS: All right. And on
- 4 page 119 of the book of documents, to determine who is
- 5 in merit, that means whose -- whose energy is being
- 6 directed to the market that the market will buy. And
- 7 it will -- it will either be from -- from coal or
- 8 natural gas or some other source that would be the --
- 9 at the margin on those days.
- MR. DAVID CORMIE: Yes.
- 11 MR. BOB PETERS: Can the Board conclude
- 12 from the chart on page 119 that coal predominantly sets
- 13 the price most of the time, coal being the -- the
- 14 burgundy colour on the bottom bar chart.
- 15 MR. DAVID CORMIE: Yes, that's what
- 16 that chart indicates for the years 2010 and 2011.
- 17 MR. BOB PETERS: And if the -- if we go
- 18 to the top part of the chart to connect the dots, so to
- 19 speak, Mr. Cormie, it appears that the coal price that
- 20 is setting the price is around the two (2) cents a
- 21 kilowatt hour, twenty dollars (\$20) per megawatt hour?
- MR. DAVID CORMIE: Yes.
- 23 MR. BOB PETERS: And that would be
- 24 predominantly the off peak, would it, sir?

1347 (BRIEF PAUSE) 1 2 3 MR. DAVID CORMIE: I'm not sure that's clear from this chart, Mr. Peters. 5 MR. BOB PETERS: Would that be Manitoba 6 Hydro's understanding or expectation? 7 MR. DAVID CORMIE: Yes. MR. BOB PETERS: And Mr. Cormie, the Board will note in the bottom right-hand corner, I guess in the latter months of 2011, that wind is coming 10 11 onto the scene to start to set the -- set the market 12 price. 13 MR. DAVID CORMIE: Yes. 14 MR. BOB PETERS: And that -- that, 15 again, is likely to be off peak, would it, sir? 16 17 (BRIEF PAUSE) 18 19 MR. DAVID CORMIE: I'm not sure this report says that, but I -- that wouldn't surprise me, Mr. Peters. 21 22 MR. BOB PETERS: And does that include 23 wind coming in at negative prices, sir? 24 MR. DAVID CORMIE: Oh, yes. 25 MR. BOB PETERS: Your answer suggests

- 1 that's a -- that's common?
- 2 MR. DAVID CORMIE: Yes. Wind -- wind
- 3 generally blows stronger at nighttime. There's not a
- 4 lot of electrical demand at night. And so the wind
- 5 regions are -- are long electricity. They have no
- 6 load, and they're trying to export it into -- into
- 7 areas that could -- could use it. That overloads the
- 8 transmission system, causes congestion, drives the
- 9 price of electricity down, sending to the -- sending a
- 10 price signal to the other generators in the region, We
- 11 have an oversupply. And if you actually want to
- 12 generate, you're going to pay to generate. So negative
- 13 pricing is a signal that there's an oversupply.
- 14 And Manitoba Hydro takes advantage of
- 15 those situations by stopping its exports and getting
- 16 paid to buy power. And so this is something we're
- 17 quite familiar with that's a way of using the storage
- 18 in our hydro system to make more money for Manitoba
- 19 customers.
- 20 MR. BOB PETERS: Mr. Cormie, you've
- 21 indicated that -- on a couple of occasions that gas
- 22 also sets the market price. Would that be -- would you
- 23 go so far as to say about a -- a third (1/3) of the
- 24 time, predominantly in the peak times?

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1
                          (BRIEF PAUSE)
2
3
                  MR. DAVID CORMIE: Again, I -- I don't
   know where you're getting the third (1/3) number from,
   Mr. Peters, but I -- that -- that doesn't surprise me,
   and I'll agree to proceed on that basis.
7
                          (BRIEF PAUSE)
9
10
                  MR. BOB PETERS: Mr. Cormie, at the
   last general rate application from Manitoba Hydro, ICF
11
   provided a forecast of its natural gas prices to the
   Board?
13
14
                  MR. DAVID CORMIE: Yes, I remember
15
   that.
                  MR. BOB PETERS: And I believe it's on
16
17
   page 128 of the book of documents.
18
                  MR. DAVID CORMIE: Yes, I see that.
19
                  MR. BOB PETERS: And at that point in
   time, what ICF did is it -- it provided its forecast in
21
   the middle column on page 128 at Tab 11, and then it
22
   also provided an update in the right-hand column,
23
   correct?
24
                  MR. DAVID CORMIE: No.
                                            The -- the two
25
   (2) columns are the same. One (1) is nominal dollars,
```

- 1 which are in dollars of the years shown, and one (1) is
- 2 in -- in constant dollars to 2010 dollars. So what
- 3 that forecast shows, 2011, of four dollars (\$4) per
- 4 MMBTU, showing real escalation up to six dollars and
- 5 ninety cents (\$6.90) by the time you get out to 2035.
- In nominal dollars, which are the
- 7 numbers that Manitoba Hydro uses in its forecast, it's
- 8 going from four dollars (\$4) in 2011 to twelve point
- 9 nine (12.9). So that's the difference between nominal
- 10 and constant dollars.
- 11 So in 2035, you could take that -- make
- 12 it thirteen dollars (\$13), and you can multiply it by
- 13 your heat rate of, let's say, seven (7). So that
- 14 becomes seven (7) times thirteen (31) is ninety-one
- 15 dollars (\$91) a megawatt hour in nominal 2035 dollars.
- 16 MR. BOB PETERS: Thank you, Mr. Cormie.
- 17 On the next page, on page 129, ICF also provided a
- 18 forecast to the Board, but related to the Centra side
- 19 of Hydro's business. And you're aware of that, sir?
- 20 MR. DAVID CORMIE: I see the -- the
- 21 attachment, yes.
- 22 MR. BOB PETERS: And have you -- and
- 23 this is an updated forecast from what was provided
- 24 previously?
- MR. DAVID CORMIE: Yes. But again,

1351 this is in real 2010 or 2011 dollars, Mr. Peters. This is not in nominal dollars. 3 (BRIEF PAUSE) 5 6 MR. BOB PETERS: Is this the latest information that Manitoba Hydro has been able to put on the public record in respect of its forecasts of natural gas prices, sir? 10 MR. DAVID CORMIE: I -- I believe this 11 is the latest, yes. 12 MR. BOB PETERS: And likewise, in terms 13 of the carbon forecasting -- carbon consequences, on page 130 of the book of documents there's a forecast 14 15 also provided by ICF International. 16 And this was -- this was also provided, 17 I believe, at the last general rate application, sir? 18 MR. DAVID CORMIE: Yes, I agree. 19 (BRIEF PAUSE) 20 21 22 MR. BOB PETERS: The ICF forecast maybe 23 just exemplifies the point I think you've made to the 24 Board, Mr. Cormie, that what forecast used to be for --25 for a carbon emission penalty was thought to perhaps be

- 1 coming into existence as early as 2015, but now that's
- 2 been pushed off, perhaps as late as 2018.
- 3 Would that be correct?
- 4 MR. DAVID CORMIE: Yes, that's ICF's
- 5 view. There are others who think it might be earlier,
- 6 others who think it's later. But I think the general
- 7 consensus is that it's -- it will be -- it will be
- 8 later now; not if, just when.
- 9 MR. BOB PETERS: And how much later?
- 10 MR. DAVID CORMIE: I'm -- I don't know
- 11 the answer to that, Mr. Peters.
- 12 MR. BOB PETERS: And in addition to the
- 13 forecast indicating that a carbon tax regime will come
- 14 later, it's also forecast, at least by ICF, that the
- 15 tax will not be as high as -- as previously perhaps
- 16 thought?
- MR. DAVID CORMIE: Yes. In ICF's view,
- 18 yes.
- 19 MR. BOB PETERS: Does Manitoba Hydro
- 20 get more than one (1) forecast of CO2 emissions
- 21 pricing?
- MR. DAVID CORMIE: Yes. Each of our
- 23 consultants has a view of how regulatory and political
- 24 developments will unfold over time and they embed those
- 25 views into their forecasts, and ICF having -- having

1353 one (1) of five (5) views. 2 MR. BOB PETERS: Are you at liberty, Mr. Cormie, to indicate if Manitoba Hydro shares the 3 views put forward publicly by ICF? 5 6 (BRIEF PAUSE) MR. DAVID CORMIE: You know, Mr. Peters, we -- we're -- we're not advocating any 10 of the results -- any of the opinions of our consultants. We give them equal weight and -- and let 11 the outcome fall where it may. We -- we're not having 13 a bias. We think that by going to these independent 14 consultants, they have -- they have no -- you know, 15 we're -- they're being paid for their advice, and Manitoba Hydro takes it. They have no -- there's no 16 17 stakes in the game for them. 18 MR. BOB PETERS: I -- I appreciate the 19 answer. Would it be -- would -- would you be able to indicate whether ICF is middle of the pack, or are they 21 at the at the high end, the low end, or some other 22 general description, without providing specifics? 23 MR. DAVID CORMIE: I'm not aware of 24 where ICF lands and I'm -- no, I -- I don't know where 25

they -- where they are within the -- the set of

- 1 forecasts that we have.
- THE CHAIRPERSON: To what extent would
- 3 I -- would a spike in gas prices influence your
- 4 financial results over the next couple of years? You
- 5 know, for example, we had a spike -- you know, it was a
- 6 cold winter and there was a spike in gas prices.
- 7 Would that have a measurable impact on
- 8 your financial results over those -- during that
- 9 period?
- 10 MR. DAVID CORMIE: Price -- price
- 11 spikes have an effect on -- on how much hedging our
- 12 customers do in the forward markets, which tends to
- 13 drive up -- drive up prices. And since the natural gas
- 14 price came off, we haven't nearly seen the amount of
- 15 forward contracting, because they want to -- they want
- 16 to lock in fixed price power. And to the extent that
- 17 there -- volatility reappears, they see that as
- 18 creating instability for their own customers, and
- 19 they'll want to hedge that away.
- 20 And so during the periods of very high
- 21 natural gas prices six (6), seven (7) years ago -- and
- 22 I think we looked at some of those contract prices
- 23 relative to where spot prices actually landed -- we
- 24 were averaging, let's say, seventy dollars (\$70) a
- 25 megawatt hour for where the product actually sold for

- 1 thirty (30) -- in the thirty dollar (\$30) range. So
- 2 that can form a significant source of additional income
- 3 for Manitoba Hydro, I think, in those years of service,
- 4 you know, in the order of \$100 million.
- 5 So volatility from -- from the electric
- 6 side of the company is -- is a good thing. From our
- 7 natural gas customers' perspective, volatility is
- 8 obviously not desirable. But I would think that -- it
- 9 would also reinforce the -- the message that -- that
- 10 our customers are sending us is that they are concerned
- 11 about where future natural gas prices are going to be
- 12 and the volatility associated with that.
- 13 And if -- if we had short-term
- 14 volatility, there would be much new -- renewed interest
- 15 in Manitoba Hydro's product, which is a long-term
- 16 stable-priced product. And I think volatility or
- 17 higher prices would have a significant impact on -- on
- 18 Manitoba Hydro's export revenues.
- 19 THE CHAIRPERSON: I was more trying to
- 20 -- more trying to understand the short-term impacts.
- 21 You know, in -- in other words, I think I understand
- 22 you to say that the -- the buyers of natural gas in the
- 23 US that use for -- that use it for electricity
- 24 generation would be hedging their purchases, right.

- 1 And so even though there might be a
- 2 nearby spike, they -- it wouldn't impact the prices
- 3 that they would be able to -- at which they offer
- 4 electricity prices -- electricity on the market, right?
- 5 MR. DAVID CORMIE: Well, those -- those
- 6 fuel cost spikes flow right through to the market
- 7 clearing price. Like Manitoba Hydro, the owner of a
- 8 natural gas turbine offers in his power in the day-
- 9 ahead market based on what his gas costs are on that
- 10 day. And -- and so to the extent that there's
- 11 volatility, it will result in immediate changes to the
- 12 electricity price.
- 13 MR. RAYMOND LAFOND: I -- I can
- 14 understand that consumers are very worried about
- 15 increases in prices, having seen what happened five (5)
- 16 to eight (8) years ago. On the other hand, for
- 17 Manitoba Hydro and forecasters who have a better
- 18 understanding of the current situation, the technology
- 19 that's changed totally in the last five (5), six (6)
- 20 years, et cetera, I heard a bit earlier that
- 21 forecasters and, I think, yourselves do expect some
- 22 real price increases over and above inflation in the
- 23 next years.
- 24 Why would that be, with this new
- 25 technology that is evolving very, very quickly and the

1357 new sources they're finding, and to the extent where we keep reading that the US expects to be self-sufficient, in terms of energy, in the next twenty (20) years or 3 so? 5 6 (BRIEF PAUSE) MR. DAVID CORMIE: Because of aging infrastructure, Mr. Lafond, the -- more electricity will be generation from natural gas, increasing the 10 demand for natural gas, which drives up the -- the 11 price of natural gas. And -- and there are renewable 13 portfolio standards that's resulting in higher electricity costs from natural gas. 14 15 MR. RAYMOND LAFOND: So that would be 16 the aging infrastructure having to do with energy being produced by coal? 17 18 MR. DAVID CORMIE: Yes. 19 MR. RAYMOND LAFOND: Thank you. 20 MR. DAVID CORMIE: And as we mentioned 21 the other day, the nuclear generating stations, will --22 will they be re-licensed, and that whole issue. 23 MR. RAYMOND LAFOND: Well, that's a 24 different subject, nuclear energy. But again, not to get into this too deeply at this time, that seems to be

- 1 evolving very quickly, again reading that in the US
- 2 they're now looking at producing some mobile nuclear
- 3 energy plants, like small nuclear energy plants which
- 4 they can move to different cities or different towns.
- 5 MR. DAVID CORMIE: Yes. I'm not aware
- 6 of those, but I -- I just think that over the last
- 7 couple of years after the incident in Japan, I don't
- 8 think there was a forecaster who ever anticipated the
- 9 results around the world for the nuclear industry that
- 10 that earthquake caused. And just -- we're in a very
- 11 volatile world. And nuclear energy is one of -- it
- 12 appears to be one of the casualties of -- of -- of --
- 13 of that.

- 15 CONTINUED BY MR. BOB PETERS:
- 16 MR. BOB PETERS: Mr. Rainkie, in my
- 17 eight (8) minutes left before lunch, I want to finish
- 18 the last tab in the book of documents with you, sir,
- 19 and get you ready for OM&A this afternoon.
- 20 But one of the line items, sir, on your
- 21 IFF -- Manitoba Hydro's IFF -- found at Tab 3, page 21
- 22 of Board counsel's book of document is -- is a line
- 23 item called "Other Revenues."
- You're familiar with that, sir?
- MR. DARREN RAINKIE: Yes, I am.

- 1 MR. BOB PETERS: And what we've shown
- 2 here on page 131 of the book of documents is that the
- 3 other revenues appears to be, in my words, a bit of a
- 4 catchall for -- for revenues that aren't of a
- 5 sufficient nature but still need to be recorded
- 6 somewhere on your -- on your forecast.
- 7 MR. DARREN RAINKIE: Yeah, the -- these
- 8 are revenues that aren't our general consumers
- 9 revenues. That's why they're termed "other revenues" -
- 10 so they have to have -- fit somewhere into the
- 11 financial statements, Mr. Peters, and so they're termed
- 12 "other revenue."
- MR. BOB PETERS: And -- and just maybe
- 14 to that point -- Mr. Warden raised it earlier and I --
- 15 I don't know that I have an answer for it yet for the
- 16 Board, but where would Manitoba Hydro record late
- 17 payment fees?
- MR. DARREN RAINKIE: Mr. Peters, in the
- 19 presentation that we have in this material, late
- 20 payment free -- fees are grouped with general consumers
- 21 revenue. I think that's what Mr. Warden indicated,
- 22 subject to check, a few days ago; but that's where they
- 23 are. So they're not in this other revenue.
- 24 MR. BOB PETERS: And late payment fees,
- 25 Mr. Rainkie, what -- what's an order of magnitude for

- 1 an average year?
- MR. DARREN RAINKIE: Mr. Peters, I
- 3 think, in the order of 4 to \$5 million, just looking at
- 4 our last two (2) years' actual.
- 5 MR. BOB PETERS: Thank you, Mr.
- 6 Rainkie. When the Board looks at the line items on
- 7 other revenue and sees operating expense recoveries,
- 8 that's a new addition to Manitoba Hydro's reporting
- 9 presentation, Mr. Rainkie?
- 10 MR. DARREN RAINKIE: Yes, Mr. Peters.
- 11 That's a reclassification. So tho -- those revenues
- 12 used to be netted against operating, maintenance, and -
- 13 and administrative costs. Now we've moved them up to
- 14 the other revenue line, but it doesn't affect our
- 15 bottom line. It's simply a reclassification.
- 16 MR. BOB PETERS: So the revenues are
- 17 going to show up in other revenues and the expenses
- 18 will show up in the OM&A lines?
- 19 MR. DARREN RAINKIE: So, the -- the
- 20 effect, Mr. Peters, just to be clear, of moving \$8
- 21 million or so, these costs used to be netted against
- 22 operating costs. So they would -- so moving this up to
- 23 other revenue is going to increase other revenue by 8
- 24 million. It's also going to increase operating costs
- 25 by 8 million, for a net effect on our bottom line of

- 1 zero. It's simply a reclassification, as we call it,
- 2 in the accounting biz.
- MR. BOB PETERS: These operating
- 4 expense recoveries occur when Manitoba Hydro provides
- 5 services to third parties?
- 6 MR. DARREN RAINKIE: That's correct,
- 7 and I think you're on to the next page, Mr. Peters.
- 8 We've kind of listed some of the sources of those, but
- 9 it's also some miscellaneous third-party fees like
- 10 electrical wiring, inspection fees and other
- 11 miscellaneous fees, Mr. Peters, makes up that amount.
- 12 So it's things that we do for -- for third parties to
- 13 the Corporation, if you like.
- 14 MR. BOB PETERS: And this would be
- 15 Manitoba Hydro using its assets to provide services to
- 16 third parties?
- 17 MR. DARREN RAINKIE: I think using its
- 18 people to provide services to third parties for a fee.
- 19 MR. BOB PETERS: And this would then be
- 20 prim -- primarily then a recovery of the labour costs?
- 21 MR. DARREN RAINKIE: I think that's --
- 22 that's fair. Probably primarily labour, Mr. Peters.
- 23 MR. BOB PETERS: The joint-use line
- 24 item, Mr. Rainkie, is a reflection of the -- the
- 25 sharing of poles with telecommunications companies?

- 1 MR. DARREN RAINKIE: Yes. It's the net
- 2 of all charges back and forth between the various
- 3 utilities for using each other's assets, as you say,
- 4 Mr. Peters.
- 5 MR. BOB PETERS: All right. And that's
- 6 -- that was my point is that this reflects others
- 7 attaching to Manitoba Hydro's poles. It also reflects
- 8 Manitoba Hydro attaching to other utilities or service
- 9 providers' poles at a -- at a fee.
- 10 MR. DARREN RAINKIE: It's the net, Mr.
- 11 Peters. Yeah, you're right.
- MR. BOB PETERS: And there's a --
- 13 there's -- an agreement is amongst the parties as to
- 14 what those fees are, sir?
- MR. DARREN RAINKIE: Yes, that's my
- 16 understanding, Mr. Peters.
- 17 MR. BOB PETERS: Can you explain
- 18 briefly to the Board the Island Falls Energy Transfer
- 19 Agreement? And what's the nature of that, sir?
- 20 MR. DAVID CORMIE: Mr. Peters, that's
- 21 an agreement we have with SaskPower, who has -- who
- 22 owns a generating station on the Churchill River in
- 23 Northern Saskatchewan, which isn't connected to
- 24 Southern Saskatchewan directly. So we have an
- 25 agreement where surplus energy in Northern Saskatchewan

1363
L is shipped through Manitoba and injected back into
2 Southern Saskatchewan over our transmission facilities.

- 3 And this agreement shows the rents paid by SaskPower
- 4 for the use of our transmission system.
- 5 MR. BOB PETERS: Is the hot-water tank
- 6 rental business a legacy business that's on the
- 7 decline?
- 8 MR. DARREN RAINKIE: Yes, Mr. Peters.
- 9 I think that's generally reducing, as we see in the
- 10 numbers.
- 11 MR. BOB PETERS: That's not a -- I'm
- 12 not even aware, Mr. Rainkie. Is that still an offering
- 13 that the Utility makes, or is that outsourced to HVAC
- 14 companies?
- 15 MR. DARREN RAINKIE: There's no -- no
- 16 new rentals, Mr. Peters.

17

18 (BRIEF PAUSE)

19

- 20 MR. BOB PETERS: There's also an
- 21 indication of -- of an increase in the other line that
- 22 relates to a settlement of an outstanding commitment to
- 23 Ontario Power Generation. Can you briefly describe
- 24 that to the Board?

1364 1 (BRIEF PAUSE) 2 MR. DAVID CORMIE: The -- we have an 3 agreement with Ontario Power Generation with regard to the Lake St. Joseph diversion. And I wasn't aware that that was being classified here. But, in effect, we pay 7 Ontario for a portion of the -- to compensate them for the cost of operating the diversion in northwest Ontario. And it's done through a -- where we sell them 10 about 88,000 megawatt hours a year. And it's -- it's 11 sold at a dollar forty (\$1.40) a megawatt hour, Mr. 12 Peters. 13 And it doesn't -- it's not really an --14 an export revenue arrangement. It's -- it's an 15 arrangement where we're paying them a fee to operate a diversion for us for our benefit. And that fee varies 17 annually depending on how much water is actually 18 diverted. So I believe that's where this -- this --19 this shows up. 20 MR. BOB PETERS: And you pay in this --21 in the form of --22 MR. DAVID CORMIE: No, they pay us. 23 MR. BOB PETERS: Sorry. 24 MR. DAVID CORMIE: They pay us a dollar 25 forty (\$1.40) for the electricity that we deliver.

PUB - MANITOBA HYDRO GRA 12-17-2012 1365 MR. BOB PETERS: All right. Thank you. 1 2 MR. DAVID CORMIE: It's their compensation -- it's a compensation we pay them -- or 3 they get the electricity, but they pay a dollar forty (\$1.40) to cover our incremental operating costs of -of producing that electricity. But then they get the 7 value of the electricity in the mar -- at the market price. 9 MR. BOB PETERS: Maybe this is too much 10 in the vernacular, but they get cheap electricity as --11 as an offset to the arrangement? 12 MR. DAVID CORMIE: Yep. 13 MR. BOB PETERS: All right. 14 Chairman, in light --15 MR. DAVID CORMIE: Yeah. Yes, that's 16 correct. 17 MR. BOB PETERS: What was the volume 18 involved? 19 MR. DAVID CORMIE: Eight -- eightyeight (88) -- on an average year it's around 88 21 gigawatt hours. 22 MR. BOB PETERS: All right. Thank you. 23 Mr. Chairman, in light of the hour this might be an

I have a question, a

appropriate time for the Board to take a lunch recess.

THE CHAIRPERSON:

24

- 1 few questions before we adjourn the -- I'm wondering
- 2 about the consulting work you do, for example, the
- 3 Newfoundland -- the work you do for the Newfoundland
- 4 government.
- I know you have a consulting operation.
- 6 Now, staff -- regular line staff working in support of
- 7 the consulting operation, they bill out their hours to
- 8 the consulting operation?
- 9 MR. DARREN RAINKIE: That's right.
- 10 Those costs will be billed to Manitoba Hydro
- 11 International.
- 12 THE CHAIRPERSON: So the -- so you
- 13 would just be reducing your -- the cost line in the
- 14 rates -- in the rate application we're seeing here,
- 15 right?
- 16 MR. DARREN RAINKIE: All the figures
- 17 that are produced in the Rate Application are net of
- 18 any subsidiary amounts, so there's no -- no amounts for
- 19 -- for subsidiaries in here. So all -- all
- 20 transactions have been eliminated through the -- in the
- 21 Application material.
- MR. RAYMOND LAFOND: Yes, that brings a
- 23 question, that ha -- that has all been eliminated.
- 24 However, it does impact on rates to consumers, whether
- 25 you generate much revenues from it or losses.

1367 MR. DAVID CORMIE: Well, it's -- the 1 net bottom line for those subsidiaries is between 4 or \$5 million. So in the -- in the grand scheme of things 3 I don't -- it -- first of all it's eliminated from the information so that we're not, you know, looking at setting rates -- we're not including those numbers in 7 the rate setting. 8 Secondly, it's a very small part of our -- while it's very important to the people that work on it, it's a very small part of our net revenue. So a --10 11 an increase or decrease in their net income of a million or two (2) dollars would not affect the rate 13 increases that we would request from this Board. 14 THE CHAIRPERSON: I think that's all 15 the questions from the panel. I would suggest we -- we 16 adjourn now and -- recess now and back in this room at one o'clock. Thanks very much. 17 18 19 --- Upon recessing at 12:01 p.m. --- Upon resuming at 1:03 p.m. 21 22 THE CHAIRPERSON: I believe we're ready 23 to resume proceedings. 24 MS. PATTI RAMAGE: Before we resume, Mr. Warden wanted to speak to one of the undertakings.

- 1 MR. VINCE WARDEN: Yes, Mr. Peters,
- 2 it's -- it's a fairly minor one but one we discussed
- 3 this morning was -- I just wanted to confirm that the
- 4 same management adjustment was applied in IFF11 as was
- 5 in IFF11-2. And, yes, I have confirmed that, the same
- 6 \$50 million that we discussed this morning was applied
- 7 to both of those forecasts.

- 9 CONTINUED BY MR. BOB PETERS:
- 10 MR. BOB PETERS: For the same test
- 11 years?
- 12 MR. VINCE WARDEN: For the same test
- 13 years. For the -- both test years, yes.
- 14 MR. BOB PETERS: Yeah. Okay. Thank
- 15 you, Mr. Warden.
- 16 MR. VINCE WARDEN: I might just also
- 17 take this opportunity while I'm on the microphone to
- 18 maybe respond to a question that the Chairman had with
- 19 respect to our -- any updates or results that we have
- 20 since the quarterly was released. And I can say,
- 21 without divulging the numbers at this point in time,
- 22 but I can say we're almost bang on the forecast for the
- 23 -- up to the end of November. So we're tracking the
- 24 forecast that we have currently.
- THE CHAIRPERSON: Thank you.

- 1 MR. VINCE WARDEN: On a bottom-line
- 2 basis. I should just clarify that. There are some --
- 3 there are some offsets that do occur nat -- naturally.
- 4 But on a bottom-line basis we're pretty much identical
- 5 to the forecast.

- 7 CONTINUED BY MR. BOB PETERS:
- 8 MR. BOB PETERS: What I'm understanding
- 9 you to be saying, Mr. Warden, is the net income line is
- 10 tracking even though there's some pluses and minuses on
- 11 the -- on the items above the net income line.
- MR. VINCE WARDEN: Yes. That's right,
- 13 Mr. Peters.
- 14 MR. BOB PETERS: Okay. I have your
- 15 point. And I should also indicate by way of
- 16 housekeeping, Mr. Chairman, that over the lunch hour,
- 17 Manitoba Hydro provided a copy -- paper copies of
- 18 Exhibit Manitoba Hydro 22, which was -- is the small
- 19 binder with information related to the MIPUG pre-ask
- 20 questions that related to depreciation. And that's
- 21 been circulated in paper form at this point in time.
- 22 It's already been marked, so it need not be further.
- 23 And included in that binder -- which if
- 24 Mr. Hacault hasn't got his yet he'll be getting one.
- 25 Included in that binder were paper copies of the infor

1370 -- of the pre-ask questions that the Public Utilities Board posed also related to depreciation matters, which were responded to over the weekend by email. And --3 but we've got paper copies now, and the parties are being provided with them. 6 I'd like to begin this afternoon, Mr. Warden and Mr. Rainkie, as well as Mr. Cormie, if -- if you're along for the ride, to -- to talk about operating, maintenance, and administration matters. 10 And as a starting point, Mr. Warden, 11 OM&A is the largest expense item listed on Manitoba Hydro's IFF? 12 13 MR. VINCE WARDEN: Yes, Mr. Peters, 14 very -- actually it -- the -- very closely followed by 15 finance expense. 16 17 (BRIEF PAUSE) 18 19 MR. BOB PETERS: Perhaps Mr. Warden -oh, I'm sorry, did you have something further to 21 provide to the Board? 22 23 (BRIEF PAUSE) 24 25 MR. RAYMOND LAFOND: Mr. Warden, you

- 1 said closely followed by what expense?
- MR. VINCE WARDEN: By finance expense.

- 4 CONTINUED BY MR. BOB PETERS:
- 5 MR. BOB PETERS: And I -- I think we're
- 6 pausing at your point, Mr. Warden, only to note on the
- 7 IFFs that in the latest IFF, Manitoba Hydro '12, by
- 8 approximately 2018, finance expense becomes perhaps the
- 9 largest expense item of the Corporation.
- 10 MR. VINCE WARDEN: That's right.
- 11 MR. BOB PETERS: All right. So I think
- 12 I have your point. But, Mr. Warden, would you agree
- 13 that OM&A is also the expense over which Manitoba
- 14 Hydro's management has the most direct control?
- MR. VINCE WARDEN: Yes.
- 16 MR. BOB PETERS: And would it also be
- 17 correct to your understanding, Mr. Warden, that
- 18 Manitoba Hydro's OM&A cost containment is an issue
- 19 that's been before this Board for, oh, eight (8) to ten
- 20 (10) years?
- 21 MR. VINCE WARDEN: Yes, we speak of it
- 22 frequently.
- 23 MR. BOB PETERS: And I just, for the
- 24 benefit of the panel, maybe we can -- with your
- 25 assistance and Mr. Rainkie's, we can try to be brief on

1372 this. But back in 2004, when the Board issued Order 101/04, which is found -- I'm going to page 135 of the book of documents -- there was information provided to the Board back in those days, Mr. Warden, respecting Manitoba Hydro's OM&A costs per customer, as well as that of BC Hydro. 7 I'm not sure if you have a specific recollection of that, but it is noted in the Board 9 order? 10 MR. VINCE WARDEN: Yes. 11 MR. BOB PETERS: And do you recall at -12 - at that time the OM&A per customer metric perhaps 13 showed BC Hydro in a more favourable position? 14 MR. VINCE WARDEN: Well, I -- I 15 believe, Mr. Peters, BC Hydro and Manitoba Hydro were 16 very closely -- very close at the time. Do you have the reference on that? 17 18 MR. BOB PETERS: I was looking on page 19 135 in the middle of the page. And it's underlined in the copy I inserted in the book of documents. 21 22 (BRIEF PAUSE) 23 24 MR. VINCE WARDEN: Yes, Mr. Peters, I 25 think there's probably a better reference elsewhere

- 1 that shows the actual tracking of Manitoba Hydro versus
- 2 -- versus other utilities, including BC Hydro.
- 3 MR. BOB PETERS: And if it's in the
- 4 book of documents, we'll hopefully come to it quickly.
- 5 MR. VINCE WARDEN: Okay.
- 6 MR. BOB PETERS: But if it's a
- 7 different document you're certainly welcome to provide
- 8 it to the Board. And this isn't meant to be a closed-
- 9 book exam.
- MR. VINCE WARDEN: Yeah, sure.
- 11 MR. BOB PETERS: If there's more
- 12 information, please -- please provide it, sir.
- MR. VINCE WARDEN: Sure. Thank you.
- 14 MR. BOB PETERS: The upshot of back in
- 15 2004, in terms of the Board's orders, was that a -- a
- 16 more detailed review of Manitoba Hydro's OM -- OM&A was
- 17 -- was going to be reviewed at subsequent hearings?
- 18 MR. VINCE WARDEN: Yes.
- 19 MR. DARREN RAINKIE: Mr. Peters, just
- 20 to jump in here on the BC Hydro situation, this is a --
- 21 a Board order going back to 2004. My recollection is
- 22 that rebuttal evidence that we filed at the 2008
- 23 hearing was that when you indexed it, that BC Hydro's
- 24 cost per customer was -- was going up at a much higher
- 25 rate than what Manitoba Hydro's was.

- I can't -- I don't have the -- the
- 2 absolute numbers, but we just have to remember this was
- 3 in 2004, this quote. And I think the evidence that we
- 4 produced in the 2008 material in the GRA said something
- 5 different. So, you know, times change depending on
- 6 decisions and -- and cost pressures, et cetera. And I
- 7 just have that in my mind, that it was a fairly
- 8 favourable comparison to Manitoba Hydro back in 2008.
- 9 MR. BOB PETERS: Thank you, Mr.
- 10 Rainkie. If that's something you want to research
- 11 further and provide to the Board, please do. My point
- 12 of raising it is that, as a starting point in any
- 13 event, the Board had an interest in a more detailed
- 14 review of Hydro's OM&A going back to perhaps 2004.
- MR. VINCE WARDEN: Agreed.
- 16 MR. BOB PETERS: And then the Board's
- 17 next review in Order 116/08, perhaps on page 137 of the
- 18 book of documents, the Board still had concerns about
- 19 cost control exercised by Manitoba Hydro in meeting the
- 20 financial targets.
- 21 MR. VINCE WARDEN: Yes, that concern
- 22 was expressed in the order.
- 23 MR. BOB PETERS: And also expressed in
- 24 the order on page 138 of the book of documents, second-
- 25 last paragraph, last sentence, was to the effect that

1375 an adequate peer review could assist Hydro in perhaps finding some efficiencies and making sure that its practices were best practices that would benefit its consumers? 5 6 (BRIEF PAUSE) MR. VINCE WARDEN: Yes, Mr. Peters. -- I see that, not necessarily accepting the Board's view on this; but I certainly accept their position. 10 11 12 (BRIEF PAUSE) 13 14 MR. BOB PETERS: And if we flip ahead to the Order 90/08, specifically on pages 142 and 143 15 of the book of documents, by the time that order was 17 issued, there had been no in-depth benchmarking 18 undertaken at that point in time, Mr. Warden? 19 MR. VINCE WARDEN: That's right. 20 MR. BOB PETERS: And at that point the 21 Board indicates that they weren't prepared to -- to 22 provide any directives relative to OM&A. 23 certainly, the -- the independent benchmarking was --24 was a concern for the Board? 25 MR. VINCE WARDEN: Yes, Mr. Peters.

- 1 The -- the Board was of the view that benchmarking
- 2 would be of some assistance. And Manitoba Hydro does
- 3 do periodic benchmarking with its peers on specific
- 4 areas. And what we do find, though, other utilities
- 5 are very reluctant to share information in a public
- 6 forum with respect to the results of those reviews. So
- 7 the benchmarking has severe limitations.
- 8 First of all, benchmarking is very
- 9 costly to perform. And to be able to compare between
- 10 utilities, there has to be a great deal of effort in
- 11 going -- goes into looking at such things as
- 12 organizational structure; Geography, for example, is --
- 13 affects -- certainly affects the comparisons between
- 14 utilities.
- So we -- Manitoba Hydro has consistently
- 16 expressed the view that benchmarking may have a place
- 17 and is -- in fact, we did agree that we would look at
- 18 it more closely after IFRS implementation. But we've -
- 19 we've all -- always said that we're -- we're
- 20 concerned about the cost of conducting a bench --
- 21 benchmarking exercise that would be meaningful.
- MR. BOB PETERS: You mention in your
- 23 answer, Mr. Warden, that Manitoba Hydro has conducted
- 24 benchmarking on some specific issues related to OM&A?
- MR. VINCE WARDEN: Yes. For example,

- 1 if we want -- we've looked fairly recently at our IT
- 2 costs and wanted to make sure that we were comparing
- 3 favourably at a high level compared to other utilities
- 4 in Canada. And we satisfied ourselves that, in fact,
- 5 within the very broad definitions that were assigned
- 6 for purposes of that study, we were, in fact, compared
- 7 quite favourably to other utilities.
- But even with this study, there's
- 9 reluctance -- in fact, flat -- outlight -- outright
- 10 refusal -- by the other utilities to share this study
- 11 in -- in a public forum for the reasons that they could
- 12 be very -- very well be identified, and they don't want
- 13 to com -- that comparison to be something that could
- 14 cause them issues with their regulators.
- So -- so there's -- there's all kinds of
- 16 problems with benchmarking that -- that we've -- have
- 17 led us to believe that -- and -- and it -- as a matter
- 18 of fact, Mr. Scott referred to this in his opening
- 19 remarks, and something that I 100 percent endorse, and
- 20 that is that internal benchmarking is -- is the best
- 21 way to go that is, compare yourself to yourself over
- 22 time.
- 23 MR. RAYMOND LAFOND: Can I interject
- 24 here? I -- I hear you, in terms of utilities being
- 25 reluctant to provide the information. But in a lot of

- 1 other sectors -- I'll use one, for example, healthcare
- 2 -- every major hospital across Canada knows what a cost
- 3 per weighted case is in each one (1) of these
- 4 hospitals. And it is -- I have to tell you this is
- 5 also very complex but it happens, and it is done, and
- 6 that information is shared with an interna -- with a
- 7 national institute.
- 8 So I'm wondering, why the reluctance in
- 9 -- with utilities while it's not with major hospitals
- 10 or, I would say, any -- or, just about any other --
- 11 other sector?
- 12 MR. VINCE WARDEN: Well, in the health
- 13 -- healthcare sector, and I -- and I don't know
- 14 anything about that, but there -- there may very well
- 15 be functions that are uniform between locations no
- 16 matter where they are and -- and it can be measurable.
- 17 But I know in the utility business, you
- 18 know, we talked a lot about water conditions and how
- 19 much that can affect our operations. So if we're
- 20 looking at a cost per customer, we have to factor out -
- 21 out water conditions; we have to -- we have to look
- 22 at whether or not we're purchasing power in any given
- 23 year. The density of the customer population that we
- 24 serve versus another -- another utility can have a very
- 25 significant impact on -- on those costs.

- 1 So we've never really been able to come
- 2 up with meaningful -- meaningful comparisons between
- 3 utilities. We -- actually we -- going back a number of
- 4 years, we participated with the Canadian Electrical
- 5 Association in a performance evaluation exercise that
- 6 we maintained for over a decade. And eventually we all
- 7 abandoned the exercise because we just were not getting
- 8 any value out of that -- that comparison.
- 9 One of the -- you know, as -- as a
- 10 result of the last round of negotiations with our
- 11 bargaining unit, we have agreed -- and this is -- this
- 12 is a part of our -- our contract with IBEW, is that we
- 13 will be doing a benchmarking exercise with other
- 14 utilities in Canada as to wage rates for specific
- 15 classifications within IBEW.
- 16 And we agreed on that going on a year
- 17 now, and we're still -- we're still not agreed with --
- 18 with the bargaining unit on the terms of reference for
- 19 -- for this study. That's just how difficult it is to
- 20 get agreement on how -- how a benchmarking study can be
- 21 conducted. And beyond that, getting other utilities to
- 22 participate in that is -- is going to be very
- 23 difficult.
- 24 And unless -- unless you have a
- 25 representation across Canada on such a -- such an

- 1 exercise, you know, the results can be very -- very
- 2 misleading because there's no doubt that Western utili
- 3 -- utilities pay their workers much higher than they do
- 4 in -- in Manitoba and -- and Eastern Canada.
- 5 MR. RAYMOND LAFOND: And I did not want
- 6 to change the line of thought in terms of O&M, but in
- 7 terms -- would that reasoning apply to cap -- major
- 8 capital costs where -- where -- generation power plant,
- 9 for instance, based on circumstances? For instance,
- 10 you -- I mean, you could tell whether it would be about
- 11 the same price or what the benchmark would be, in terms
- 12 of construction costs?
- MR. VINCE WARDEN: Well, you can get
- 14 kind of a rule of thumb comparison between a hydraulic
- 15 generating station installed in BC versus -- versus
- 16 Manitoba, in terms of cost per megawatt. But even
- 17 there, you know, the conditions can -- can greatly
- 18 influence that cost.
- 19 MR. RAYMOND LAFOND: I understand that
- 20 but it seems to me you need that kind of rationale or
- 21 basis in order to evaluate your contracts and your
- 22 estimated fees by your engineers, et cetera.
- 23 MR. VINCE WARDEN: And -- and we do.
- 24 We definitely do, do that, making provisions for local
- 25 circumstances.

- 1 CONTINUED BY MR. BOB PETERS:
- 2 MR. BOB PETERS: Is Manitoba Hydro
- 3 amenable to sharing its information with other
- 4 utilities on benchmarking issues, Mr. Warden?
- 5 MR. VINCE WARDEN: Well, we -- we
- 6 certainly share among -- amongst each other so we know
- 7 where -- where our peers stack up and we know where we
- 8 are. And if there's indications where there -- there
- 9 may be areas we can improve on, then that will be our
- 10 focus to try and imp -- implement those -- those
- 11 improvements. So, yes, we share amongst ourselves.
- MR. BOB PETERS: And you share on a
- 13 confidential basis only?
- 14 MR. VINCE WARDEN: That's right.
- MR. BOB PETERS: And so Manitoba Hydro
- 16 is no more willing to put its information public than -
- 17 than any of the others?
- 18 MR. VINCE WARDEN: Well, there'd be no
- 19 point in -- in putting our information public without -
- 20 without others to compare it to, because you wouldn't
- 21 be able to -- you know, unless you were just comparing
- 22 internally. So if you compared our -- our internal
- 23 statistics over time, that would be where the value
- 24 would be.
- 25 MR. BOB PETERS: Can that information

- 1 be disclosed by, instead of naming the other utilities,
- 2 just assigning a letter or a number to them?
- 3 MR. VINCE WARDEN: No, the utilities
- 4 would not agree to that.
- 5 MR. BOB PETERS: One of the points you
- 6 made was internal benchmarking. You compare yourself
- 7 to yourself. What does that exercise?
- MR. VINCE WARDEN: Well, I think it --
- 9 it -- what it does is show the year -- if you're
- 10 satisfied with a starting point or at least you re --
- 11 know what the starting point is, then you'll be able to
- 12 -- to determine what the -- whether the year-to-year
- 13 increases or decreases are reasonable relative to an
- 14 internal benchmark.
- 15 And I -- and even with the comparisons
- 16 we've done with other utilities in the past, the cost
- 17 per customer with BC Hydro, SaskPower, Hydro-Quebec, I
- 18 believe was in that comparison, we've always maintained
- 19 it's the slope of the line -- it's the slope of the
- 20 line that's important.
- 21 So if you look an increase year over
- 22 year for Manitoba Hydro for a period of 'X' number of
- 23 years, look at the slope of the line versus the slope
- 24 of the line for the other utilities and -- and look at
- 25 how we're trending versus ourselves ver -- versus other

- 1 utilities, in terms of a trend line.
- 2 But the absolute dollar -- dollar
- 3 comparisons are really quite meaningless because of the
- 4 factors I mentioned earlier.
- 5 MR. DARREN RAINKIE: Mr. Peters, I
- 6 would also add that divergence that we've seen in
- 7 financial reporting, some utilities go into US GAAP,
- 8 modified IFRS. IFRS has also been another difficult
- 9 issue, because it's even hard to -- to understand
- 10 others' financial results and what accounting policies
- 11 they've applied, because people are using different
- 12 frame -- accounting framework. So it's something that
- 13 was originally touted as improving comparability
- 14 amongst the utilities has actually led to the -- the
- 15 opposite result.
- 16 MR. BOB PETERS: So now you need a
- 17 forensic accountant to help sort out what the
- 18 comparisons are, Mr. -- Mr. Rainkie?
- 19 MR. DARREN RAINKIE: Well, I think it
- 20 goes to what Mr. Warden talked about a bit earlier, is
- 21 that to get any meaningful results you would have to go
- 22 to a huge amount of rigour and understand their --
- 23 their practices to a -- to the very detailed level.
- 24 It's very difficult and -- and very costly to do that -
- 25 that exercise, Mr. Peters.

- 1 MR. RAYMOND LAFOND: Can I -- I can
- 2 understand the -- the -- I guess, a reluctance by some
- 3 utilities to share the information and especially so
- 4 publicly, if I think of organizations like Fortis,
- 5 TransAlta, Anterra, whatever. But when it comes to
- 6 essentially monopolies like Manitoba Hydro and Quebec
- 7 Hydro, I have difficulty in understanding the
- 8 reluctance.
- 9 And I'll -- I'll give you an analogy. I
- 10 was CEO of an organization, a credit union. And the --
- 11 because the credit unions don't compete in one province
- 12 versus the other province, I could go, for instance, to
- 13 Quebec and get -- sit down for two (2) days and get
- 14 absolutely everything, all the information I wanted, to
- 15 start looking at what it would be to -- to be in such a
- 16 such a situation and why they could do this there and I
- 17 could not do it, et cetera.
- 18 MR. VINCE WARDEN: And I think if we
- 19 went to BC Hydro or Hydro Quebec and sat down with
- 20 them, they'd be willing to share information, as they
- 21 do. And we do get together with our peers occasionally
- 22 -- or, often, I should say. It's just when it comes to
- 23 sharing that information in a public forum, that's
- 24 where the difficulty arises.

- 1 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: In Board Order 99/11,
- 3 found on page 145 of the book of documents, the Board
- 4 noted that Manitoba Hydro uses a productivity factor
- 5 between a 1/2 and 1 percent.
- 6 Can you explain that, Mr. Rainkie or Mr.
- 7 Warden?
- MR. DARREN RAINKIE: Yes, Mr. Peters.
- 9 In our budgeting we recognize that costs, such as
- 10 labour and benefit costs, are -- are going up beyond
- 11 the -- the rate of inflation. But we build right into
- 12 our budgets a productivity factor so that the business
- 13 units are constantly looking for ways to deliver on
- 14 that productivity factor. And we expect them to find
- 15 innovative ways in the business to be able to meet
- 16 their budgets.
- 17 So while Mr. Thomson talked about, you
- 18 know, removing, you know, costs out of -- of -- based
- 19 on major initiatives out of the budgets, we tend to do
- 20 it every year by removing a certain productivity factor
- 21 and not allowing for any increases other than a 2
- 22 percent inflation.
- 23 MR. RAYMOND LAFOND: I -- I want to
- 24 continue on this line of thought. When the Canadian
- 25 dollar went up from sixty-three (63), sixty-five (65),

- 1 and sixty-seven (67) cents to par, or even a bit over
- 2 par, most companies had to -- and -- and who --
- 3 especially companies that were doing a substantial
- 4 portion of their volume in exports, had to radically
- 5 restructure, by different equipment, do all kinds of
- 6 things.
- 7 I wonder what Hydro does in that
- 8 respect, because increasing rates is -- is one way.
- 9 But how do you really adjust your costs to -- to be
- 10 able to compete in the export markets like other
- 11 private companies have had to do?
- 12 MR. VINCE WARDEN: The fact of the
- 13 matter is we have to keep the lights on. And that's
- 14 our -- our primary obligation to the consumers of
- 15 Manitoba. While there are some things we can do, like
- 16 restrict travel for example, that we talked about
- 17 earlier, in the overall scheme of things our -- our
- 18 major operating and administrative costs represent 77
- 19 percent of our total -- total costs.
- 20 And that's the people that are out there
- 21 working every day. When we get days like this, where
- 22 the -- get some icing on the lines, they're -- they're
- 23 out there rolling ice to make sure that the lights stay
- 24 on. And they quite often have to work around the clock
- 25 to do so.

- 1 So our costs -- even though we say we
- 2 have con -- control, some -- some control over our
- 3 operating and administrative expense, a lot of those
- 4 costs are fixed -- fixed in -- in order to do the
- 5 fundamental things that we do every day.
- 6 MR. RAYMOND LAFOND: I understand this.
- 7 On the other hand, some other corporations, as an
- 8 example, would get -- I mean Toyota Corporation -- to
- 9 come in and redo all their processes to see how they
- 10 could re-engineer -- not just cutting travel and that,
- 11 but really re-engineer -- the way you do things in
- 12 order to be more efficient.
- 13 Is this considered at some times?
- 14 MR. VINCE WARDEN: Well, we did tag --
- 15 tag on to the review the comprehensive review that was
- 16 done at BC Hydro. So when BC Hydro conducted their
- 17 review, we, of course, obtained a copy of their report
- 18 and went through that in great detail and looked at
- 19 things that they were doing where we could improve our
- 20 -- our operation. We presented a report to our audit
- 21 committee and our Board as to certain things that we
- 22 should investigate doing.
- 23 And we found out, in pursuing a lot of
- 24 those initiatives that BC Hydro has undertaken, that we
- 25 were, for the most part, already there. So there were

- 1 not a lot of efficiencies that we -- based on that
- 2 report, able to drive out of our system.
- Now, have we done the same thing that
- 4 they did with our operation? No, we -- no, we have
- 5 not. But we're -- based on that review, we are
- 6 confident that we are do -- operating in an efficient
- 7 way.

- 9 CONTINUED BY MR. PETERS:
- 10 MR. BOB PETERS: That report that you
- 11 mentioned, Mr. Warden, is available on the internet?
- MR. VINCE WARDEN: Yes. Yes, it is.
- MR. BOB PETERS: Could Manitoba Hydro
- 14 undertake to provide the Board with the link to the BC
- 15 Hydro review that was done by -- done by some deputy
- 16 ministers, or former deputy ministers? Is that the one
- 17 you're referring to?
- MR. VINCE WARDEN: Yes, it is. And as
- 19 a matter of fact we might even take it a step further
- 20  $\,$  in that and provide a copy of the report that we --
- 21 Manitoba Hydro prepared as a result of that report, and
- 22 with an indication of the initiatives that we
- 23 undertook.
- MR. BOB PETERS: And that's
- 25 appreciated. So in addition to the BC Hydro report, at

1389 least a link to it at least, you'll provide copies of the Manitoba Hydro initiative taken in response to what happened in the BC Hydro review? 3 MR. VINCE WARDEN: 4 Yes. 5 MR. BOB PETERS: Thank you, Mr. Warden. 6 7 --- UNDERTAKING NO. 27: Manitoba Hydro to provide a 8 link to the BC Hydro report 9 and copies of the Manitoba 10 Hydro initiative taken in 11 response to what happened 12 in the BC Hydro review 13 14 That isn't -- I've THE CHAIRPERSON: 15 read that report. At least I've read the summary of 16 the report, and it's not quite the same thing, I think, as what Monsieur Lafond was talking about. And I'll 17 18 cite a local example. St. Boniface Hospital has a lean 19 processing -- lean manufacturing process in place, where basically they are taking steps to re-21 manufacture, if you wish, the -- the service delivery 22 in the hospital with -- with a fair amount of success. 23 And Raymond can testify to that, because he was closely 24 involved with working with St. Boniface Hospital. 25 But in any case, the -- the point -- the

- 1 point here is that -- I -- I guess the question is:
- 2 Have you ever contemplated sort of addressing the re-
- 3 engineering of your processes as a means of -- as a
- 4 means of effecting significant change to -- to the way
- 5 in which you deliver services. And it's -- if properly
- 6 done, it has the impact of improving service delivery
- 7 but also reducing costs and making life easier for
- 8 employees who are doing the work.
- 9 So I guess the question is more
- 10 generally: Have you ever thought of that? Have you
- 11 ever considered that as part of your internal strategic
- 12 plans?
- MR. VINCE WARDEN: We have definitely
- 14 thought of that. And, as a matter of fact, I think Mr.
- 15 Thomson also referred to that in his opening remarks
- 16 and that if we are going to make any drastic changes in
- 17 our cost structure, it will affect service.
- So, for example, we currently have
- 19 seventy (70) district offices located throughout the
- 20 Province of Manitoba, and they're costly. They're
- 21 costly to maintain. But they're such an integral part
- 22 of every community that they're in. Any time we -- we
- 23 even hint at closing a district office, we get
- 24 tremendous backlash not only from the local municipal
- 25 government, but also from the residents in those

- 1 communities.
- 2 So are there more efficient ways to
- 3 deliver costs throughout the province? I -- I -- yes,
- 4 absolutely, there are. But it would have a dramatic
- 5 impact on the services that we provide to our
- 6 customers.
- 7 MR. DARREN RAINKIE: Just one (1) other
- 8 thought. I wouldn't want to leave the impression that
- 9 we're not constantly looking for improvements in our
- 10 processes, because it's just the opposite.
- I mean, the way that the business units
- 12 are able to deliver on our targets net of a
- 13 productivity factor is by looking at more efficient
- 14 ways of operating. And throughout the material, we
- 15 provided examples like the mobile workforce management
- 16 project. And there was one question that asked, Could
- 17 you list all of our IT, you know, expenditures over the
- 18 last three (3) to five (5) years I think it was. And
- 19 it went on for pages.
- 20 So -- so, you know, there -- we -- it's
- 21 not that we're doing nothing. I think Mr. Thomson
- 22 talked about taking it to another level and looking at,
- 23 you know, our core business and -- and what cut -- what
- 24 stakeholders, as he said, wanted, but recognizing, as
- 25 Mr. Warden said, that if he started to cut those then

- 1 the stakeholders might not appreciate that, so.
- 2 But we shouldn't leave the impression
- 3 that -- that we're not constantly, at Manitoba Hydro,
- 4 looking at better ways of doing things, because we are.
- 5 And I think the record shows that.
- 6 MR. RAYMOND LAFOND: But I -- I think
- 7 in -- in my line of questioning, and certainly in the
- 8 Chair's question, because he did say -- indicate that
- 9 it's not an issue of reducing the service to the
- 10 customers. Very often, by re-engineering, you even
- 11 increase the service the customer, a better service at
- 12 less cost. And sometimes that involves capital
- 13 equipment like, you know, electronic digital metres or
- 14 things like that. But it is possible, when you really
- 15 start looking at it and, therefore, reduce over the
- 16 long term.
- 17 Now, for instance, I'm sure you had some
- 18 benchmarks within. And I'll give you an example.
- 19 Recently, someone tells me that in Winnipeg to buy --
- 20 to build an office tower of, let's say, forty (40)
- 21 stories or fifty (50) stories, whatever the number, it
- 22 would cost at least 15 percent more than in Toronto,
- 23 including the purchase of the land. So why is this?
- 24 Because there are no -- there's not a series of major
- 25 contractors to do these projects, and we don't have

- 1 five (5) of these towers going on all the time and when
- 2 one is over, there's a crew available for the next one.
- 3 And I'm wondering if you have these
- 4 types of benchmarks, for instance, for your capital
- 5 project, for -- they're major. And I doubt that any
- 6 one (1) contractor can assume it all. And -- and I
- 7 don't know if you're in the type of market to be able
- 8 to attract them.
- 9 But would you know, for instance,
- 10 internally, Well, in our case, it costs 20 percent more
- 11 to do such because of their circumstances, or not?
- MR. VINCE WARDEN: We have a very
- 13 competitive bid processes on -- on contracts or lit --
- 14 let, for -- for example, for trenching -- trenching to
- 15 -- for underground cable installations. We found
- 16 ourselves in this situation a number of years ago where
- 17 -- where we didn't feel it was competitive enough, so
- 18 we broke our contracts down into a number of small
- 19 parcels such that it encouraged more small contractors
- 20 to get into the business. So now, today, there's a
- 21 very active, competitive market out there for our
- 22 trenching contracts. And I think when we recognize
- 23 such things, we take action to make sure that we are
- 24 keeping that market as competitive as -- as possible.
- 25 I'm glad you raised the office tower,

- 1 though, because I think Manitoba Hydro's new head
- 2 office is probably the -- the perfect example of
- 3 innovation across North America. We are -- that office
- 4 tower was built with a premium -- with a premium of
- 5 about 15 percent to make it as energy efficient as it
- 6 is. But we anticipated reducing our -- our costs of
- 7 operations, our -- our energy costs, by about 65
- 8 percent. In fact, we're tracking better than that.
- 9 So I think it is a model that others
- 10 aspire to in -- in terms of office towers for the
- 11 future. But that's just one (1) example. I think
- 12 there's other -- other things where people come to
- 13 Manitoba Hydro to -- to look at best practices, and we
- 14 do consider ourselves to be in that -- in that league
- 15 of best -- best practices.
- 16 MR. RAYMOND LAFOND: But very
- 17 specifically, in terms of the example of trenching, you
- 18 looked another -- at another method of proceeding. I -
- 19 I guess the reason for this is because you had some -
- 20 you could talk to, for instance, BC Hydro or Quebec
- 21 Hydro and -- and know that trenching generally is such-
- 22 and-such a price, and our prices are coming in way to
- 23 high, so we have to find another ways of doing it.
- 24 There's -- like in other words, what --
- 25 what created that instance where all of a sudden you

1395 talked -- you -- you thought it was too expensive? 2 MR. BYRON WILLIAMS: Well, in that particular instance we knew what could -- what our own costs are. So we're not -- for the most part we do contract out our trenching, but we do some of it ourselves. So we compare it to our own costs, and we're recognizing that we could do it at a price less 7 expensive than contracts. So that's what instigated the review that we undertook to encourage -- encourage 10 more competition in that marketplace. 11 12 (BRIEF PAUSE) 13 14 CONTINUED BY MR. BOB PETERS: 15 MR. BOB PETERS: Mr. Warden, in your 16 last answer to Board member Lafond, you indicated that 17 the operating costs of your new tower were 65 percent 18 lower than what they were on your Taylor Avenue 19 property? 20 MR. VINCE WARDEN: The energy cost 21 compare -- compared to a new office tower being built 22 So compared to a -- to a standard, the -today. 23 Manitoba Hydro's costs of energy are 65 percent lower 24 than the standard. They'd be probably many times more

than that compared to 820 Taylor; 820 Taylor,

1396 unfortunately, is at the other extreme. 2 MR. BOB PETERS: Maybe you could -would you agree to undertake to file the -- the energy or the operating costs reductions that you referred the Board member to? 6 MR. VINCE WARDEN: Yes. Yes, I can do 7 that. 8 9 --- UNDERTAKING NO. 28: Manitoba Hydro to file the 10 operating costs reductions 11 with regard to the new 12 office building 13 14 CONTINUED BY MR. BOB PETERS: 15 MR. BOB PETERS: Thank you, sir. Back with the Board's previous orders, and I'm up to page 147 in the book of documents, just below halfway in the 17 18 -- on the page. 19 Here's an indication that Manitoba Hydro has asked the Board to defer the benchmarking studies 21 until after IFRS is -- is implemented, correct? 22 MR. VINCE WARDEN: Yes. 23 MR. BOB PETERS: And because IFRS has 24 been adjourned or postponed at least three (3) times,

this study and the terms of reference for this study

1397 have likewise been -- been pushed back a few times? 2 MR. VINCE WARDEN: That's right, Mr. Peters. But as you can probably conclude from previous remarks, we're not optimistic what we're going to -what we're going to achieve out of the benchmarking 6 study. 7 MR. BOB PETERS: And that's probably where I was going to head in light of Mr. Rainkie's answer, as well, that -- I take from your answer, yes, 10 you can do it because you've got to try to get it apples to apples, in my words. But it's going to take 11 12 some time and some money to do that. 13 MR. VINCE WARDEN: Significant --14 significant investment of time, resources, money, yes. 15 MR. BOB PETERS: And what's the dollar value? Have you put a dollar value on that, or have 16 17 you given -- given your thought to that? 18 MR. VINCE WARDEN: Not at this time, 19 no. 20 MR. BOB PETERS: Okay. 21 22 (BRIEF PAUSE) 23 24 MR. BOB PETERS: Moving ahead to Order 5/12, and moving up to page 151 of the book of

1398 documents. Near the bottom of the page on 151, PUB Exhibit 14, the Board comments that it was convin -- it is convinced that the: 3 "Both the province and the ratepayers 5 will benefit from the development of 6 an appropriate metrics to assess the reasonableness of the level of current and future OM&M (sic) 9 expenditures in advance and 10 particularly because of the proposed 11 major capital expansion projects." 12 Does Manitoba Hydro share that view? 13 MR. VINCE WARDEN: Yes, Mr. Peters. 14 And I -- I don't want to give the impression that we 15 don't believe in measurements and metrics. We -- we 16 absolutely do. We have to have the -- the metrics in 17 order to make sure that we're putting our resources 18 where they most importantly belong. 19 And one of the priorities of our new president is to go through a strategic planning 21 exercise to make sure that we are focussing on the 22 right things. So I think that probably comes first, to 23 make sure we go through a -- a planning exercise to 24 identify those issues of highest priority to the Corporation and then measure it to make sure we're

- 1 getting there. So set up some appropriate measures to
- 2 make sure we track towards achievement of those goals.
- 3 But that exercise that Mr. Thomson referred to has to
- 4 come first, in my view.
- 5 MR. BOB PETERS: Has Manitoba Hydro
- 6 determined the timeline it's going to need for that
- 7 strategic internal review, Mr. Warden?
- 8 MR. VINCE WARDEN: Well, it is a
- 9 priority, I know, a priority of Mr. Thomson. And he is
- 10 initiating that pretty much as we speak. So, yes, it
- 11 is -- it will be conducted over the next several
- 12 months.
- MR. BOB PETERS: And what metrics are
- 14 going to be measured or tested in that review?
- MR. VINCE WARDEN: Well, I think the
- 16 metrics will come out of that review. So determine
- 17 what the priorities are, set up the appropriate
- 18 measures to make sure we're tracking towards the
- 19 achievement of those priorities.
- 20 MR. BOB PETERS: Is that something that
- 21 you expect you'll be able to file with the Board when
- 22 complete?
- 23 MR. VINCE WARDEN: Oh, absolutely.
- 24 Yes, I do.
- MR. BOB PETERS: Not only the Manitoba

- 1 Hydro Board, but this Board?
- MR. VINCE WARDEN: Yes.
- 3 MR. BOB PETERS: Is the internal review
- 4 and strategic planning going to be done through the
- 5 services of an independent consultant?
- 6 MR. VINCE WARDEN: I'm not totally sure
- 7 of that, whether Mr. Thomson plans on engaging external
- 8 assistance with this or not. He hasn't really confided
- 9 that yet.
- 10 MR. BOB PETERS: Mr. Warden, in light
- 11 of the comments from yourself and Mr. Rainkie in the
- 12 last few minutes to the Board, you explain all of those
- 13 steps that Manitoba Hydro is taking and their concerns.
- 14 And yet the Board will see on page 156 of the book of
- 15 documents that even in light of that mind-set, your now
- 16 former president, Mr. Brennan, issued a memo on March
- 17 19th of 2009, where he raised concerns about OM&A
- 18 expense increasing at approximately -- or over the 8
- 19 percent level -- over 8 percent of the corporate level.
- 20
- Do you recall that?
- MR. VINCE WARDEN: Yes, I -- I do, Mr.
- 23 Peters. And Mr. Brennan, though, did go on to say that
- 24 he was aware of the increasing cost pressures in the
- 25 second paragraph. And I -- I won't read it, but I --

1401 he -- he listed all of the things that Manitoba Hydro was encountering, in terms of the increasing cost pressures. And those -- those are real. 3 And what his main message here was he expects the business units to be on budget. So that's not to say those budgets won't be higher, but he -- he wanted to make sure that the senior management was aware that they had to meet budgets. 9 MR. BOB PETERS: Has the current 10 president issues similar memos related to OM&A expense? 11 MR. VINCE WARDEN: No, but that doesn't 12 mean that the message hasn't been delivered. We 13 certainly talk about this a lot at our executive 14 meetings and -- and elsewhere. We're -- every level of 15 management is trying to wring as much cost savings as 16 possible out of the operation. 17 18 (BRIEF PAUSE) 19 20 MR. BOB PETERS: Mr. Brennan's memo was 21 two (2) weeks before the fiscal year end? 22 MR. VINCE WARDEN: Yes, March 19th, I 23 see that. 24 MR. BOB PETERS: And so the eleven (11)

month numbers presumably showed OM&A increases of over

1402 8 percent. Is that what one concludes? 2 MR. VINCE WARDEN: Yes, but again, it wasn't -- his focus was not intended to be so much at -- on the year-over-year increase, but more so to -- to be vigilant in -- in terms of meeting budgets. 6 MR. BOB PETERS: Two (2) weeks left to meet the budget; is there much that can be done in that 7 time period? 9 MR. VINCE WARDEN: Well, I -- I think 10 he was not only referring to the -- the current fiscal year, but the upcoming fiscal year. And -- and as a 11 12 matter of fact, in the third paragraph he -- he does reference that. 13 14 15 (BRIEF PAUSE) 16 17 MR. BOB PETERS: If we take the next 18 document, on page 157, it's a -- it's six (6) weeks 19 later the president sends out a further reminder memo, 20 if I may, for fiscal 2010? 21 MR. VINCE WARDEN: Yes. 22 MR. BOB PETERS: And in this case the 23 president goes a bit further and enacts travel 24 restrictions as well as promotion expense restrictions? 25 MR. VINCE WARDEN: That's right.

- 1 MR. BOB PETERS: But when the Board
- 2 looks at the 2010 budget for OM&A, it was set at
- 3 approximately 3 1/2 percent higher than the actual
- 4 results for 2009, Mr. Warden.
- 5 Do you recall that being the case?
- 6 MR. VINCE WARDEN: Yes.
- 7 MR. BOB PETERS: And so if we turn to
- 8 page 158, the president is saying for 2009 the
- 9 preliminary indication is a 7.2 percent increase in
- 10 OM&A, correct?
- 11 MR. VINCE WARDEN: Yes. Sorry, just to
- 12 be clear, that's at the business unit level and that
- 13 doesn't necessarily translate into the net OM&A after
- 14 allocations to capital.
- 15 MR. BOB PETERS: Right. We'll -- we'll
- 16 come to that, Mr. Warden. And then in addition to that
- 17 increase, the budget for the next year was actually set
- 18 3 1/2 percent higher than what 2009 came in at on a
- 19 business unit level?
- 20 MR. VINCE WARDEN: Yes. And I think
- 21 there's a brief explanation as to why that -- why that
- 22 occurred.
- 23 MR. BOB PETERS: You're referring to
- 24 the explanation on page 159, sir?
- MR. VINCE WARDEN: Yes, I am.

1404 (BRIEF PAUSE) 1 2 3 MR. BOB PETERS: And can we see from this information -- well, in addition to this information, that even though the fiscal 2010 budget was 3 1/2 percent higher than 2009 actuals, the results 7 for 2010 I think came in as much as 5.7 percent higher than the 2009 actuals. 9 Is that your recollection? 10 MR. VINCE WARDEN: I think if we refer 11 to page 19 in Exhibit 15, the actuals for 2009/'10 came 12 in at 4.28 percent over '08/'09. 13 MR. BOB PETERS: Which page? 14 MR. VINCE WARDEN: Oh, I'm sorry, page 15 -- page 19 of that document. 16 And even in that year, I think I indicated earlier, that that increase was at least in 17 18 part due to the -- the strike that we had in the -- in the fall, the strike with our bargaining unit -- major bargaining unit in the fall of 2009, which increased 21 costs by some \$6 million. 22 23 (BRIEF PAUSE) 24 25 MR. DARREN RAINKIE: Mr. -- Mr. Peters,

- 1 just to add to that, we filed that information as part
- 2 of PUB MH-159D. And -- and you'll recall that there
- 3 were also costs related to the KPMG risk management
- 4 review, as well. I think those two (2) points are
- 5 probably the -- the biggest reason for that increase;
- 6 the two (2) points being the strike and the KPMG
- 7 review.
- MR. BOB PETERS: Thank you, Mr.
- 9 Rainkie. By August of 2010, which is Manitoba Hydro's
- 10 fiscal 2011 year, Manitoba Hydro's president issues a
- 11 third memo on OM&A, dated August 13th, Mr. Warden?
- MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: And it's found at page
- 14 162 of the book of documents.
- MR. VINCE WARDEN: Yes, I see that.
- 16 MR. BOB PETERS: And in this memo,
- 17 additional cost constraint measures were -- were
- 18 implemented or imposed?
- MR. VINCE WARDEN: Yes.
- 20 MR. BOB PETERS: And that is the
- 21 restriction on non-essential travel, which -- do I
- 22 understand correctly remains to this day?
- 23 MR. VINCE WARDEN: Yes, it does.
- 24 MR. BOB PETERS: And there was a freeze
- 25 on filling vacant staff positions. Does that exist to

- 1 this day?
- MR. VINCE WARDEN: Yeah. You know, I
- 3 probably wouldn't describe it as a freeze. It's a
- 4 restriction on the filling of vacant staff position,
- 5 because there are a number of vacancies that simply
- 6 cannot be left unfilled.
- 7 MR. BOB PETERS: Likewise, a reduction
- 8 in overtime costs was targeted by the former president?
- 9 MR. VINCE WARDEN: Yes.
- 10 MR. BOB PETERS: And a potential freeze
- 11 on executive and management salaries is also mentioned.
- 12 Did that happen?
- MR. VINCE WARDEN: Well, management and
- 14 executive salaries were subject to the same two (2)
- 15 years of zero percent increases, or zero percent no
- 16 increases, that all of the bargaining unit employees
- 17 were subject to.
- 18 THE CHAIRPERSON: I'm sorry, zero
- 19 percent for two (2) years? Which two (2) years and
- 20 which staff?
- 21 MR. VINCE WARDEN: Yes, it was all
- 22 staff. Zero percent -- just -- if you just give me one
- 23 (1) minute I'll confirm the -- the time-frame. Just
- 24 one (1) second.

1407 (BRIEF PAUSE) 1 2 3 MR. VINCE WARDEN: So increases that normally would have been awarded January the 1st, 2010, were zero for that year, and a further zero is part of the recent negotiations that were just concluded with IBEW. So that zero will be for 2013, the current 7 fiscal -- or the -- or the -- effective January the 1st, 2013, the -- there'll be a zero for that year, which we'll apply to all bargaining units and 10 11 management and executive staff. 12 13 CONTINUED BY MR. BOB PETERS: 14 MR. BOB PETERS: And what of the intervening years, Mr. Warden; January 1st, 2011? 15 16 MR. VINCE WARDEN: January the 1st, 2011, there was a 2.5 percent general increase. 17 18 January the 1st, 2012, was a 2.5 percent general increase. And no increases until January the 1st, 20 2014. 21 MR. BOB PETERS: Of how much on that 22 date? 23 MR. VINCE WARDEN: According to what 24 has been negotiated with IBEW, our largest bargaining unit, January the 1st, 2014, is 2.75 percent; and a

1408 further 2.75 percent effective January the 1st, 2015. MR. BOB PETERS: Would it be correct to 2 assume that those same percentages were afforded to 3 management and executives, as well? 5 MR. VINCE WARDEN: Well, with respect to the last agreement that I just referenced with IBEW we are just currently embarking on negotiations with 7 the other bargaining units, that being CUPE, Canadian Union of Public Employees; our gas workers, Canadian --CEP; and -- and the association of staff and 10 supervisory employees. 11 12 So those -- those three (3) bargaining 13 units have not concluded negotiations yet. 14 15 (BRIEF PAUSE) 16 17 MR. RAYMOND LAFOND: Mr. Peters, before 18 we move to the next tab, on page 164, "Capital 19 Rationalization, "third line, we say: "Will require debt financing regular 20 21 or base capital." 22 What is your definition of "base 23 capital"? 24 MR. VINCE WARDEN: So we identify all of our major new generation and construction, and we

- 1 have approximately fifteen (15) projects that fall into
- 2 that category, including such projects as Wuskwatim,
- 3 Keeyask, Conawapa, Bipole 3, the Pointe du Bois. So
- 4 those are -- those are -- are what we call major new
- 5 generation and transmission. All other capital is
- 6 referred to as base capital.
- 7 MR. RAYMOND LAFOND: Give me some
- 8 examples of the major ones.
- 9 MR. VINCE WARDEN: Of the base capital?
- MR. RAYMOND LAFOND: Yes.
- MR. VINCE WARDEN: Well, we would have
- 12 station upgrades, upgrades to distribution stations, or
- 13 -- or some of our generating stations, as well. If
- 14 they're just upgrades, or not just -- I should -- I
- 15 shouldn't say just, some of them are quite major, but
- 16 upgrades to existing generation, transmission,
- 17 distribution lines, customer service. A big portion of
- 18 the base capital is new service extensions to
- 19 customers.
- 20 MR. RAYMOND LAFOND: So, for instance,
- 21 Pointe du Bois is base capital because it is not
- 22 additional?
- 23 MR. VINCE WARDEN: No. Pointe --
- 24 Pointe du Bois was identified as a major new generation
- 25 and -- and construction. Just mainly because of the

- 1 magnitude of the -- of the expenditure.
- 2 An expenditures of that size would
- 3 distort our base capital. We try to -- try to keep our
- 4 base capital in the order of \$500 million per year, and
- 5 all other major new generation. So Pointe du Bois was
- 6 put in with major new generation and transmission for
- 7 that reason.
- 8 MR. RAYMOND LAFOND: So there's no
- 9 precise definition? It's -- like for instance, the new
- 10 office building would have been a new generation?
- 11 MR. VINCE WARDEN: Actually it was,
- 12 yes. We -- we made an exception for the new off --
- 13 even though it's not new generation and transmission,
- 14 we did include that as a separate line item within that
- 15 category. So, as again, because of the magnitude of
- 16 the expenditure not -- so as to not distort our base
- 17 capital.
- MR. RAYMOND LAFOND: So, essentially,
- 19 the -- whether or not you put it into one (1) category
- 20 or the other is really the size of the expense.
- 21 MR. VINCE WARDEN: Essentially. Some
- 22 judgment involved in that, as well, because there are
- 23 some fairly major capital expenditures in base capital,
- 24 as well.
- MR. RAYMOND LAFOND: Who makes that

1411 decision? 2 MR. VINCE WARDEN: The executive committee ultimately would make that decision. 3 4 MR. RAYMOND LAFOND: Thank you. 5 6 (BRIEF PAUSE) MR. VINCE WARDEN: Mr. Lafond, I might just -- for your further information, if you'd like to refer to that specifically, the listing of major new 10 generation and transmission and what's included in base 11 12 capital, if you refer to Manitoba Hydro's IFF12, there 13 is a tab in there for the capital expenditure forecast 14 at page 29. I have it. 15 MR. RAYMOND LAFOND: 16 MR. VINCE WARDEN: So that first page 17 lists all of the major new generation and transmission, 18 and then the subsequent four (4), five (5), six (6), 19 seven (7) pages lists all of the -- what would be classified as base capital. 21 22 CONTINUED BY MR. BOB PETERS: 23 MR. BOB PETERS: Mr. Warden, while I'm 24 on that point, would it -- would a distinction also be 25 that major capital projects are designed to provide

- 1 additional resources over and above what Manitoba Hydro
- 2 already has in terms of generation?
- 3 MR. VINCE WARDEN: Well, with the
- 4 exception we just noted; the new head office was an
- 5 exception, the Pointe du Bois is an exception.
- 6 MR. BOB PETERS: But the general -- the
- 7 general principle is that if -- if the resource brings
- 8 in new hydraulic generation, or, I suppose, thermal
- 9 generation, it becomes a major capital project.
- 10 Whereas, if it's repair, maintenance, or upgrades on
- 11 existing that doesn't enhance the energy capabilities,
- 12 then it -- it has to -- it's generally slotted into
- 13 base capital?
- 14 MR. VINCE WARDEN: Generally speaking,
- 15 that's true. We use base capital and sustaining
- 16 capital as somewhat interchangeable terms, so yes, that
- 17 -- that would be consistent with what -- what you just
- 18 said.
- 19 MR. BOB PETERS: Mr. Warden, perhaps,
- 20 following on some of the discussion you've had with the
- 21 panel, was it contemplated by Manitoba Hydro that if
- 22 Manitoba Hydro achieved a capital structure of 25
- 23 percent equity and then didn't have any major capital
- 24 plans, it could envision rate increases being tied to
- 25 inflation, or approximately inflation?

- 1 MR. VINCE WARDEN: Well, I think our
- 2 rate increases have been -- if you look at it over the
- 3 past twenty (20) years for sure -- they're
- 4 approximately equal to rate of inflation over that
- 5 period of time. So our -- our goal is always to have
- 6 rate increases or rate change that are closely aligned
- 7 with the rates of inflation.
- 8 But with respect to the achievement of
- 9 our long sought after debt-equity target, yes, that was
- 10 the thought: If we -- if we reach that target, we, in
- 11 effect, have covered for the majority of -- covered the
- 12 majority of our risks. There would be no need for rate
- 13 increases beyond that -- beyond that point other than
- 14 to maintain the -- the debt-equity level. Not ignoring
- 15 the other targets, though. We have to keep in mind
- 16 that we also have targets for interest coverage and
- 17 capital coverage, as well.
- MR. BOB PETERS: And do you agree that
- 19 inflation really on -- only impacts on the OM&A expense
- 20 line item on the IFF, as opposed to the other expense
- 21 items?
- MR. VINCE WARDEN: No, not really.
- 23 Inflation has a direct impact on the state of the -- or
- 24 is a reflection of the state of the economy, which has
- 25 a direct linkage to interest rates that we -- that we

- 1 pay as well. So -- so no, it's -- it's not only OM&A
- 2 that is affected by inflation.
- 3 MR. BOB PETERS: But your finance
- 4 expense doesn't fluctuate annually by the rate of
- 5 inflation, does it?
- 6 MR. VINCE WARDEN: No, it doesn't. But
- 7 over the long-term there's a linkage between the --
- 8 between the two (2).
- 9 MR. BOB PETERS: Over the long-term,
- 10 the new rates at which you negotiate your debt will
- 11 have some inflation factor built into them?
- MR. VINCE WARDEN: Yes. And the short-
- 13 term debt is more so affected by -- by inflationary
- 14 factors; things that are going on in the marketplace
- 15 that affect our -- our short-term debt. And we try to
- 16 maintain our -- our floating-rate debt at approximately
- 17 20 percent of our total debt, so it's going to be
- 18 affected by short-term events, and -- and inflation
- 19 being one of those.
- 20 MR. BOB PETERS: And, Mr. Warden, you
- 21 told the Board that if you go back twenty (20) years
- 22 and look at inflation compared to the rate increases
- 23 you've recovered, you might be closely aligned to
- 24 inflation; is what I took from one (1) of your answers
- 25 just a few minutes ago?

- 1 MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: What that brings into
- 3 play is that, I suppose, in the 1990s you've mentioned
- 4 that there were periods of time when no rate increases
- 5 were sought by the Corporation?
- 6 MR. VINCE WARDEN: That's right.
- 7 MR. BOB PETERS: And that as mandated
- 8 by the province?
- 9 MR. VINCE WARDEN: No, no. That was a
- 10 decision of the Board of -- of Manitoba Hydro. There
- 11 was a period, if you go back even further in history,
- 12 there was a -- a rate freeze mandated by the -- by the
- 13 province. But that's going way back into -- into the
- 14 '70s.
- MR. BOB PETERS: So somebody told you
- 16 about it? But, Mr. -- Mr. Warden, my serious point of
- 17 getting there is, the fact that Manitoba Hydro had no
- 18 rate increases in some years back in the '90s isn't
- 19 relevant to today's situation, is it, because once you
- 20 get to 75:25 you've met your target?
- 21 MR. VINCE WARDEN: Not necessarily
- 22 relevant to -- to today's situation. But I think I was
- 23 just responding to your question as to whether or not
- 24 it was a long-term goal of rates to be -- rate
- 25 increases to be aligned with inflation.

- 1 MR. BOB PETERS: How fast, or how
- 2 slowly, Manitoba Hydro got to their -- their debt-
- 3 equity target, the fact is Manitoba Hydro is there?
- 4 MR. VINCE WARDEN: Yes.
- 5 MR. BOB PETERS: And maybe help me
- 6 mathematically with this, but the base rates are
- 7 exactly where they would have ended up, even if there
- 8 were rate increases in the 1990s, if the 75:25 debt-
- 9 equity target was the target?
- 10 MR. VINCE WARDEN: Well, yeah, I -- I
- 11 can agree with that. If we -- if we had rate increases
- 12 that were exactly equal with the rate of inflation over
- 13 that twenty (20) year period, base rates that we see
- 14 today would be approximately equal to where they are,
- 15 yes.
- 16 MR. BOB PETERS: What we do know from
- 17 earlier discussion in this hearing, is that in some of
- 18 the years leading up to Manitoba Hydro achieving its
- 19 debt-equity target, the rate increases were
- 20 considerably higher than inflation.
- MR. VINCE WARDEN: Yes, there were a
- 22 couple of years in which there were 5 percent rate
- 23 increases.
- 24 MR. BOB PETERS: And we know that since
- 25 2008, when Manitoba Hydro did achieve its debt-equity

- 1 target of 75:25, rate increases have exceeded
- 2 inflation?
- 3 MR. VINCE WARDEN: Yes.
- 4 MR. BOB PETERS: And we also know from
- 5 your IFF12 that was marked as Manitoba Hydro Exhibit 9
- 6 in these proceedings, that for the next eighteen (18)
- 7 years after these two (2) test years, and I guess even
- 8 including these two (2) test years, so the next twenty
- 9 (20) years, the rate increases are forecast to be at
- 10 least twice inflation?
- MR. VINCE WARDEN: Well, you did say
- 12 forecast. And -- and we have to keep that it mind,
- 13 that it is just a forecast at this point in time and it
- 14 will be updated annually as conditions change, as we
- 15 know they will. It's only an indication,
- 16 directionally, at this -- at this stage. We're only
- 17 asking -- as you know, only asking for the 3.5 percent
- 18 effective April the 1st, 2013.
- 19 MR. BOB PETERS: No, I have your point,
- 20 Mr. Warden. But then forecast forward, Manitoba Hydro
- 21 has downgraded its inflation forecast from 2 percent;
- 22 it brings it down to more like one point seven (1.7) or
- 23 one point nine (1.9) in most years?
- MR. VINCE WARDEN: Yes.
- 25 MR. BOB PETERS: And so the rate

- 1 increase is 3.95 percent?
- MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: As opposed to 4
- 4 percent? Is that just an optics, or is that a
- 5 mathematical calculation?
- 6 MR. VINCE WARDEN: No, no, it is a
- 7 mathematical calculation. That is their equal annual
- 8 rate increase required to get back to our 75:25 target
- 9 by the end of the forecast period, by the end of that
- 10 twenty (20) year period.
- MR. BOB PETERS: I just can't recall
- 12 there being rate increases to the second decimal, but
- 13 I'm sure there have been, but I've just forgotten them
- 14 as I sit here. But --
- MR. VINCE WARDEN: Yes, yes, there have
- 16 been, actually.
- 17 MR. BOB PETERS: Jumping ahead, but
- 18 perhaps it's germane to the Board at this point in
- 19 time, and, Mr. Rainkie, you will discuss with the
- 20 Board, perhaps even later this afternoon, Manitoba
- 21 Hydro is proposing to -- to write off against retained
- 22 earnings rate regulated assets that are at least \$225
- 23 million in value?
- 24 MR. DARREN RAINKIE: Mr. Peters, just
- 25 to be clear, we're not proposing if something doesn't

- 1 change in the standards, or an interim standard
- 2 permitting rate regulated accounting isn't issued; we
- 3 will have to. It's not an election by Manitoba Hydro.
- 4 MR. BOB PETERS: Okay. We'll discuss
- 5 that further, Mr. Rainkie, but I've got your attention.
- 6 The -- the point you're telling the Board is two
- 7 hundred and twenty-five dollars (\$225) of rate
- 8 regulated assets are included in the new IFF12 as being
- 9 written off in -- not in the test years anymore, but
- 10 the year following the test years?
- 11 MR. DARREN RAINKIE: If it were only
- 12 two hundred and twenty-five dollars (\$225). I think
- 13 you have to put a million --
- 14 MR. BOB PETERS: Is that what I said?
- 15 MR. DARREN RAINKIE: -- a million
- 16 behind that, Mr. Peters. Perhaps, some other
- 17 observations on -- on your line of questioning because
- 18 I'm not quite sure what your theory is on a go-forward
- 19 basis, but when we -- when we think about the goal of
- 20 having rate increases and inflation we have to remember
- 21 about two (2) other things. One (1) is the significant
- 22 decline in export revenues, and that export revenues is
- 23 -- that we put in all the material. Mr. Thomson talked
- 24 about that as the driver for the rate increases in the
- 25 test years. Number 2, we also have, you know, aging

- 1 infrastructure and we're spending, as Mr. Warden said,
- 2 upwards of half a billion dollars a year on base
- 3 capital. So if you take that out twenty (20) years
- 4 that's \$10 billion of capital.
- 5 So you're replacing some of your old
- 6 imbedded costs at the new costs for the -- even on base
- 7 capital. So, you know, those are factors in our cost
- 8 structure as well that you have to -- it -- it's just
- 9 not the spending on major generation and transmission
- 10 that -- that's, you know, changing our cost structure.
- 11 There's also base business issues that are without
- 12 major new generation and transmission that is putting
- 13 cost pressures on our bottom line.
- 14 MR. BOB PETERS: Thank you, Mr.
- 15 Rainkie. Back to my point, and if I misspoke I
- 16 apologize, but the -- the \$225 million of rate
- 17 regulated assets that will be written off to -- against
- 18 Manitoba Hydro's retained earnings, that in and of
- 19 itself causes pressure on the rate increases, correct?
- 20 MR. DARREN RAINKIE: I don't think in
- 21 and of itself it does, Mr. Peters, because we tend to
- 22 draw a straight line through our rate increases.
- 23 Certainly it reduces our retained earnings in the short
- 24 period of the -- the early period of the IFF
- 25 But it's only a timing difference. We

- 1 would have to expense those costs over some period of
- 2 time. So we are writing them off at one (1) point in
- 3 time under the IFRS scenario, but I think if you get
- 4 out about ten (10) years in the forecast the debt to
- 5 equity ratio is about the same whether or not we write
- 6 off the rate-regulated assets.
- 7 So it's simply a timing difference. If
- 8 Manitoba Hydro was to ask for a rate increase to
- 9 compensate for that write-off, I think it's in the
- 10 material something like 61 percent, which we of course
- 11 would never do. So let's not leave the impression that
- 12 we would ever ask for that rate increase. We will use
- 13 our cost of service rate-setting to smooth -- you know,
- 14 smooth it over time, and -- and in time it will
- 15 reverse. It's simply a timing difference.
- 16 MR. VINCE WARDEN: I might just -- just
- 17 to further that, Mr. Peters. I think Manitoba Hydro is
- 18 very fortunate that we have -- our -- our rate
- 19 regulated assets are -- are very small compared to
- 20 other utilities.
- 21 So we talked earlier about BC hydro.
- 22 Their rate regulated assets are 2.4 billion, so they
- 23 have a huge problem there that -- that Manitoba Hydro
- 24 doesn't have.
- 25 So the -- the write-off that we will, if

- 1 we in fact do go to IFRS and rate-regulated accounting
- 2 is not eventually determined to be permissible, it's --
- 3 it's very manageable. The amount we're going to write
- 4 off to retained earnings is very manageable, and we
- 5 will recover that over a period of time.
- I think one (1) other point I -- I'd
- 7 like to make with respect to our future rate increase
- 8 projection is that, as I mentioned earlier, 3.95
- 9 percent is just a mathematical calculation as to get --
- 10 what it takes to get back to 75:25 by the end of the
- 11 forecast period. But we have to remember that Conawapa
- 12 is coming into service -- not coming into service until
- 13 the very end of that forecast, out at -- in 2025/'26.
- 14 At that point Conawapa starts to generate significant
- 15 revenue.
- 16 So if we were to extend our forecast
- 17 further, beyond twenty (20) years, which we do for
- 18 internal purposes in scenar -- other -- looking at
- 19 other scenarios, we would see a very large increase in
- 20 revenues in the years subsequent to the twenty (20)
- 21 year forecast period.
- 22 So I think as we proceed down this path,
- 23 management will be make -- will be looking at our
- 24 forecast, making sure they're still on track. And if
- 25 that expectation of revenues at -- ten (10) years from

- 1 now, if we look at our twenty (20) year forecast and
- 2 we're going to see these -- these large revenues coming
- 3 in from Conawapa, I would expect that those rate
- 4 increase requests to this Board would be moderated
- 5 significantly.
- 6 So I wouldn't put too much emphasis on
- 7 the 3.95 percent for that twenty (20) year period --
- 8 or, eighteen (18) year period.
- 9 MR. RAYMOND LAFOND: Can I come in
- 10 here? I hear you in terms of, for instance, Conawapa;
- 11 but Wuskwatim has just come and has -- that does not
- 12 reduce rates whatsoever. Like why is the analogy not
- 13 similar?
- 14 MR. VINCE WARDEN: I think the analogy
- 15 isn't similar because Conawapa -- or, Wuskwatim was
- 16 brought in at a time when there was huge escalation in
- 17 commodity prices around the world. And as a matter of
- 18 fact, there's a -- an article that we filed at this
- 19 last -- or, the last proceeding. I think it was
- 20 called, "Sticker Shock," or some such thing, that
- 21 referred to just that phenomenon.
- So it wasn't just Manitoba Hydro that
- 23 was experiencing those huge increases in costs that we
- 24 saw with Wuskwatim. We have taken a little bit
- 25 different approach with both our fore -- forecasts for

- 1 both Keeyask and Conawapa in that we've provided a risk
- 2 -- a management risk amount in those forecasts such
- 3 that we've made some provision for any kind of cost
- 4 increases.
- 5 So I think we've -- whereas with
- 6 Wuskwatim, we didn't provide for that risk factor, we -
- 7 we have with these other projects such that we won't
- 8 see a similar circumstance with those projects going
- 9 forward. There's no quarantees, of course. We don't
- 10 know what's going to happen with prices in the future.
- 11 But I think we're better prepared in our forecasts now
- 12 to deal with that than we were with Wuskwatim.
- 13 MR. RAYMOND LAFOND: I -- I -- you
- 14 know, this is probably a case for the NFAATs. I'm not
- 15 going to go further on Conawapa, just -- it was just a
- 16 matter of finding out why Wuskwatim was not the same
- 17 thing.
- Now, really, when -- when sitting here,
- 19 and I look what has happened over the nine (9) -- the
- 20 last nine (9) years and we've had great water flows, so
- 21 that increases volume, so that helps the bottom line,
- 22 because that's unexpected revenues, essentially.
- 23 Inflation rate has been relatively low
- 24 over the last five (5) and more years. Depreciation,
- 25 unless you go to new projects, does not increase on a

- 1 year-to-year basis. And finance expenses, I mean,
- 2 interest rates have really declined substantially in
- 3 the last five (5) to ten (10) years. So whenever
- 4 you're renewing debt it's at a lower rate than you had
- 5 it prior.
- 6 So it seems to me, when I look at the
- 7 increases in rates for the last few years, it is
- 8 substantially above inflation in spite of these good
- 9 factors: lower interest rates, great water flows and
- 10 therefore more exports. Depreciation is a fixed
- 11 expense. It does not go up by -- by inflation.
- 12 And so that -- that really is difficult
- 13 to -- when looking at the global picture, why this is
- 14 happening.
- 15 MR. VINCE WARDEN: But -- but --
- 16 MR. RAYMOND LAFOND: I will add except
- 17 -- except for the fact of new construction projects
- 18 coming in and having to build some equity for these new
- 19 construction projects.
- 20 MR. VINCE WARDEN: Well, Mr. Lafond,
- 21 the major, major factor that you didn't reference is
- 22 export prices. So the bottom has fallen out of our
- 23 export price market. And, you know, I indicated
- 24 earlier, over the past four (4) years our export --
- 25 amount of our exports sales, despite the fact we've had

- 1 excellent water flow conditions over tho -- that period
- 2 of time, our exports -- the total value of our exports
- 3 has gone down by 42 percent over that same period of
- 4 time. That's the major reason.
- 5 MR. RAYMOND LAFOND: That's true.
- 6 MR. DARREN RAINKIE: Mr. Lafond, I
- 7 would also add that we had suffered a drought in
- 8 2003/'04, so some of the rate increases right after
- 9 that period of time were -- were to recover the effects
- 10 of that drought. And then as Mr. Warden mentioned,
- 11 after that, net export revenues have been decreasing
- 12 fairly significantly in the last couple of years. So
- 13 those are probably the two (2) largest factors.
- 14 MR. RAYMOND LAFOND: Well, I -- I will
- 15 ask this question now, and maybe we'll deal with it
- 16 later. And if that's the case, please let me know and
- 17 we'll deal with it then.
- 18 Generally speaking, when any business
- 19 looks at a new project, it has to raise the equity, the
- 20 25 or -- or 40 percent required, before the project
- 21 states -- starts. So in our case we need the rates not
- 22 to build -- not to maintain the equity -- the equity at
- 23 25 percent over these huge projects, but rather just to
- 24 take care of the current operations due to decreased
- 25 export prices.

- 1 Am I right in assuming that?
- MR. VINCE WARDEN: Yes, you are right.
- 3 The amount of capital we need for these major projects
- 4 will, for all intents and purposes, be debt financed.
- 5 So we'll be financing that through debt.
- 6 MR. RAYMOND LAFOND: We have to admit,
- 7 as Manitobans who are not only consumers but investors,
- 8 that really increases the risk of -- of the utility,
- 9 because generally speaking, from a business
- 10 perspective, you make sure you have some equity ahead
- 11 of time to take care of some unforeseens.
- MR. VINCE WARDEN: And -- and, you
- 13 know, we are in the fortunate position that we do have
- 14 equity. We do have \$2.5 billion of equity. We do have
- 15 our financial ratio at 75:25. So embarking on these
- 16 projects, we're in a pretty good place. There -- not
- 17 to say that there isn't risk going forward. There --
- 18 there certainly is, and that's going to be the subject
- 19 of the NFAAT hearings for sure. But if you look at our
- 20 forecast and you look at the recovery over that twenty
- 21 (20) year period through revenues that are generated
- 22 from those projects, it looks pretty good. Now,
- 23 there's lots of risks around that, but that's probably
- 24 discussion for another day.
- MR. RAYMOND LAFOND: But it does go

- 1 down to 10 percent? The equity ratio, it does come
- 2 down to twenty (20) -- to 10 percent, and that's
- 3 assuming no increases in interest rates, if I read this
- 4 correctly.
- 5 MR. VINCE WARDEN: It does. The equity
- 6 ratio does go down to 10 percent. Then you have to ask
- 7 yourself: Do you have a sufficient -- sufficient level
- 8 of equity in absolute dollar terms to meet the risks of
- 9 the Corporation over that period of time? So if we
- 10 have a major drought, a five (5) year drought costing
- 11 1.6 billion, can we withstand that without going into
- 12 negative retained earnings, which, of course, would be
- 13 disastrous? But, yes, we -- we -- the answer to that
- 14 is yes, we do have sufficient retained earnings. And
- 15 if you look at -- even though the ratio goes down to 10
- 16 percent, our retained earnings continue to increase
- 17 modestly over that period of time.
- 18 MR. RAYMOND LAFOND: But we could not
- 19 afford several factors happening at the same time; for
- 20 instance, substantially increased interest rates and a
- 21 drought, followed shortly after by a second drought?
- MR. VINCE WARDEN: Well, that's right.
- 23 If we had back-to-back droughts, it -- it would be --
- 24 you know, there -- there -- we can only provide for so
- 25 much, though, you know? There are risks going forward.

- 1 We provide for those risks as best we can. If there is
- 2 an event, an unprecedented event, then we would have to
- 3 deal with that at the time.
- I -- I just want to make sure we're
- 5 clear, though, that even though I did say that the
- 6 majority of those major projects will be debt financed,
- 7 there is a portion that is financed from internally
- 8 generated funds. So to the extent that we generate
- 9 more funds internally than we need to fund base
- 10 capital, any excess would be -- would be invested in
- 11 those -- that major new generation transmission.
- 12 MR. RAYMOND LAFOND: If I understood
- 13 the presentations by Mr. Cormie and others, essentially
- 14 we have built in average water flows, taking into
- 15 consideration droughts over the long-term. Over the
- 16 short-term could be a problem; but over the long-term,
- 17 they're built in the forecast.
- 18 Am I correct in assuming that?
- MR. VINCE WARDEN: Yes.
- 20 MR. RAYMOND LAFOND: Now, that's the
- 21 case for the generation of electricity. But in terms
- 22 of financing costs or interest rates, we are projecting
- 23 over the future at the current rates and not at average
- 24 rates, for instance, over the last thirty (30) years or
- 25 fifty (50) years?

- 1 MR. VINCE WARDEN: The rates going
- 2 forward are -- are based on our best projection of what
- 3 those rates will be when -- when the funds are required
- 4 to be borrowed, yes.
- 5 MR. RAYMOND LAFOND: Which is at --
- 6 which are at increased rates to what they are today?
- 7 MR. VINCE WARDEN: Yes. We're at an
- 8 all-time low, in terms of our borrowing costs, and they
- 9 are projected to increase modestly --- not -- not
- 10 dramatically, but modestly -- over -- over the next ten
- 11 (10) -- ten (10) years.
- 12 MR. RAYMOND LAFOND: I sit on another -
- 13 another board whereby at the end of the year -- we
- 14 have fifteen (15) year fixed interest rates. And at
- 15 the end of the year, we have, for the auditors, to
- 16 reflect the fair-value adjustment to retained earnings,
- 17 therefore being a substantial reduction of -- to --
- 18 retained earnings, simply because borrowing at 5.5
- 19 percent, for instance, when today you could borrow the
- 20 same amount of dollars for the same maturity date at 4
- 21 percent, requires a major discounted value adjustment
- 22 to retained earnings. And I checked the financial
- 23 statements, and it does not seem as is -- as if my --
- 24 Manitoba Hydro is required to do this, or -- and if it
- 25 will be under IFRS, I did not see this as one of the

1431 adjustments, not to the income statement, but to 2 retained earnings. 3 MR. VINCE WARDEN: Yes, we actually 4 reflect that amount in a note to the financial 5 statements. 6 MR. RAYMOND LAFOND: Could you tell me 7 where that is? 8 MR. VINCE WARDEN: Yes. Mr. Rainkie is just looking it up as we speak here, I think. 10 MR. RAYMOND LAFOND: It is in a note 11 and not as an adjustment to the retained earnings. 12 MR. VINCE WARDEN: It is; it is in a 13 note. 14 15 (BRIEF PAUSE) 16 17 MR. RAYMOND LAFOND: And your auditors 18 agreed to that? 19 MR. VINCE WARDEN: Oh, yes, that's in 20 accordance with Canadian GAAP. 21 22 (BRIEF PAUSE) 23 24 MR. DARREN RAINKIE: Mr. Lafond, if you look at note 16, page 74 of our last annual report,

- 1 there's a chart on financial instruments, and it has,
- 2 "Carrying Value" and "Fair Value." And if you go down
- 3 under "Other Financial Liabilities," you'll see, "Long-
- 4 term Debt, Including Current Portion."
- 5 So the carrying value is \$9.4 billion,
- 6 and the fair value is 11.7 billion. I think that's
- 7 what you're referring to as the disclosure of the
- 8 difference between carrying value and fair value at
- 9 today's interest rates?
- MR. RAYMOND LAFOND: Yes.
- MR. DARREN RAINKIE: And just a
- 12 previous question, you were interested in our interest
- 13 rates that we put into our IFF12 and where they are in
- 14 the future relative to where they are today.
- 15 Sorry to quick -- I keep switching
- 16 documents but -- oh --
- MR. RAYMOND LAFOND: Maybe we can
- 18 finish on this --
- MR. DARREN RAINKIE: Sure
- 20 MR. RAYMOND LAFOND: -- note 16 first.
- 21 MR. DARREN RAINKIE: Sure.
- MR. RAYMOND LAFOND: So if you had to
- 23 adjust your retained earnings based on that you would
- 24 have to adjust your -- I mean, your retained earnings
- 25 would essentially disappear.

1433 1 2 (BRIEF PAUSE) 3 MR. DARREN RAINKIE: I'm not sure why we would adjust retained earnings. We're -- we're carrying these -- these debt costs at amortized costs. 7 This is just, I think, providing an idea of what the -the debt would be issued in today's terms. So I don't -- I don't think we would ever adjust retained earnings for that differential. It's really just a notional 10 11 calculation for information for users. 12 MR. RAYMOND LAFOND: I understand that, 13 but some other corporations are obliged to adjust it to 14 retained earnings and not just put in a note. MR. VINCE WARDEN: Mr. Lafond, I think 15 only on the -- on the investment side. We're talking 17 on the debt side here. There -- there'd be no 18 adjustment to retained --19 MR. RAYMOND LAFOND: I -- I wasn't referring to the debt side. 21 MR. VINCE WARDEN: I -- I -- this is a leg -- we have legal obligations to repay the debt in 22 23 the principal amount as stated. So I -- it would not make sense to adjust that to -- to current value on the 24 25 -- on -- to retained earnings. It's -- I -- maybe

- 1 I'm missing your point, but it's --
- 2 MR. RAYMOND LAFOND: No, I -- I
- 3 understand your reasoning very well. But I know for a
- 4 fact that some other corporations -- maybe it's only
- 5 the private for-profit sector -- they do have to make
- 6 the adjustment to their retained earnings by that
- 7 notional value difference as if they were -- they would
- 8 sell that debt at market rate and replace it with lower
- 9 rates -- a debt with lower rates.
- 10 But that's fine; I have an understanding
- 11 now of the issue and -- and of the impact it would be
- 12 otherwise.
- 13 MR. DARREN RAINKIE: And, Mr. Lafond,
- 14 that will -- even under -- if we move -- well, when we
- 15 move to IFRS, we'll still hold our debt at amortized
- 16 cost. It won't be at fair value. So that's -- for
- 17 publically -- you know, public companies. We don't
- 18 make that adjustment to our retained earnings.
- 19 MR. RAYMOND LAFOND: Thank you. Now we
- 20 can go to the other matter.
- MR. DARREN RAINKIE: Okay, number 2.
- 22 Sorry to keep switching documents on you, but if you'll
- 23 now pull out your IFF12 document, and if you go to page
- 24 3 of that document, there's a Section 2.3, which
- 25 discloses our economic assumptions built into the

- 1 forecast. I'll just let you grab that, and...
- 2 MR. RAYMOND LAFOND: I do have it.
- 3 MR. DARREN RAINKIE: Okay. So if you -
- 4 if you go to the middle of that table, you can see
- 5 our short-term debt rate assumptions over various years
- 6 and then our long-term debt rate assumption. And as
- 7 the little footnote says at the bottom of that table,
- 8 you have to add 1 percent as well for the provincial
- 9 debt guarantee fee so -- to get our total borrowing
- 10 costs.
- 11 So -- so that gives you an idea what the
- 12 current forecasted rates are and where we see them
- 13 going in the future.
- 14 MR. RAYMOND LAFOND: Thank you. And I
- 15 was going to ask you another question later on, on
- 16 this, as to where you do take these estimates, the --
- 17 these estimates of future rates?
- 18 MR. DARREN RAINKIE: They're based on
- 19 consensus forecasts of forecasters out in the
- 20 marketplace.
- 21 MR. RAYMOND LAFOND: Could you give me
- 22 examples of who you're using?
- 23 MR. DARREN RAINKIE: You know, I think
- 24 that there's probably an IR that lists this in gory
- 25 detail. But it would be, you know, the -- the

- 1 chartered banks, et cetera.
- MR. VINCE WARDEN: Yeah, the -- the
- 3 major financial institutions that -- that do this
- 4 forecasting. So similar to what we have on the export
- 5 price forecasting, we -- we have a -- a stable of
- 6 forecasters that we use for interest rate forecasting
- 7 as well. So it takes -- takes the Manitoba Hydro, any
- 8 bias that we might have, out of the forecast.
- 9 MR. RAYMOND LAFOND: Because this is
- 10 public information, could we have a copy of this just
- 11 to get an indication of where they are at, you know,
- 12 the different forecasters?
- MR. DARREN RAINKIE: Why don't we
- 14 undertake to point that out to you, because I'm almost
- 15 a hundred percent sure it's on the record somewhere?
- 16 MR. RAYMOND LAFOND: Thank you very
- 17 much.
- MR. DARREN RAINKIE: Sure.
- 19 MR. BOB PETERS: We'll ask Manitoba
- 20 Hydro to provide us with the information request to
- 21 which Mr. Rainkie is referring to respond to the Board
- 22 member's request. Thank you.
- 23
- 24 --- UNDERTAKING NO. 29: Manitoba Hydro to provide
- 25 the Board the information

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1437
                                request which addresses the
1
2
                                list of forecasters used
3
                                for estimated future rates
 5
                   THE CHAIRPERSON:
                                      I -- I want to follow
   up on the -- the statement, I think, to the effect that
   even if the major new capital -- new generation
7
   projects were not to proceed, that the Manitoba Hydro
   would probably be before this Board, asking for
   significant increases going forward.
10
11
                   Now, there's a -- you know, there's a
   perception out there that the kinds of increases that
13
   are being requested stem largely from the new projects
14
   that are being proposed, the new generation projects
15
   that are being proposed.
16
                   And I guess if we accept what Manitoba
   Hydro is saying, it -- it suggests to me that -- that
17
18
   one of the messages that needs to get out to
19
   ratepayers, or to the -- to people who -- who buy
   energy from Manitoba Hydro, is that get read -- get
21
    ready for increases going forward irrespective of
22
   whether or not those generation projects -- the new
23
   generation projects are going to be undertaken.
24
                   Did I -- did I get -- did I get that
25
   right?
```

- 1 MR. VINCE WARDEN: Yes, you did. We --
- 2 we've talked about the aging infrastructure issue.
- 3 We've talked a lot about that. So our costs are -- are
- 4 going to go up for that reason. But, probably more
- 5 importantly, do nothing is not an option. Like, we
- 6 need new supply for the Manitoba load in 2021/'22 time
- 7 frame.
- 8 We -- we -- if we don't build new
- 9 generation, new hydraulic generation, then we have to
- 10 put something in place. That something in place -- and
- 11 again, we're getting into the NFAAT -- that alternative
- 12 would be more expensive than what we're proposing over
- 13 the long term.
- 14 So, yes, rate increa -- there will be
- 15 rate increases in the future. We're hopeful -- we're
- 16 expecting, as a matter of fact, that those rate
- 17 increases will be moderated as we go forward.
- 18 MR. RAYMOND LAFOND: I just want to be
- 19 clear on that, in the sense that we would need that to
- 20 sustain -- to -- to, of course, supply the Manitoba
- 21 consumers, but also to sustain the firm contract --
- 22 contracts we have for exports?
- Or are we saying that by that time, in
- 24 twenty (20) years from now, essentially we would only
- 25 be using -- selling surplus at some times of the year

- 1 because essentially we would need most of the
- 2 production, or a very large portion?
- 3 MR. VINCE WARDEN: Well, I think my
- 4 point was we -- we do need new supply, new generation
- 5 of some source in 2021/'22 time frame. So we'll have
- 6 to put capital facilities in place to serve that.
- 7 So if, for example, it was a gas
- 8 combustion turbine instead of hydraulic generation, we
- 9 would -- we would still have surplus hydraulic to sell
- 10 on the export market when water conditions were above
- 11 dependable flows. So there al -- there will always be
- 12 that surplus generation there for sale on the export
- 13 market. But we have to be able to have supply
- 14 facilities in place for when water flows are -- are
- 15 lower than -- or, at dependable or lower levels, which
- 16 we know inevitably will happen.
- MR. DAVID CORMIE: Mr. Lafond, we
- 18 talked about the three (3) major export contracts that
- 19 have been signed recently, the first one being the sale
- 20 agreement that goes from 2015 to 2025. That is coming
- 21 from existing resources. Manitoba Hydro does not have
- 22 to build any resources to serve that sale.
- 23 The sales to Wisconsin and to Minnesota
- 24 Power have a condition precedent that we're only
- 25 obligated if we build new resources. So if we choose

- 1 not to build new hydraulic resources, the Minnesota
- 2 Power sale dies, the Wisconsin Public Service sale
- 3 dies, and the 125 megawatt sale to NSP don't go
- 4 through, and we slowly get out of the business of
- 5 selling long-term power, because we just don't have the
- 6 -- the resources.

- 8 CONTINUED BY MR. BOB PETERS:
- 9 MR. BOB PETERS: In an effort to assist
- 10 the Board, Mr. Rainkie, in closing up that undertaking,
- 11 this could be the very first -- I won't say it will be
- 12 the last -- my answering a Hydro undertaking, but PUB
- 13 First Round 28 is a document that I've asked Ms. Ramage
- 14 to put before you to respond to Board member Lafond's
- 15 questions. In specific, this document does list some
- 16 of the counterparties.
- 17 Is this the document to which you were
- 18 referring, Mr. Rainkie?
- 19 MR. DARREN RAINKIE: It's at least one
- 20 (1) of them, Mr. Peters.
- 21 MR. BOB PETERS: And could you just
- 22 provide Board member with an indication as to who the
- 23 counterparties are that are -- that are -- whose names
- 24 are used in the -- in the forecasting?
- MR. DARREN RAINKIE: Sure. So we have

1441 the major chartered banks, BMO Nesbitt Burns, CIBC, National Bank, Royal Bank, Scotiabank, TD Bank, IHS Global Insight, and Conference Board, I think, are the 3 ones that are referenced here mister -- Mr. Peters. 5 MR. RAYMOND LAFOND: Where are you 6 looking at, please? 7 MR. DARREN RAINKIE: I'm looking at the response to the First Round Information Request of the PUB number 28C. 10 MR. RAYMOND LAFOND: Thank you. 11 12 (BRIEF PAUSE) 13 14 MR. VINCE WARDEN: That's also -- Mr. Lafond, referred to in Manitoba Hydro's economic 15 outlook document, which is located at Appendix 4.1 of the filing. 17 18 19 CONTINUED BY MR. BOB PETERS: 20 MR. BOB PETERS: Mr. Rainkie, if I 21 might, I want to go back to close off this area of 22 questioning relative to those memos and directions from 23 Manitoba Hydro's former president, by just looking at 24 page 173 of Board counsel's book of documents. 25 And this is Manitoba Hydro's response to

- 1 Information Request PUB/Manitoba Hydro First Round 64J.
- 2 And for the assistance of the Board, Mr. Rainkie, you
- 3 can confirm that the -- that the columns of -- the four
- 4 (4) columns on the right-hand side, or the page are the
- 5 furthest to the right, those represent information that
- 6 was provided to the Board at the last general rate
- 7 application, with respect to OM&A expenses?
- MR. DARREN RAINKIE: Yes, Mr. Peters.
- 9 I believe that the numbers there for 2010/'11, '11/'12
- 10 were based on IFF10-2, which was filed at the end of
- 11 the last proceeding.
- 12 MR. BOB PETERS: And in the four (4)
- 13 columns on the left-hand side of the page, those
- 14 represent the actual results that occurred for fiscal
- 15 years '10, '11, and '12 of the Corporation?
- 16 MR. DARREN RAINKIE: That's correct.
- MR. BOB PETERS: And so, for example,
- 18 the wages -- let's pick the first line: wages and
- 19 salaries. At the last GRA, Manitoba Hydro's forecast
- 20 of compounded annual growth, as found in the furthest
- 21 right-hand column, was approximately 2 percent. That's
- 22 what was anticipated back at the GRA, Mr. Rainkie?
- 23 MR. DAVID CORMIE: That's correct.
- 24 MR. BOB PETERS: And the Board will see
- 25 that it actually came in closer to 5.2 percent

1443 increase. 2 MR. DAVID CORMIE: That's right, Mr. Peters. 3 MR. BOB PETERS: All right. And a number of other items can be checked, as well. Travel, for example, that the GRA was going to increase expected on a 2 percent compounded annual growth basis, and it actually came in at negative one point eight (1.8), correct? 10 MR. DAVID CORMIE: That's correct. 11 MR. BOB PETERS: And that would be due to the directive of the president? 13 MR. DARREN RAINKIE: Yes, ongoing costs 14 constraints on the line item, Mr. Peters. 15 MR. BOB PETERS: And I'm not sure the 16 customer and public relations, as well as the sponsored memberships, were going to decrease, was the 17 18 expectation based on a three (3) year compounded annual growth, and the -- the decrease wasn't as -- as 20 expected. 21 Do you recall anything that -- any 22 circumstances that resulted in that? 23 24 (BRIEF PAUSE) 25

1444 1 MR. DARREN RAINKIE: Mr. Peters, I'd have to check on that. I could probably do that quickly at the break, if it's important to you. 3 MR. BOB PETERS: Well, I just wanted -this was one (1) of the items, Mr. Rainkie, that the president identified in his memo; that is, the 7 sponsored memberships? 8 MR. DARREN RAINKIE: Yes, I believe it 9 is, Mr. Peters. 10 MR. BOB PETERS: All right. When we look at total costs, Mr. Rainkie, these total costs 11 12 include OM&A expenses that will subsequently be 13 capitalized by Manitoba Hydro, correct? 14 MR. DARREN RAINKIE: That's correct. 15 MR. BOB PETERS: And we're looking here at them -- your presentation here as considered by your 17 cost element? 18 MR. DARREN RAINKIE: That's right. 19 MR. BOB PETERS: And at the last GRA, the compounded annual growth was forecast at two-point-21 two (2.2), and it's come in about four-point-three 22 (4.3)? 23 MR. DARREN RAINKIE: That's right. 24 Both for items that will ultimately be expensed and

items that will ultimately be capitalized --

- 1 MR. BOB PETERS: That's -- that's the
- 2 whole basket of O&M expenses?
- 3 MR. DARREN RAINKIE: It's the whole
- 4 basket of internal costs, I suppose. As an accountant,
- 5 I would only think of operating costs as being the very
- 6 bottom line, but this presentation includes items that
- 7 are -- that will be capitalized at the top part of the
- 8 sheet, as you've noted, and then we pull the -- the
- 9 capitalized amounts out at the bottom to get to a net
- 10 operating figure, Mr. Peters.
- MR. BOB PETERS: But whether they're
- 12 capitalized or not capitalized, Mr. Rainkie, the
- 13 intention of the Corporation is to manage and control
- 14 them just the same, regardless of which -- which
- 15 category they end up in?
- 16 MR. DARREN RAINKIE: That's right.
- 17 They're -- they're total resource costs one (1) way or
- 18 another, despite the accounting treatment.
- 19 MR. BOB PETERS: And we can see the --
- 20 the magnitude of the -- the capitalization -- Mr.
- 21 Rainkie, just since we mentioned it, there's a line
- 22 item down the left-side called, "capital order
- 23 activities," and \$243 million in '10/'11, for example,
- 24 actual?
- MR. DARREN RAINKIE: That's correct.

1446 MR. BOB PETERS: And you'd have to add 1 that, Mr. Rainkie, to the capitalized overheads, in terms of getting what amounts would be allocated on the 3 electric side as capital expense items? 5 MR. DAVID CORMIE: You understand the schedule very well, Mr. Peters. 7 MR. BOB PETERS: All right. And the last point then is that the -- what you call operating OM&A expenses, is the number that falls to the bottom line there, the three hundred and ninety-six million 10 nine hundred and sixty four thousand dollars 11 12 (\$396,964,000) of OM&A attributed just to the electric 13 operations that would show up in the operating 14 statement? 15 MR. DARREN RAINKIE: Yes, roughly 397 16 million, Mr. Peters. 17 MR. BOB PETERS: Thank you. And, Mr. 18 Chairman, in light of the hour this might be an after -- time for the afternoon break, subject to the Board's wishes. 20 21 THE CHAIRPERSON: Okay. Let -- let's recess and return at three o'clock. 22 23 24 --- Upon recessing at 2:46 p.m.

25 --- Upon resuming at 3:02 p.m.

1447 1 MR. BOB PETERS: Thank you, Mr. Chairman. 3 CONTINUED BY MR. BOB PETERS: 5 MR. BOB PETERS: If I could continue, Mr. Rainkie and Mr. Warden, one (1) document that I thought at the break might be appropriate to just bring 7 to the Board's attention, in page 170 of Board counsel's book of documents which is PUB Exhibit 14 in these proceedings, here is a cost element view with 10 11 some historical actual information, as well as the forecast information provided based on IFF11-2. 12 13 Is that correct, Mr. Rainkie? 14 MR. DARREN RAINKIE: That's correct, 15 Mr. Peters. 16 MR. BOB PETERS: And on the straight 17 math, the -- the increase from the 2010 fiscal year 18 through to the test year '14 is \$126 million more of 19 OM&A, but that's, as we'll come to, has been revised because the Corporation has some specific plans 21 relative to how to deal with the IFRS postponement? 22 MR. DARREN RAINKIE: Yes, a significant chunk of the costs from 2013/'14 will now move to 23 24 2014/'15 by virtue of the deferral of IFRS, Mr. Peters.

MR. BOB PETERS: And the -- the point

- 1 that I just wanted to bring to the Board's attention is
- 2 that Manitoba Hydro has broken out of the OM&A expenses
- 3 amounts that are attributed to accounting changes.
- 4 You'll see a line item almost at the bottom of the page
- 5 dealing with accounting changes to the OM&A expenses,
- 6 as well as a line item for Wuskwatim.
- 7 MR. DARREN RAINKIE: Yeah, I -- I think
- 8 that goes back to the question that Mr. Lafond asked at
- 9 the first day, is that he was saying, Well, how do I
- 10 make sense of this schedule?
- 11 And -- and this is our attempt to
- 12 normalize it, because the accounting changes and the
- 13 in-service at Wuskwatim is simply changing the -- the
- 14 costs as presented at the bottom line. We're trying
- 15 to, if you like, normalize out our base spending so
- 16 that the Board can evaluate how good we've been at
- 17 controlling costs.
- MR. BOB PETERS: When you say
- 19 "normalize" what you're attempting to explain to the
- 20 Board, Mr. Rainkie, is that the accounting changes that
- 21 have been in -- that -- that influence OM&A are -- are
- 22 timing issues?
- 23 MR. DARREN RAINKIE: There are
- 24 certainly timing issues in the recognition of costs,
- 25 but they're also making the -- the final numbers. If

- 1 you just looked at the numbers and didn't understand
- 2 what was going on, you'd come to the conclusion that
- 3 costs are, you know, increasing at a rapid rate. Like,
- 4 the underlying costs; the decisions that we're making
- 5 every day to staffing, those types of things.
- 6 So what it's trying to do is kind of
- 7 normalize it. Get it -- get back to our base
- 8 expenditures before some of these accounting changes
- 9 occurred, so that the Board has a way of evaluating how
- 10 costs have increased during that period of time, Mr.
- 11 Peters.
- MR. BOB PETERS: Instead of seeing OM&A
- 13 attributed to electric operations going from 377
- 14 million up to 531 million, you're saying the normalized
- 15 view would see that same amount going from 366 million
- 16 up to 382 million?
- 17 MR. DARREN RAINKIE: That's correct,
- 18 Mr. Peters.
- 19 MR. BOB PETERS: All right. I think we
- 20 have your point. I want to turn --
- 21 MR. VINCE WARDEN: Mr. Peters, I might
- 22 just point out though, this was based on, I believe,
- 23 IFF11-2, which has since been updated. So the most
- 24 current comparison would be in -- in the reference to
- 25 Manitoba Hydro -- Hydro Exhibit 15, page 19, is -- is

- 1 the most current fore -- forecast of our OM&A for
- 2 electric operations.
- MR. BOB PETERS: Thank you. Thank you,
- 4 Mr. Warden. Why don't we take a minute to look at that
- 5 since you raised it. To Mr. Rainkie: You have that as
- 6 well?
- 7 MR. DARREN RAINKIE: I do.
- 8 MR. BOB PETERS: And the only
- 9 difference, I think, from what you and I were talking
- 10 about is IFF12 reduces the accounting changes and also
- 11 the IFRS impacts and pushes them over to a subsequent
- 12 general rate application, as opposed to this one?
- 13 MR. VINCE WARDEN: Well, no. The
- 14 exhibit that we -- we're referring to on page 19
- 15 updates for actual costs incurred for fiscal year --
- 16 fiscal '11/'12, compared to page 170 of the book of
- 17 documents, which is a forecast for that year. So it's
- 18 -- it's updated to reflect our -- our current actuals
- 19 and the best estimate for the test years.
- 20 MR. BOB PETERS: And your forecast of
- 21 363 million for the 2012 fiscal year came in at 368
- 22 million?
- 23 MR. VINCE WARDEN: That's the
- 24 comparable number to this schedule, yes.
- MR. RAYMOND LAFOND: Mr. Peters, I need

- 1 to understand that. We're referring to the Wuskwatim
- 2 expense in the -- on page 170 of the book of documents.
- 3 We're seeing one (1) year of full service for Wuskwatim
- 4 was one million, seven hundred and fifty-four thousand
- 5 (1,754,000) as opposed to five million, five hundred
- 6 and eighty-nine thousand (5,589,000) on page 19 of
- 7 Exhibit 15?
- 8 That looks like a very big difference.

- 10 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: Can you explain that
- 12 to the Board, Mr. Warden?
- 13 MR. VINCE WARDEN: Mr. Lafond, I'm
- 14 looking at the '12/'13 forecast on page 170. The
- 15 number for Wuskwatim under the '12/'13 heading is seven
- 16 million, eight eighty-one (7,881,000).
- 17 MR. RAYMOND LAFOND: I'm sorry, I don't
- 18 have that. On -- this is page 170?
- 19 MR. VINCE WARDEN: Yes, page 170 of --
- 20 of the book of documents.
- 21 MR. RAYMOND LAFOND: Okay. What -- oh,
- 22 yes, a million seven fifty-four (1,754,000) is that
- 23 what you're referring to?
- 24 MR. VINCE WARDEN: No. No, I'm looking
- 25 at the column previous to that, '12/'13, which is the

PUB - MANITOBA HYDRO GRA 12-17-2012 1452 same year as you were referring to on page 19. 2 MR. RAYMOND LAFOND: Yes. Yes. 3 MR. VINCE WARDEN: So the comparable numbers are seven million, eight eighty-one (7,881,000) versus five million, five eighty-nine (5,589,000). 6 CONTINUED BY MR. BOB PETERS: 8 MR. BOB PETERS: Mr. Warden, does that

- reflect the staging of -- of the coming into service of
- 10 Wuskwatim?
- 11 MR. VINCE WARDEN: Yes, the schedule
- that was prepared that's in -- on page 170 of the book
- 13 of documents assumed a in-service schedule that was
- 14 updated on page 1 -- at page 19 of the exhibit.
- 15 MR. BOB PETERS: And the suggestion
- then is that the annual OM&A costs attributed to
- 17 Wuskwatim are about \$11 million a year?
- 18 MR. VINCE WARDEN: When fully in
- 19 service, yes.
- 20 MR. BOB PETERS: Which is what's
- 21 depicted --
- 22 MR. VINCE WARDEN: In '13/'14 column.
- 23 MR. BOB PETERS: Thank you.
- 24 MR. RAYMOND LAFOND: Can you explain to
- 25 me what the million, seven hundred and fifty-four

- 1 thousand (1,754,000) is just a few numbers over that
- 2 nine, million six thirty-five (9,635,000) on page 170,
- 3 second to the last column towards the very -- at the
- 4 bottom?
- 5 MR. DARREN RAINKIE: That -- that
- 6 figure was the -- the differential to move us from --
- 7 from a partial service year during 2012/'13 up to a --
- 8 a full year for 2013/'14, because it's -- the caption
- 9 there is, "Wuskwatim GS for Full Year in Service." So
- 10 it was a -- a differential.
- 11 MR. RAYMOND LAFOND: A differential
- 12 from what?
- 13 MR. DARREN RAINKIE: From the --
- 14 MR. RAYMOND LAFOND: It was zero the
- 15 previous year.
- 16 MR. DARREN RAINKIE: It's a -- if you
- 17 look a couple lines down, it's the differential between
- 18 the seven point eight-eight-one (7.881) and nine six-
- 19 three-five (9.635). So we assumed that in -- on page
- 20 170 that was based on IFF11-2, that Wuskwatim would
- 21 come into service during a par -- a part of 2012/'13.
- 22 And that one seven-five-four (1.754) was just to simply
- 23 annualize that to twelve (12) months.
- MR. RAYMOND LAFOND: Thank you.

- 1 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: Mr. Rainkie, Mr.
- 3 Warden, over to page 178 of the book of documents,
- 4 under Tab 16 of Exhibit PUB 14, if you turn to staffing
- 5 levels, on page 178 is the response from Manitoba Hydro
- 6 to PUB Question First Round 38D. And you provide the
- 7 Board with a history of OM&A costs before
- 8 capitalization related to labour and benefits.
- 9 Do you see that information?
- 10 MR. DARREN RAINKIE: I have it, Mr.
- 11 Peters.
- 12 MR. BOB PETERS: Thank you. And the
- 13 wages and benefits portion of the OM&A expenses is
- 14 taken as a -- as a percentage. And the Board will see
- 15 that labour and benefits have increased from 74 percent
- 16 of the OM&A percent up to 77 percent of the OM&A costs
- 17 into the first test year.
- 18 MR. DARREN RAINKIE: A percentage of
- 19 the total cost before capitalization, Mr. Peters. I
- 20 think you have to add that on, because that's -- it's
- 21 the total gross cost that we talk -- talked about
- 22 before, the total resource costs before capitalization.
- 23 MR. BOB PETERS: I consider that the
- 24 gross cost, but maybe I'm not thinking of that
- 25 correctly. But that is the -- what you're telling the

- 1 Board, Mr. Rainkie, is that 77 percent of the
- 2 Corporation's entire OM&A expenditures relate to wages
- 3 and benefits?
- 4 MR. DARREN RAINKIE: That's right. I
- 5 think Mr. Warden had that in his presentation the first
- 6 day, a nice pie -- pie chart that showed that.
- 7 MR. RAYMOND LAFOND: But that would
- 8 exclude the seventeen hundred (1,700) employees as of
- 9 March 31st effective to construction are being
- 10 capitalized, and more so during the summer, correct?
- 11 MR. DARREN RAINKIE: That would be
- 12 before you capitalized. And I think if we flip the
- 13 page, it's about twenty-seven hundred employees (2,700)
- 14 employees that we really are capitalized in.
- We talked about that the first day that
- 16 the -- that the construction employees and the annual
- 17 report is really a fixed number at a point in time. If
- 18 you look on page 179, that's probably a better
- 19 calculation of -- of how much -- how many of our
- 20 employees in total are capitalized. And for '11/'12,
- 21 it was two six-seven-eight (2.678).
- MR. RAYMOND LAFOND: Thank you.

- 24 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: Mr. Rainkie, while

- 1 you've got the Board's attention to page 179 of the
- 2 book of documents, it shows that the percent of labour
- 3 and wages that is capitalized is a total of 41 percent,
- 4 correct?
- 5 MR. DARREN RAINKIE: Yes. Of total
- 6 labour and benefits, 41 percent we've calculated has
- 7 been capitalized in those years.
- 8 MR. BOB PETERS: Which means four (4)
- 9 out of every ten (10) employees' costs are capitalized?
- 10 MR. DARREN RAINKIE: I -- I quess
- 11 roughly, Mr. Peters, yeah.
- MR. BOB PETERS: You don't see it that
- 13 way?
- 14 MR. DARREN RAINKIE: You know, I'll
- 15 accept that to move forward. If -- if I disagree with
- 16 your thinking in the next question, I'll let you know.
- 17 MR. BOB PETERS: All right. Thank you,
- 18 sir.
- 19 MR. DARREN RAINKIE: I quess, Mr.
- 20 Peters, my only hesitation is that that is both
- 21 straight time and overtime. So if we looked at the
- 22 last line in that schedule, it's straight time and
- 23 overtime. So I don't know if that percentage bears
- 24 out. But let's move on, I think, and -- and we'll see
- 25 if it makes a difference.

1457 MR. RAYMOND LAFOND: I would assume 1 that the average cost per employee on construction is possibly substantially different than -- from the other 3 employees not effected to construction directly. 5 MR. DARREN RAINKIE: Yes. here we filed in the material the average per division. And yeah, it does vary depending on the -- on the 7 skills of the employee, of course. 9 10 CONTINUED BY MR. BOB PETERS: 11 MR. BOB PETERS: Mr. Rainkie, Mr. 12 Warden, on page 176 of the book of documents, it raises 13 the issue of overtime that you just spoke of, Mr. 14 Rainkie. And overtime appears to be increasing. Is it 15 increasing as a -- as a percentage, or is it just keeping pace with the salaries and wages that are paid? 16 17 18 (BRIEF PAUSE) 19 20 MR. DARREN RAINKIE: Just wondering, 21 Mr. Peters, if your -- if your cost element schedule 22 will tell us that without me resorting the hand 23 calculator? 24 MR. BOB PETERS: Let me -- let me 25 rephrase the question, Mr. Rainkie. Is -- is overtime

1458 predictable? 2 3 (BRIEF PAUSE) 5 MR. DARREN RAINKIE: It -- it can be. But, of course, we can have major events, like storms, that can require a substantial amount of overtime, and 7 those aren't always predictable. 9 MR. BOB PETERS: So leaving aside the 10 weather element, this overtime is expensed for what 11 other reasons that aren't weather-related? 12 MR. DARREN RAINKIE: Well, we also will 13 have overtime to maintain the in-service dates of 14 capital projects, Mr. Peters, that's embedded in these 15 -- in these figures. So there's many reasons why we might incur overtime, some related to operational 17 reasons, some are related to emer -- emergencies, and 18 some related to capital projects. 19 MR. BOB PETERS: So to protect an inservice date of a major capital project, Manitoba Hydro 21 may require the construction team to -- to work 22 overtime? 23 MR. DARREN RAINKIE: I quess to protect 24 in-service dates of any project, either major or otherwise, they may require that, Mr. Peters.

1459 MR. BOB PETERS: What's the rate paid 1 on overtime? Is it... 3 MR. VINCE WARDEN: It's double time for overtime. In addition to protecting in-service dates though, it's also for efficiency reasons. It could very well be that a crew will be on a job and rather than demobilize that crew and send them back to their headquarters, they'll stay and -- and finish the job and incur overtime costs as a result, which is more 10 efficient than remobilizing the next day. 11 12 (BRIEF PAUSE) 13 14 MR. RAYMOND LAFOND: All overtime is 15 double time, and none is time and a half? 16 MR. VINCE WARDEN: That's right. 17 18 (BRIEF PAUSE) 19 20 MR. VINCE WARDEN: Not counting 21 management. 22 MR. DAVID CORMIE: Division by zero. 23 MR. DARREN RAINKIE: Mr. Peters, to 24 answer your last question, if you look at the book of documents, page 173, it indicated that wages and

- 1 salaries were -- for the 2009/'10 to the 2011/'12
- 2 period were increasing by 5.2 percent, and overtime was
- 3 increasing at 4.5 percent. So that gives you some
- 4 rough indication of your previous question.

- 6 CONTINUED BY MR. BOB PETERS:
- 7 MR. BOB PETERS: Thank you -- thank
- 8 you, Mr. Rainkie, appreciate that. I wanted to turn to
- 9 page 170 -- make it 180, sorry, one-eight-zero (180),
- 10 of the book of documents. And this page comes from the
- 11 last general rate application that was filed with the
- 12 Board.
- And would it be correct in understanding
- 14 this information that at the last GRA for both '10/'11
- 15 and '11/'12 Hydro was forecasting about 32 percent of
- 16 all labour and benefits being capitalized?
- 17 MR. DARREN RAINKIE: That's right, Mr.
- 18 Peters. This was a much more simplistic calculation
- 19 than what has been provided in this proceeding. I can
- 20 go through that if you want, but I don't want to
- 21 forestall your next question because I'm sure you're
- 22 taking me there.
- 23 MR. BOB PETERS: Well, on a previous
- 24 page, Mr. Rainkie, page 179, you've already shown the
- 25 Board that in the current filing for the -- for the

1461 capitalization of wage and benefits, the number is closer to 40 percent, 41 percent. 3 MR. DARREN RAINKIE: That's right. And -- and in performing this calculation this time we took a bit of a more refined approach, Mr. Peters. And the -- the eight (8) or 10 percent differential you see there is not a change in our cost structure, but rather 7 it's a change in the approach to estimate the statistic 9 for the Board. 10 We actually went to a much lower level 11 of detail, in terms of analyzing our costs, to provide 12 this IR this time. So it's simply a methodology change in the calculation. 13 14 15 (BRIEF PAUSE) 16 17 MR. RAYMOND LAFOND: Just for curiosity 18 while these gentlemen are looking at their information, 19 overtime -- not overtime -- capitalized labour and benefits, equ -- full-time equivalents of two thousand, 21 six hundred and seventy-eight (2,678) actual for 2011/2012. And when we earlier in the hearings talked 22 23 about March 31st being about seventeen hundred (1,700) 24 employees being capitalized at that specific date of 25 March 31st, assuming construction season lasts about

1462 four (4) months, that would mean that in actual fact during the summer there would be literally four thousand (4,000) plus employees on construction being 3 capitalized? 5 Does that make any sense? 6 MR. VINCE WARDEN: Well, the -- the construction period at Manitoba Hydro is really year 7 It's just a question of when that peaks. So it does peak during the summer months, but -- but 10 employees are involved in construction --11 MR. RAYMOND LAFOND: But at that peak time, the number of employees being capitalized would 13 be how many? I want a -- I'm only looking for an 14 approximate number. Like are we talking about thirty-15 five hundred (3,500) to four thousand (4,000)? 16 17 (BRIEF PAUSE) 18 19 MR. RAYMOND LAFOND: The reason for my question is, on the financial statements as of the end 21 of March, we have one thousand, six ninety-three 22 (1,693) -- let's say seventeen hundred (1,700) 23 employees at that specific date. So the full-time 24 equivalent would be more like twenty-seven hundred 25 (2,700) throughout the year as an average.

- 1 I'm just looking for what the
- 2 approximate peak would be during the summer.
- 3 MR. VINCE WARDEN: Twenty-five hundred
- 4 (2,500) capitalized during the summer.
- 5 MR. RAYMOND LAFOND: Well, I don't
- 6 understand that, because one point seven (1.7) as of
- 7 March 31st, or -- or seventeen hundred (1,700) as of
- 8 March 31st? But twenty-six hundred and seventy-eight
- 9 (2,678) equivalent full time? That would mean that it
- 10 has to be substantially higher than twenty-six seventy-
- 11 eight (2,678) during the summer months at its peak
- 12 time.
- MR. DARREN RAINKIE: There are a couple
- 14 of differences in the methodology between those two (2)
- 15 calculations. And I -- I think I would rely on the one
- 16 that's in page 179 of the PUB book of -- the counsel
- 17 book of documents.
- 18 First of all, the calculation of the --
- 19 of the twenty-six seventy-eight (2,678) includes
- 20 overtime, whereas the calculation in the annual report
- 21 doesn't. And one of the refinements we made to this
- 22 calculation this time is we looked at not only the
- 23 staff costs to calculate the statistic -- not only the
- 24 staff costs that would be capitalized through capital
- 25 order activities -- so time-carding -- but also a

- 1 portion of other employees get capitalized through our
- 2 overhead rate application.
- 3 So this twenty-six seventy-eight (2,678)
- 4 is calculated on a much different basis than the rather
- 5 simplistic calculation that we put into the annual
- 6 report. So I'm not sure we can get any proportionality
- 7 out of, you know, these two (2) numbers.
- 8 MR. RAYMOND LAFOND: So what I am
- 9 hearing is that some employees considered overhead,
- 10 some of their salaries are being attributed to
- 11 construction and, therefore, capitalized?
- MR. DARREN RAINKIE: That's right. And
- 13 this figure includes those employees as well, as well
- 14 as overtime, whereas, the -- the calculation in the
- 15 annual report doesn't include either one of those
- 16 components.
- MR. RAYMOND LAFOND: I quess that's a
- 18 policy of Manitoba Hydro I have always -- I mean, I've
- 19 been an auditor and I've seen many different companies.
- 20 And I've never seen the capitalization of overhead into
- 21 any construction project, whether it be a major office
- 22 building or -- or major -- new venture.
- 23 So is that -- is that more or less the
- 24 norm amongst utilities?
- 25 MR. DARREN RAINKIE: Full-cost

- 1 accounting has been a -- a norm in the utility industry
- 2 because our business is -- we're constantly building.
- 3 It -- it's -- we're not -- not just an operating
- 4 company, we're, in large part, a capital company.
- Now, as we indicated throughout the
- 6 material, we have been less a -- we have been expensing
- 7 more and more costs as we've gone along because the
- 8 interest -- industry has moved, you know, into a more
- 9 conservative, for lack of a better term, approach to
- 10 this. And -- but it is a common utility practice that
- 11 you would -- you would see across the industry.
- MR. RAYMOND LAFOND: So effectively, a
- 13 portion of the salaries of the people sitting in front
- 14 of me would be capitalized?
- MR. DARREN RAINKIE: That's correct, as
- 16 our overhead practices are right now.
- MR. RAYMOND LAFOND: Thank you.
- 18 MR. DARREN RAINKIE: That of course
- 19 would -- once we move to IFRS, that is one of the
- 20 changes that we would make, is that unless you direct
- 21 timecard to a -- a capital project, support people
- 22 would not be capitalized.
- 23 MR. RAYMOND LAFOND: So that will
- 24 change once you adopt IFRS?
- 25 MR. DARREN RAINKIE: That's correct.

1466 MR. VINCE WARDEN: Mr. Lafond, I'm --1 I'm not sure that we totally answered your question, in terms of reconciling the number of employees in the 3 annual report and the peak number of employees that we have during the year -- or, the average number of employees that we have during the year. 7 Would you like us to reconcile that more definitively than what we have just now? 9 MR. RAYMOND LAFOND: Well, unless my 10 conclusion is improper, yes. But otherwise, I'm simply now assuming that there were seventeen hundred (1,700) 11 12 employees, or thereabouts, as -- as of the end of 13 March, but these numbers include equivalent employees 14 in overtime and also include capitalized employees in 15 overhead, while there would be no employees being 16 capitalized in overhead under the -- page 87 of the --17 of the financial statements? 18 19 (BRIEF PAUSE) 20 21 MR. DARREN RAINKIE: That is correct, 22 Mr. Lafond. 23 MR. RAYMOND LAFOND: That is 24 sufficient. Thank you. 25 MR. DARREN RAINKIE: Okay.

- 1 CONTINUED BY MR. BOB PETERS:
- 2 MR. BOB PETERS: Before we move past
- 3 page 173, Mr. Rainkie, you were quick enough to point
- 4 the Board to the relationship between wages and
- 5 salaries and overtime on the first two (2) lines for
- 6 the compounded annual growth calculations.
- 7 When one compares that to what was
- 8 appearing before the Board at the last GRA, there
- 9 appears to be a significant change in those positions.
- 10 Are you able to provide an explanation for that while
- 11 you sit here?

12

13 (BRIEF PAUSE)

- MR. DARREN RAINKIE: Mr. Peters, I
- 16 think one (1) factor in that is that the wage
- 17 settlements that we talked about earlier on weren't
- 18 finalized at that -- that point in time, so I don't
- 19 think they were factored into that -- to that forecast
- 20 fully.
- 21 MR. BOB PETERS: All right. And then
- 22 in terms of the overtime expenses you were forecasting
- 23 a -- a minus one point one (1.1) compounded annual
- 24 growth and it came in as a positive four point five
- 25 (4.5) compounded annual growth on account of overtime?

1468 MR. DARREN RAINKIE: Mr. Pet -- Peters, 1 I was just searching for our original section 5.5 of our application where I think we explained that that 3 was largely due to construction activities. And can I just check that for one (1) second, because we did provide an explanation to that at the start of this 7 process? 8 MR. BOB PETERS: Okay. Please, yes. 9 10 (BRIEF PAUSE) 11 12 MR. DARREN RAINKIE: So, Mr. Peters, 13 I'll ju -- I'll give you a reference here, because we 14 provided a fairly lengthy variance explanation. But if 15 you looked at Appendix 5.6 to the Application, on page 8 of 13, we talk about the overtime increases resulting from the protection of key in-service dates for capital 17 18 projects; also, an increase in the number and frequency of major storms, as we talked about. So, yeah, those are primarily the factors that resulted in those 21 numbers increasing. 22 MR. BOB PETERS: Are those both 23 capitalized, or just the construction capitalized, Mr. 24 Rainkie? 25

1469 1 (BRIEF PAUSE) 2 3 MR. DARREN RAINKIE: The storm part of that wouldn't be capitalized, Mr. Peters. I don't think there would be any betterment in the assets. 6 7 (BRIEF PAUSE) 9 MR. BOB PETERS: We were talking before 10 the afternoon recess about some metrics of comparison. Mr. Warden, you also said, Well, we should benchmark 11 12 ourselves against ourselves in some ways. But when we 13 look to page 175 of the book of documents, Manitoba 14 Hydro has provided us with some -- some benchmarks 15 related to the equivalent full-time positions. 16 And as I understand it, Mr. Warden, for 17 all the reasons you did previously mention, those same 18 metrics, as against comparable utilities, are hard to 19 come by? 20 MR. VINCE WARDEN: Not only hard to 21 come by but very difficult to compare. You -- you have 22 to start off, Well, okay, what's the definition of an 23 EFT? And that's going to be different in different 24 utilities. So EF -- once you conclude on that, then you would have to look at the source of supply, whether

1470 it's -- or -- or, I'm sorry, the geography that those EFTs are serving. That is -- so -- whereas in a very dense population, the number of EFTs to supply 1,000 3 gigawatt hours electricity could be very few, but in a dispersed geography like in Manitoba, the -- the number of EFTs would naturally increase. So the comparability 7 between jurisdictions is extremely difficult. MR. BOB PETERS: Was this information off the annual report? Is that where the source of the data came from? 10 11 12 (BRIEF PAUSE) 13 14 MR. DARREN RAINKIE: I think most of it 15 would come from the annual report, Mr. Peters. I'm 16 just hesitating, because the average salary and benefits per straight-time EFT, I think we might have 17 18 calculated that through our system. I think most of 19 the other data comes right from our annual report. 20 21 (BRIEF PAUSE) 22 23 MR. DARREN RAINKIE: I think the -- Mr. 24 Peters, the next page in this IR would have provided 25 the -- the data that we used, unfortunately. You're

1471 being green. 2 3 (BRIEF PAUSE) 5 MR. BOB PETERS: On page 181 contains the information request, in essence, asked to compare Manitoba Hydro with some peers in other provinces. 7 8 Would you agree, in -- in terms of the type of utility you have, BC Hydro and Quebec Hydro would be the most comparable utilities to Manitoba 10 11 Hydro? 12 MR. VINCE WARDEN: Yes. We typically 13 compare ourselves to those two (2) utilities. 14 MR. BOB PETERS: Because hy --15 primarily hydraulic --16 MR. VINCE WARDEN: That's right. 17 MR. BOB PETERS: -- of a large nature? 18 MR. VINCE WARDEN: That's right. 19 MR. BOB PETERS: And on page 181, we don't need to go through the entire explanation, but 21 the -- the short answer is that Manitoba Hydro doesn't 22 think you can use BC Hydro as a -- as a proxy anymore 23 or a peer group member just because of the way they do 24 their financial accounting? 25 MR. VINCE WARDEN: Yes.

1472 1 MR. BOB PETERS: However, you do provide on the balance of the IR put in the book of documents the comparisons to Saskatchewan and Hydro-3 Ouebec? 5 MR. VINCE WARDEN: 6 MR. BOB PETERS: And in terms of Saskatchewan, Saskatchewan has already adopted IFRS, starting back in 2011, Mr. Rainkie. Is that right? 9 MR. DARREN RAINKIE: That's correct. 10 MR. BOB PETERS: So to some extent, the 11 very comparison you said you couldn't make needs to be 12 cautioned when one (1) looks at this chart? 13 MR. DARREN RAINKIE: That's right. think there was another IR after this where we made 14 15 some notional corrections for overhead practices and --16 and, to be fair, to the comparison. 17 18 (BRIEF PAUSE) 19 20 MR. BOB PETERS: Mr. Rainkie, I'd like 21 to turn with you to talk about IFRS and its impacts and 22 implications, but to start the record on this, the 23 Canadian Accounting Standards Board decreed that 24 publically accountable enterprises such as Manitoba Hydro are to prepare their audited accounts in

- 1 accordance with international financial reporting
- 2 standards?
- 3 MR. DARREN RAINKIE: That would be the
- 4 Public Sector Accounting Board, Mr. Peters. That's the
- 5 body that directs the reporting for the government
- 6 sector.
- 7 MR. BOB PETERS: I mentioned the
- 8 Canadian Accounting Standards Board, so I -- it's a
- 9 different Board?
- 10 MR. DARREN RAINKIE: Yes. What happens
- 11 here is that the public sector accountings centre's
- 12 Board says that publically accountable enterprises, or
- 13 -- or government business enterprises like Manitoba
- 14 Hydro and that are sustained by their own revenues,
- 15 should use publically accounted -- accountable
- 16 accounting standards.
- 17 So the Public Sector Accounting Board
- 18 standards refers us over to the Canadian Standards
- 19 Board which sets the accounting standards for
- 20 publically -- public companies, so --
- MR. BOB PETERS: And IFR --
- MR. DARREN RAINKIE: -- they both have
- 23 a part in it, Mr. Peters, I guess.
- MR. BOB PETERS: Okay. Well, that's
- 25 fine. I Appreciate that.

- 1 IFRS is to replace and become Canadian
- 2 General Accepted Accounting Principles?
- MR. DARREN RAINKIE: It'll no longer be
- 4 called that, of course, but that would be the
- 5 accounting principles that are generally accepted in
- 6 can -- in Canada as the other countries in the world
- 7 that adopt IFRS.
- 8 MR. BOB PETERS: It'll just be known as
- 9 Canadian GAAP, G-A-A-P?
- 10 MR. DARREN RAINKIE: I don't think
- 11 it'll be called Canadian GAAP anymore. I think it'll
- 12 just be called IFRS. In fact, I know it'll be called
- 13 IFRS, Mr. Peters.
- 14 MR. BOB PETERS: And that's to provide
- 15 the assurance that, on an international basis, people
- 16 are complying with the stain -- the same reporting
- 17 standards.
- MR. DARREN RAINKIE: Yes, it's recog --
- 19 recognizing that in today's world capital flows all
- 20 over the world and that it's desirable -- desirable to
- 21 have, you know, comparable accounting practices in
- 22 various countries.
- 23 MR. BOB PETERS: Am I correct, Mr.
- 24 Rainkie, that at the current time, Manitoba Hydro has
- 25 invoked US GAAP to continue its rate regulating

- 1 accounting?
- MR. DARREN RAINKIE: That's right, Mr.
- 3 Peters. That's commonly as -- what's been done for
- 4 those companies that haven't moved to -- fully to IFRS
- 5 or US GAAP. They've invoked US GAAP to -- to continue
- 6 rate regulated accounting.
- 7 MR. BOB PETERS: Has Manitoba Hydro
- 8 been using rate related accounting since its inception?
- 9 Don't look to Mr. Warden for the answer to that. Was
- 10 that your expectation, that that's been the way it's
- 11 been since the beginning?
- 12 MR. DARREN RAINKIE: You know, Mr.
- 13 Peters, I -- I don't -- I don't know. I'm not sure
- 14 when that practice originated. It's been around as
- 15 long as I've been around, but I haven't been around as
- 16 long as Mr. Warden.
- MR. BOB PETERS: He started the week
- 18 before you, didn't he.
- 19 MR. VINCE WARDEN: Yeah. He takes
- 20 every opportunity he can get.
- MR. BOB PETERS: You --
- MR. VINCE WARDEN: But, no, if you go
- 23 back in history though we didn't refer to it as "rate-
- 24 regulated accounting", and we didn't set it up as a
- 25 separate item on the balance sheet.

1476 So although we -- we followed certain 1 regulatory accounting principles, which our auditors would not have signed off on our financial statements 3 without the implicit endorsement, even though the endorsement wasn't explicit by the -- by the regulator, that impli -- because the regulator did approve our 7 rates and approved in effect our -- our financial statements as a part of that, again not explicitly, that's what lead the -- or allowed the external auditor to sign off on those -- on those financial statements. 10 11 MR. BOB PETERS: But Manitoba Hydro has been using rate regulated accounting, or whatever the 13 terminology would be, since time immemorial. 14 MR. VINCE WARDEN: Yes. 15 MR. BOB PETERS: And we've -- we've alluded to it a few times, but IFRS was to be 16 17 implemented for years commencing on and after January 1 18 of 2011 in its initial decree. 19 Have I got that right? 20 MR. DARREN RAINKIE: That's right. 21 would have been applied for the 2011/'12 fiscal year. 22 MR. BOB PETERS: It'd be Manitoba 23 Hydro's fiscal '12 year? 24 MR. DARREN RAINKIE: That's correct. 25 MR. BOB PETERS: And -- but rate-

- 1 regulated accounting, as I understand it, was an issue
- 2 because it was not allowed under IFRS, But all
- 3 utilities, at least in North America, that are
- 4 regulated were using rate regulated accounting?
- 5 MR. DARREN RAINKIE: I can't speak for
- 6 all of them, but I think that's a very common practice
- 7 in North America. And it's not a very common practice
- 8 outside of North America, Mr. Peters.
- 9 MR. BOB PETERS: All right. And rate-
- 10 regulated accounting is allowed under Canadian GAAP and
- 11 under US GAAP?
- 12 MR. DARREN RAINKIE: Yes, it's an
- 13 acceptable practice under both Canadian and US GAAP.
- 14 MR. BOB PETERS: And, in my words,
- 15 because of the outcry by regulated utilities and
- 16 regulators, the Accounting Standards Board, both
- 17 Canadian and international, have agreed to study the
- 18 matter further?
- 19 MR. DARREN RAINKIE: Yes, if you
- 20 recall, at one (1) time there was actually an exposure
- 21 draft allowing rate-regulated accounting back in the
- 22 summer of 2009. And then by the fall of 2010, they
- 23 decided they had better things to do. And recently in
- 24 the last number of months, fortunately, it's back on
- 25 the agenda.

- 1 MR. BOB PETERS: Okay. I'm going to
- 2 try to slow you down, Mr. Rainkie, but the exposure dra
- 3 -- draft that you mentioned to the Board was the, in my
- 4 words again, the Accounting Standards Board's way of
- 5 studying an issue?
- 6 MR. DARREN RAINKIE: Yes, it's part of
- 7 their public process, is to issue a draft standard and
- 8 then seek comments from interested parties.
- 9 MR. BOB PETERS: And when they issued
- 10 that exposure draft, did Manitoba Hydro provide
- 11 comments?
- 12 MR. DARREN RAINKIE: Yes, we provided
- 13 comments, both individually and as part of the Canadian
- 14 Electrical Association.
- MR. BOB PETERS: It all led up to a
- 16 deferral -- I'll call it "Deferral number 1" -- in
- 17 approximately September of 2010?
- 18 MR. DARREN RAINKIE: That's right. The
- 19 Canadian Accounting Standards Board reacting to the --
- 20 I guess the indecision of the international board,
- 21 decided that they would defer IFRS for one (1) more
- 22 year at that point.
- 23 MR. BOB PETERS: And so it was -- it
- 24 was deferred from Manitoba Hydro's fiscal 2012 year, to
- 25 Manitoba Hydro's fiscal 2013 year?

- 1 MR. DARREN RAINKIE: That's correct,
- 2 Mr. Peters.
- 3 MR. BOB PETERS: But do I have it
- 4 correct that regulated utilities, and perhaps even
- 5 regulators, continued their opposition, and in -- and
- 6 in March of 2012, IFRS was again delayed and this time
- 7 to Manitoba Hydro's fiscal 2014 year?
- MR. DARREN RAINKIE: That's right.
- 9 Once again, the Canadian Accounting Standards Board
- 10 took stock of the situation and felt that a -- a
- 11 further deferral was -- as a reasonable thing to do.
- 12 Really didn't want to have the situation where
- 13 regulated utilities would write all of these assets off
- 14 their books, only to find that there was a standard a
- 15 year or two (2) later that required them to put it back
- 16 -- put these things back on their books. So it was
- 17 recognizing that situation, Mr. Peters.
- 18 MR. BOB PETERS: And that was -- that's
- 19 Deferral number 2, then, of what we talked about?
- 20 Another one (1) year deferral?
- MR. DARREN RAINKIE: Deferral number 2,
- 22 Mr. Peters, yes.
- 23 MR. BOB PETERS: All right. Was there
- 24 not also the concern, Mr. Rainkie, that there could be
- 25 significant asset write-downs and impairments?

- 1 MR. DARREN RAINKIE: I'm not sure about
- 2 the impairment parts, but -- but -- or impairment part,
- 3 but I think there was concern that billions of dollars
- 4 of freight regulated assets would be written off at
- 5 that point. And, like I said, there was still
- 6 uncertainty about how this was -- this issue was going
- 7 to finally be -- be resolved. And I think the Canadian
- 8 Board wanted to -- some time to see -- take some time
- 9 to see what was going to happen.
- MR. BOB PETERS: And that's
- 11 particularly true for utilities that make large capital
- 12 investments that last many decades, and those utilities
- 13 that recover those costs gradually over time?
- 14 MR. DARREN RAINKIE: There's all sorts
- 15 of rate-regulated accounts, Mr. Peters. There's -- you
- 16 know, on the gas side of the business there's commodity
- 17 deferrals and -- and there's Power Smart deferrals, as
- 18 we have. There's just a huge number of different
- 19 reasons why you might use rate-regulated accounting in
- 20 -- in our industry.
- 21 MR. BOB PETERS: So at that point in
- 22 time Hydro prepared the GRA, the 2012/'13 and the
- 23 2013/'14 GRA, that brings us here today, with Manitoba
- 24 Hydro expecting that it had to adopt IFRS for fiscal
- 25 2013/'14, which is Manitoba Hydro's second test year

- 1 before this Board?
- 2 MR. DARREN RAINKIE: That's right. If
- 3 you recall one (1) of the changes between IFF11 and
- 4 IFF11-2 we talked about was moving IFRS to 2013/'14,
- 5 the second deferral, as you referred to it.
- 6 MR. BOB PETERS: But then Deferral
- 7 number 3 comes along, and that was in September of
- 8 2012. The Accounting Standards Board granted this
- 9 third deferral of IFRS implementation for entities with
- 10 qualifying rate-regulated activities?
- MR. DARREN RAINKIE: Yes. I think we
- 12 were just in the final strokes of our first Information
- 13 Request process when that came out on September 19th,
- 14 is my memory.
- 15 MR. BOB PETERS: And the deferral is,
- 16 again, one (1) additional year at this point in time?
- 17 MR. DARREN RAINKIE: That's right. To
- 18 our 2014/'15 fiscal year.
- 19 MR. BOB PETERS: And it's for further
- 20 study?
- 21 MR. DARREN RAINKIE: Yes. I think
- 22 there are meetings that were happening on December
- 23 17th. I don't -- I haven't heard the final
- 24 determination from those meetings, but they're ongoing
- 25 as we speak, Mr. -- Mr. Peters.

- 1 MR. BOB PETERS: And, well, maybe you
- 2 can enlighten the Board as to what Hydro's
- 3 understanding is of these meetings where this issue is
- 4 being discussed.
- 5 MR. DARREN RAINKIE: They're -- I think
- 6 as we alluded to in our rebuttal evidence in my direct,
- 7 the International Board is trying to determine the path
- 8 forward right now. I think their staff is recommending
- 9 that an interim standard be issued that would allow
- 10 countries such as Canada to maintain their current
- 11 practices while a final standard is being developed,
- 12 which probably wouldn't be in place until about 2016.
- Others favour not doing anything on an
- 14 interim basis and just waiting until the final standard
- 15 is -- is issued. So there's still some dissension, I
- 16 think, on the International Board whether or not there
- 17 should be some interim standards for select countries
- 18 like Canada.
- 19 MR. BOB PETERS: The interim standard
- 20 would permit Canada to continue with rate-regulated
- 21 accounting?
- MR. DARREN RAINKIE: Yes. It would be
- 23 a grandfathering, is how they've described it, until
- 24 the final standard is developed, if it is ever
- 25 developed.

- 1 MR. BOB PETERS: But the
- 2 grandfathering, in terms of Manitoba Hydro, wouldn't
- 3 change when the new standard came in. It would be the
- 4 -- the present view is that if it was grandfathered it
- 5 would be forever grandfathered.
- 6 Is that your understanding?
- 7 MR. DARREN RAINKIE: No, Mr Peters. It
- 8 would be grandfa -- our current practices would be
- 9 maintained until the International Accounting Standards
- 10 Board decided whether or not they were going to issue a
- 11 standard. As we saw back in 2009/'10, even if you
- 12 issue an exposure draft, the whole thing can fall apart
- 13 if they get negative comments from the rest of the
- 14 world.
- So you can't, at this point, suppose
- 16 what the International Board is going to do.
- 17 Ultimately, I think and I hope that -- that they will,
- 18 you know, listen to reason and give us an interim
- 19 standard while they're sorting out the longer term.
- 20 MR. BOB PETERS: The interim standard
- 21 is being recommended by the staff of the Accounting
- 22 Standards Board?
- 23 MR. DARREN RAINKIE: Yes. That -- they
- 24 never make a clear recommendation. They favour certain
- 25 things, but I think if you read between the lines,

- 1 that's what the staff of the International Board is
- 2 recommending. But the -- I caution that the Board
- 3 doesn't always follow what their staff is recommending,
- 4 much like the relationship that Mr. Warden and I have.
- 5 MR. VINCE WARDEN: No idea what that
- 6 means.
- 7 MR. BOB PETERS: Well spoken, Mr.
- 8 Rainkie. Let us -- let us close on that discussion by
- 9 indicating that at this point it's very unsettled as to
- 10 how IFRS will impact entities such as Manitoba Hydro
- 11 which are rate regulated?
- 12 MR. DARREN RAINKIE: It's unsettle --
- 13 unsettled for that rate-regulated accounting portion of
- 14 the discussion, Mr. Peters. Of course there are other
- 15 issues like how you account for benefits and -- that
- 16 aren't up in the air, but it's particularly that rate-
- 17 regulated accounting piece that we're still debating.
- 18 MR. BOB PETERS: Is Manitoba Hydro
- 19 making any representations to these meetings that are
- 20 ongoing, Mr. Rainkie?
- 21 MR. DARREN RAINKIE: We -- we continue
- 22 our participation in the CEA, and they are continuing
- 23 to lobby behind the scenes. Mr. Peters, at this point,
- 24 there hasn't been any solicitation for further comments
- 25 and letters. And, I assume, once -- if they do issue a

- 1 -- a interim standard, that that same solicitation will
- 2 occur and we will provide some correspondence on that.
- MR. BOB PETERS: Does Manitoba Hydro's
- 4 auditors take a position or advance a presentation
- 5 related to this matter?
- 6 MR. DARREN RAINKIE: No, their -- their
- 7 job is to audit the standards as they exist. Although,
- 8 the big four (4) firms did comment on the original
- 9 exposure draft; and there were mixed comments all over
- 10 the place on the original exposure draft, Mr. Peters.
- 11 Yeah, I'll maybe just leave that at that.
- 12 MR. BOB PETERS: Do I -- and I don't
- 13 want to read anything further into your president's
- 14 comments when he was here, but is the current
- 15 expectation of Manitoba Hydro that the International
- 16 Accounting Standards Board may yield to the request
- 17 from North America to continue rate-regulated
- 18 accounting?
- 19 MR. VINCE WARDEN: Mr. Peters, maybe
- 20 I'll just pick -- pick up that one. Our financial
- 21 forecast reflects our -- our expectation, or at -- at
- 22 the time we put our financial forecast together that
- 23 was our expectation of what the future -- how the
- 24 future would unfold.
- I do have to reiterate though, it's --

- 1 either way it's not real significant for Manitoba
- 2 Hydro. It does take that one (1) time hit on retained
- 3 earnings, but our retained earnings are sufficient to
- 4 withstand that, and it's not going to be a rate impact
- 5 to Manitoba Hydro -- or to Manitoba -- Manitoba Hydro's
- 6 consumers.
- 7 MR. BOB PETERS: Let's discuss with the
- 8 Board, if we could, other options related to IFRS.
- 9 MR. RAYMOND LAFOND: Mr. Peters --
- MR. BOB PETERS: Yes?
- 11 MR. RAYMOND LAFOND: -- before we move
- 12 to that, I just have one (1) question on Exhibit 15,
- 13 page 45, the reason there's really no impact in the
- 14 future except for this one (1) time hit in 2014/'15 --
- 15 2014, the net salvage removal from depreciation, which
- 16 really offsets all the other -- most of the other major
- 17 negative impact to the net income. Now, is that
- 18 somewhat related, or totally unrelated, to the
- 19 depreciation study we will be looking at? And to be
- 20 very precise, that number would simply not be there in
- 21 spite of whatever we'll be looking at in terms of
- 22 depreciation methods?
- 23 MR. DARREN RAINKIE: First of all, the
- 24 -- that whole topic will be -- is part of our
- 25 depreciation study. And I'm not sure I'm clear on your

- 1 second question. Sorry, Mr. Lafond.
- MR. RAYMOND LAFOND: Oh, essentially,
- 3 if we did not move to IFRS, this \$63 million figure for
- 4 2014/2015, on page 45 of Exhibit 15, would not be there
- 5 and -- and -- if we did not adapt IFI -- IFRS, and it
- 6 would not have an impact over the depreciation study,
- 7 or would it?
- MR. DARREN RAINKIE: In answer to the
- 9 first question, including net salvage and depreciation
- 10 rates is not IFRS compliant, so our reason for removing
- 11 it from depreciation rates is the -- is the -- is if --
- 12 is the fact that we're going to have to move to IFRS.

13

14 (BRIEF PAUSE)

- 16 MR. VINCE WARDEN: Mr. Lafond, as -- as
- 17 indicated earlier, our financial forecast has been
- 18 prepared assuming that IFRS will be adopted effective
- 19 April the 1st, 2014. If, in fact, it was further
- 20 deferred, and that's a real possibility based on the
- 21 current discussions that are now ongoing, we would have
- 22 to consider whether or not we would make this change to
- 23 our depreciation rates.
- 24 That -- so that would be a policy
- 25 decision that we would have to make at that time. And

- 1 the possibility is that we would further defer that --
- 2 that change to our depreciation rates such that the sal
- 3 -- the net salvage value could remain as a component of
- 4 -- of those rates.
- 5 MR. RAYMOND LAFOND: Thank you. Maybe
- 6 after we've gone through the depreciation analysis and
- 7 study I -- we can maybe revisit that. But it may be
- 8 cleared up by then. Thank you.
- 9 MR. VINCE WARDEN: Yes, I agree.

- 11 CONTINUED BY MR. BOB PETERS:
- 12 MR. BOB PETERS: Mr. Rainkie and Mr.
- 13 Warden, other Canadian utilities and regulators have
- 14 adopted US GAAP for financial reporting reasons?
- MR. DARREN RAINKIE: That's correct,
- 16 Mr. Peters.
- MR. BOB PETERS: And, in fact, you've
- 18 told the Board that Manitoba Hydro is using US GAAP
- 19 currently for financial reporting?
- 20 MR. DARREN RAINKIE: Only as it relates
- 21 to rate regulated accounting.
- MR. BOB PETERS: And have since 2009?
- 23 MR. DARREN RAINKIE: Well, I think that
- 24 practice has always been a bit of a reference over to
- 25 US GAAP, Mr. -- Mr. Peters. But the only aspect of US

1489 GAAP that we're having now, let's be clear in our statements, is -- is rate-regulated accounting. 3 (BRIEF PAUSE) 5 6 MR. RAYMOND LAFOND: I'm going to ask a 7 further question on rate-regulated accounting. I can understand the logic behind all this. However, once you start having a major portion of your sales or 10 output going to exports, then this issue of rate 11 regulated does not apply as well. Am I right in that? 12 MR. DARREN RAINKIE: Really, the -- the 13 -- those companies that can use rate-regulated 14 accounting are those that -- where their rates are set 15 by a regulator and there is an expectation that you'll 16 recover the amounts that you defer. And that's really 17 the -- the only criteria to using rate-regulated 18 accounting. You can have export sales and it doesn't -19 - it doesn't negate that ability to use rate-regulated 20 accounting. 21 MR. RAYMOND LAFOND: But at a point in 22 time when export sales are -- for instance, a major or 23 the majority of your total sales, rate-regulated 24 accounting does not make much sense because your 25 revenues have nothing to do with rate regulation.

- 1 MR. VINCE WARDEN: Well, our domestic
- 2 rates will always be subject to rate regulation.
- 3 MR. RAYMOND LAFOND: That I understand.
- 4 But the -- the logic of applying these accounting
- 5 principles or reg -- or regulated accounting to the
- 6 portion pertaining to exports is problematic, in terms
- 7 of reasoning behind it all.
- 8 MR. VINCE WARDEN: Don't think so.
- 9 Revenues are still revenues, and they're accounted as
- 10 such through -- whether they be Canadian,
- 11 international, or US standards, they're -- they would
- 12 be accounted for in the same manner.
- So, no, I don't -- I don't think the way
- 14 we do our accounting is any way affected by our US
- 15 sales.
- 16 MR. RAYMOND LAFOND: Except that the
- 17 revenues in regards to exports are certainly not rate
- 18 regulated.
- 19 MR. VINCE WARDEN: Oh, yeah, no, the --
- 20 the revenues are not -- are not rate regulated, for
- 21 sure, the export sale revenues. We're only talking,
- 22 though, rate-regulated accounting as it pertains to, in
- 23 Manitoba Hydro's case, certain assets.
- 24 So the assets that were -- were -- that
- 25 are mainly, primarily affected by rate-regulated

- 1 accounting are Power Smart -- Smart -- Power Smart
- 2 programs and demand-side management. It does not
- 3 impact revenues.
- 4 MR. RAYMOND LAFOND: Thank you. That
- 5 clarifies things in my mind.
- 6 MR. VINCE WARDEN: You might just refer
- 7 to -- Mr. Rainkie was referring to the US GAAP, or --
- 8 or the Financial Accounting Standards Board, FASB as
- 9 it's known in the US. That's referenced in note 1 to
- 10 our financial -- or, for our -- our accounting
- 11 policies, which is referenced on page 62 of Manitoba
- 12 Hydro's annual report.

- 14 CONTINUED BY MR. BOB PETERS:
- MR. BOB PETERS: Mr. Rainkie, the
- 16 Ontario Energy Board has allowed its utilities to
- 17 continue with US GAAP?
- 18 MR. DARREN RAINKIE: I think it's been
- 19 done on a case-by-case basis, Mr. Peters, as far as I
- 20 know.
- 21 MR. BOB PETERS: Likewise in Alberta?
- MR. DARREN RAINKIE: Yeah, a lot of the
- 23 companies have moved to US GAAP, and part and parcel of
- 24 that has been to ask their regulators to accept US GAAP
- 25 for rate setting as well.

1492 MR. BOB PETERS: But -- but if it's on 1 a case-by-case basis, it's always been related to rateregulated accounts? 3 MR. DARREN RAINKIE: Well, I think that's the primary reason, is to avoid that writeoff, Mr. -- Mr. Peters, and the uncertainty of how to deal with that writeoff from a rate-setting perspective. 7 8 MR. BOB PETERS: And just to bring this 9 Board current to -- to the last time Manitoba Hydro was 10 before the Board, on page 187 of the book of documents, 11 is an extract from Board Order 5/12, page 96 of that 12 order. And in the middle of the page, there's a quote: 13 "Since IFRS result in changes to the 14 timing when certain costs will be 15 recognized in its operating accounts, 16 Manitoba Hydro believes that some 17 mechanism may be required to defer 18 certain costs for rate-setting 19 purposes. Manitoba Hydro stated that it would provide the Board with 20 alternatives to consider at the 21 22 appropriate time." 23 Do you recall that, Mr. Warden? 24 MR. VINCE WARDEN: Yes, I do. And I don't think we're quite at that time yet, because

1493 there's still some uncertainty as to what -- where we're going with IFRS. 3 MR. BOB PETERS: And that's a matter better addressed at the next GRA, when it deals with test years commencing for your fiscal 2015 year? 6 MR. VINCE WARDEN: Yes. And again, 7 probably the major issue there again is our demand-side management Power Smart programs, as to whether or not it's appropriate to write those off in the year that 10 they're incurred as required under IFRS or whether 11 there's some form of amortization would be appropriate 12 for rate-setting purposes. 13 14 (BRIEF PAUSE) 15 16 MR. BOB PETERS: Mr. Rainkie, if we turn to page 190 in the book of documents, there is an 17 18 extract from the Alberta Utilities Commission. And I 19 think it's the same one that we've seen previously, sir. This was the rule that Alberta Utilities 20 21 Commission established with respect to rate regulatory 22 -- rate-regulated accounting? 23 MR. DARREN RAINKIE: That's right. 24 - I struggle in terms of who this rule really applies 25 to anymore. I suppose there are a few utilities that

- 1 have moved to IFRS, but most -- most of them, I think,
- 2 are in US GAAP. So I'm not even sure about the
- 3 application of this -- this rule in practice.
- 4 MR. BOB PETERS: Or -- or does this
- 5 rule -- is this rule what precipitated the utilities
- 6 from asking to stay with US GAAP?
- 7 MR. DARREN RAINKIE: I think what
- 8 precipitated the utilities is the fact that they, as
- 9 Mr. Warden mentioned, have had large balances of rate-
- 10 regulated assets on their balance sheet. And moving to
- 11 IFRS just wouldn't work for them.
- 12 You know, in our situation, we're in a
- 13 much better situation with a smaller amount of those
- 14 asse -- those assets. I mean, this issue is really the
- 15 fiscal cliff of utilities. Some utilities, as I
- 16 mentioned in my direct, had as many rate-regulated
- 17 assets as they did equity. So if they moved to IFRS,
- 18 poof, all their retained earnings for the whole history
- 19 of their company is gone.
- 20 And, you know, there's a lot of
- 21 uncertainty in that in terms of what's the regulatory
- 22 treatment if you start writing off these assets? So
- 23 rather than go through that uncertainty, I think they
- 24 were able to maintain the status quo by moving to US
- 25 GAAP.

PUB - MANITOBA HYDRO GRA 12-17-2012 1495 1 THE CHAIRPERSON: Looking -- looking at some of the major utilities in Canada, what -- what element of the IFRS is of particular significance to 3 them? 5 MR. DARREN RAINKIE: It -- it's really the rate-regulated asset and liability issue, Mr. 7 Chairman. It -- it's -- they just have a large proportion of their assets that are rate-regulated assets. And, you know, there are various other 10 accounting practices in the -- in the industry that --

- that wouldn't survive, like negative salvage value, as 11
- 12 we just talked about, under a move to IFRS.
- 13 So I think while the uncertainty existed
- 14 about the status of rate-regulated accounting under
- 15 IFRS, the other utilities that moved to US GAAP simply
- 16 wanted to maintain the status quo until there is some
- finalization of that issue. 17
- 18 And I -- I should mention, before I
- 19 forget, you know, we've talked about other companies
- moving to a US GAAP. But for companies -- there's two
- 21 (2) ways to do that. One is to register yourself with
- 22 the Securities Exchange in the United States, which is
- 23 a fairly extraordinary thing to do, or go and ask your
- 24 provincial securities exchange commission for a
- deferral of IFRS. And that's what this US GAAP is, is 25

- 1 a deferral.
- 2 They only, right now, have a deferral to
- 3 2015. So when we talk about it in these proceedings,
- 4 let's not, you know, think about it as a long-term
- 5 solution, because it isn't right now. I mean, who
- 6 knows what the securities commissions will do. If the
- 7 International Board is actually working on a solution,
- 8 they might give these companies another year or two (2)
- 9 as well. But it should be clear that for a lot of
- 10 these utilities that haven't registered themselves with
- 11 the Securities Exchange in the United States, this is a
- 12 short-term measure.
- MR. RAYMOND LAFOND: Why would the
- 14 regulated assets of a utility like BC Hydro
- 15 proportionally be so much higher than Manitoba Hydro?
- 16 MR. DARREN RAINKIE: Well, I like to
- 17 think at Manitoba Hydro that we have judiciously used
- 18 rate-regulated assets. But there's all type -- all
- 19 different types of deferral accounts. You can -- if --
- 20 let's say you are writing -- writing off some plant.
- 21 Let's say you've made some expenditures on -- on some
- 22 particular piece of plant that you decided you were
- 23 going to no longer pursue. You could set that up as a
- 24 deferral account. Let's say that you -- some companies
- 25 have fuel cost adjustments accounts, so they -- they

- 1 look at the difference between what is embedded in
- 2 rates -- in fact, Centra, in Manitoba, has this -- and
- 3 what the actual cost of gas is. And they defer those.
- So over time, there's been a
- 5 proliferation of a -- just a huge number of different
- 6 accounts that have been set up for the purposes of
- 7 smoothing rates. And, you know, I'll leave it to
- 8 others' judgements whether that really helps customers
- 9 or if that's just deferring costs to the future. I
- 10 mean, there's a debate -- debate on that.
- I recall the BC Auditor General, you
- 12 know, this report that we're going to file on BC Hydro,
- 13 we've talked about the operating cost part of it, but
- 14 there's also a section of that report that talks about
- 15 the use of rate-regulated accounts and concern that
- 16 those balances are growing and continue to grow.
- 17 So I think here we've used this practice
- 18 judiciously, and it's -- it's been to our benefit. You
- 19 can thank Mr. Warden and Mr. Brennan for that.
- 20 MR. VINCE WARDEN: Especially Mr.
- 21 Warden.
- MR. RAYMOND LAFOND: That was a change.
- 23 MR. VINCE WARDEN: I can say that now.
- 24 That guy's gone.
- I do, though -- I do just happen to have

1498 a list of the deferral accounts -- the major deferral accounts of BC Hydro, because it is quite a significant difference between what we have. So -- and this is at 3 March of 2011. It was related to that study that I referred to earlier, BC Hydro study. So it was 2.1 billion at that point in 6 time and now 2.4 billion. But deferral -- they have twenty-nine (29) deferral accounts at BC Hydro. DSM is 506 million; First Nation negotiation settlement costs, 400 million; PCB environmental compliance, 231 million; 10 11 variance between forecast and actual costs and rate 12 applications, which is a curious one, but that's \$600 13 million. So, yes, they have -- their deferral account 14 is much -- much larger than at Manitoba Hydro. 15 MR. RAYMOND LAFOND: Thank you. 16 appreciate that. 17 18 CONTINUED BY MR. BOB PETERS: 19 MR. BOB PETERS: And --20 MR. DARREN RAINKIE: And, Mr. -- Mr. 21 Lafond, just one other aspect of this before I forget 22 is that you also have to think about how these other 23 companies are regulated. They're regulated under -- a 24 lot of them under a rate-based rate of return methodology, where the revenues that are allowed by the

- 1 regulator are based on the build-up of your costs plus
- 2 a return on your rate base. And so it's a very strict
- 3 methodology of rate setting, where a dollar of cost
- 4 goes up, rates go up a dollar; if the dollar of cost go
- 5 down, rates go down a dollar.
- At Manitoba Hydro, we have what we refer
- 7 to as the, you know, cost of service rate-setting
- 8 methodology, where what we do is we use the revenue
- 9 increases that we ask for to smooth rates. We don't
- 10 ask for large, volatile rate increases. We tend to ask
- 11 for regular, reasonable rate increases, moderate rate
- 12 increases.
- 13 And so that's another reason why we
- 14 don't have to be fearful about IFRS as it relates to
- 15 rate setting. If we continue to do what we've done in
- 16 the past, we can very successfully manage any impacts
- 17 of IFRS, as far as I'm concerned, without resorting to
- 18 any type of accounting gimmicks or -- or anything like
- 19 that, because, you know what? Deferring costs on your
- 20 balance sheet doesn't improve your financial integrity.
- 21 MR. BOB PETERS: Mr. Rainkie and Mr.
- 22 Warden, for the benefit of the Board, if we could turn
- 23 to page 203 of the book of documents, 2-0-3, this is
- 24 Manitoba Hydro's response to an Information Request,
- 25 but it -- I think it was PUB/Manitoba Hydro First Round

- 1 42. But I wanted to turn to page 203 with you, and go
- 2 down to the line ite -- go down to the line items on
- 3 that page.
- This, Mr. Rainkie and Mr. Warden, you
- 5 can confirm to the Board, is to demonstrate the impact
- 6 to retained earnings of the rate impl -- of the rate
- 7 application that was filed premised on IFF11-2?
- 8 Is that correct?
- 9 MR. DARREN RAINKIE: It demonstrates,
- 10 yeah, the -- the impact on retained earnings of the
- 11 accounting changes in general, both Canadian and IFRS,
- 12 Mr. Peters.
- MR. BOB PETERS: Right. And the page
- 14 I'm on talks about impact to retained earnings
- 15 specifically, Mr. Rainkie?
- 16 MR. DARREN RAINKIE: That's correct.
- MR. BOB PETERS: And Mr. Warden listed
- 18 off a number of BC Hydro accounts that are being
- 19 treated as rate-regulated assets. If we go down to the
- 20 middle of the chart and we see the -- the write-offs to
- 21 Power Smart programs, that \$183 million is the largest
- 22 of the rate-regulated accounts of the Utility, Mr.
- 23 Warden and Mr. Rainkie?
- 24 MR. DARREN RAINKIE: That's right.
- 25 It's our largest rate-regulated account.

- 1 MR. BOB PETERS: And then you have site
- 2 remediation at \$36 million. What does that relate to,
- 3 Mr. Rainkie?
- 4 MR. DARREN RAINKIE: The remediation of
- 5 contaminated lands, Mr. Peters, like you -- under --
- 6 without rate-regulated accounting you would expense
- 7 those costs, because they don't increase the productive
- 8 value of those lands. But it's one (1) of -- one (1)
- 9 of our few rate-regulated items.
- 10 MR. BOB PETERS: And which contaminated
- 11 lands is that relating to, do you know?
- MR. DARREN RAINKIE: Oh, they're in
- 13 various places, Mr. Peters. I'm not sure if we cover
- 14 that off in note 1 to our financial statements, but we
- 15 could --
- 16 MR. BOB PETERS: Was it related to --
- 17 to thermal -- thermal sites?
- 18 MR. DARREN RAINKIE: I think it's
- 19 related to any sites, Mr. Peters. I'd -- I'd have to
- 20 check on -- on that.
- 21 MR. BOB PETERS: Well, not at this
- 22 time. I'm not asking for that, Mr. Rainkie. Then you
- 23 also have the acquisition of Centra Gas, Manitoba Inc.,
- 24 and Manitoba Hydro. There's an additional \$20 million
- 25 that's currently in a -- rate-regulated account?

1502 1 MR. DARREN RAINKIE: That's correct, Mr. Peters. 3 MR. BOB PETERS: And --MR. RAYMOND LAFOND: That would be goodwill? MR. DARREN RAINKIE: No, that was the 6 7 acquisition and integration costs of Centra Gas. 8 MR. RAYMOND LAFOND: Acquisition and...? 9 10 MR. DARREN RAINKIE: Acquisition and 11 integration costs of Centra Gas. 12 13 CONTINUED BY MR. BOB PETERS: MR. BOB PETERS: There's an annual 14 15 payment that's made by Manitoba Hydro to the City of Winnipeg; is that included in that at all, Mr. -- Mr. 17 Rainkie? 18 MR. VINCE WARDEN: No. 19 MR. BOB PETERS: Where does that show up as an expense item, Mr. Warden, can you remind the Board? 21 22 MR. VINCE WARDEN: It shows up in 23 finance expense every year. 24 MR. BOB PETERS: Okay. And that's a

\$16 million annual payment?

1503 1 MR. VINCE WARDEN: It is, yes. 2 MR. BOB PETERS: In perpetuity? 3 MR. VINCE WARDEN: Yes. MR. BOB PETERS: Okay. And there's also regulatory costs of \$2 million that are also set up as a rate-regulated account? 7 MR. DARREN RAINKIE: Yes, those would be the costs of regulatory proceedings, Mr. Peters. 9 MR. BOB PETERS: Right. And that, in 10 my calculation, Mr. Rainkie, is the \$241 million that was -- was the amount that was shown in IFF11-2 to be 11 12 written off on the -- on the balance sheet? 13 MR. DARREN RAINKIE: I lost you, Mr. 14 Peters, in that last question, sorry. We're talking 15 about \$2 million of rate --16 MR. BOB PETERS: No. No, I was --17 sorry, I was talking about \$241 million, the -- the 18 total of all of those items we've just talked about. 19 If I sum up the Power Smart, the site remediation, the acquisition, and the regulatory costs, that's the --21 that's the sum total of all of the regulatory accounts 22 that Manitoba Hydro has? 23 MR. DARREN RAINKIE: That's right; as

MR. BOB PETERS: Are there other ones

depicted here, Mr. Peters.

24

- 1 that aren't depicted here, Mr. Rainkie?
- MR. DARREN RAINKIE: No, Mr. Peters,
- 3 those are all -- the whole -- the full list of them.
- 4 MR. BOB PETERS: Okay. And when we go
- 5 back to page 190 to look at the -- the guiding
- 6 principles that were set up. And -- and, Mr. Rainkie,
- 7 you've had a chance to compare the guiding principles
- 8 from Alberta to Ontario, and would you agree that
- 9 they're relatively comparable?
- 10 MR. DARREN RAINKIE: I think we went
- 11 through this last year, right, Mr. Peters, and --
- MR. BOB PETERS: What was your answer
- 13 then?
- 14 MR. DARREN RAINKIE: -- I think it was
- 15 "yes".
- 16 MR. BOB PETERS: Okay. And the reason
- 17 I raise that, Mr. Rainkie, is that in terms of these
- 18 principles, these principles, could they equally apply
- 19 to Manitoba -- to Manitoba Hydro?

20

21 (BRIEF PAUSE)

- 23 MR. DARREN RAINKIE: I think princ --
- 24 principles are generally the same across jurisdictions.
- 25 You know -- but if we went into each one, and I don't

- 1 really want to but, you know, there's one (1) here, I
- 2 think, that talks about standardizing practices between
- 3 utilities. Well, that's not applicable in our case.
- So, you know, the general principle that
- 5 the Public Utilities Board can, you know, is --
- 6 determines how rates are set, I'll agree with that one,
- 7 Mr. Peters. But if you've read our evidence and you
- 8 understand our evidence, we're saying because of our
- 9 cost of service rate-setting methodology we don't have
- 10 to resort to two (2) sets of books that might be
- 11 implied through these principles to protect the
- 12 customers in Manitoba. So if I was agreeing to this
- 13 principle I wouldn't be agreeing to two (2) sets of
- 14 books, because I don't think we need to do it, Mr.
- 15 Peters, and I just want to make sure that the Company's
- 16 position is clear.
- 17 MR. BOB PETERS: I think you've made it
- 18 clear. And -- and just so that we can be certain that
- 19 we have your point, Mr. Rainkie, you're saying writing
- 20 off \$241 million against retained earnings while an
- 21 absolute big number compared to the 2.5 billion of
- 22 retained earnings Manitoba Hydro can absorb that
- 23 writeoff?
- 24 MR. DARREN RAINKIE: Yes, we don't have
- 25 to ask for that recovery of that amount in the year its

1506 written off through -- for customers, so -- and in fact as I indicated earlier it largely reverses itself over the ten (10) years of the forecast. 3 So we don't have to resort to deferrals. 4 We don't have to resort to accounting gimmicks. And we don't have to resort to two (2) sets of books to make 7 this work, regardless of how the deliberations at the International Board works out; and hopefully they work out such that we never have to write this off and --10 for financial reporting purposes. I -- I keep 11 forgetting to mention that, but I just can't suppose 12 what the International Board is going to do at this time. 13 14 15 (BRIEF PAUSE) 16 17 MR. BOB PETERS: The recovery of the --18 the amount that Manitoba Hydro would write off if IFRS 19 came in the test years, and if Manitoba Hydro's proposal to write it off was accepted by this Board, 21 you're telling the Board you'd recover over a ten (10) 22 year period, Mr. Rainkie? That's your determination? 23 MR. DARREN RAINKIE: No, what I'm 24 saying is that if you look at our forecasts with and without regulatory accounting, because even if a cost

- 1 is deferred it has to be written off eventually, that
- 2 after ten (10) years our debt-to-equity ratio is about
- 3 the same under either scenario.
- 4 So what -- it -- it won't really impact
- 5 rate-setting at all, I don't think, Mr. Peters. I
- 6 mean, it's one (1) of the reasons we have retained
- 7 earnings. It's one (1) of the reasons why we want to
- 8 maintain a reasonable level of retained earnings, is
- 9 when these uncontrollable issues come up you have
- 10 something as a buffer for customers. That's the way to
- 11 protect customers; not through accounting but through
- 12 building up retained earnings over time.
- MR. BOB PETERS: But to get back to the
- 14 same level the Corporation would be had it not written
- 15 off the \$241 million as proposed in the filing based
- 16 under IFF11-2, it would take ten (10) years to reverse
- 17 that situation which implies that it takes rate
- 18 increases of some amount over the ten (10) years to get
- 19 back to that situation?
- 20 MR. DARREN RAINKIE: Mr. Peters, I
- 21 think we had the same rate increases built into IFF11-2
- 22 as we did IFF10-2 for that period, and the write-off
- 23 wasn't included in the forecast until IFF11-2. So I
- 24 don't think there are any specific rate increases
- 25 associated with that write-off in our forecasts. I

- 1 think it's just one (1) of the things we take into
- 2 consideration over the long run, Mr. Peters.
- 3 Like I -- I'm not sure where we're
- 4 getting the fact that there's an additional rate
- 5 requirement that comes out of that write-off.
- 6 MR. BOB PETERS: The -- the initial
- 7 deduction that would occur on the -- on the retained
- 8 earnings and the debt-to-equity ratio, Mr. Rainkie, of
- 9 a write off of 241 million, does that take the -- does
- 10 that take the equity ratio down two (2) or three (3)
- 11 points?
- 12 MR. DARREN RAINKIE: Yes, it -- it
- 13 does, Mr. Peters. But, once again, we're not asking or
- 14 forecasting rate increases to restore that, and that's
- 15 the point I think that's being missed in a lot of the
- 16 Information Requests; is if we were under a rate base
- 17 rate of return methodology and we wanted to maintain 25
- 18 percent, then maybe we would ask for that rate
- 19 increase, but we're not. We're accepting the decrease
- 20 and we're managing it over the life of our forecast.
- 21 As I said earlier, that's one (1) of the
- 22 reasons we have retained earnings, Mr. Peters, is to
- 23 guard against these things.
- 24 MR. BOB PETERS: Yes, Mr. Rainkie. The
- 25 reduction in the equity percentage is made up over time

- 1 and it's done through rate increases, even though not
- 2 all in the first year.
- 3 Would you agree with that?
- 4 MR. DARREN RAINKIE: Well, as I
- 5 observed earlier, Mr. Peters, between IFF11-2 and
- 6 IFF10-2, the write-off appeared between those two (2)
- 7 forecasts, and we didn't change our -- our rate
- 8 proposals, Mr. Peters. So I'm not sure I would agree
- 9 with your proposition that there's a specific rate
- 10 increase related to those -- to that write-off in our
- 11 IFF.
- 12 MR. BOB PETERS: Well, I was -- I'm not
- 13 -- I'm not connecting a dot to a particular year or
- 14 particular amount, Mr. Rainkie, but to recover from
- 15 writing off \$241 million, there's got to be \$241
- 16 million made up somewhere along the way.
- MR. VINCE WARDEN: Yes, that's fair to
- 18 say. I mean, if we're going to -- if we're going to
- 19 restore our retained earnings to what they were pre the
- 20 write-off, then -- then obviously we're going to have
- 21 to, over the long term, have rates -- rate increases
- 22 that reflect that. However, let me just qualify that
- 23 by saying that we would be amortizing -- because this
- 24 is mostly Power Smart programs and we went over the
- 25 list; it's not entirely, but for the sake of discussion

- 1 let's just assume that we're going to be writing off
- 2 those Power Smart programs, or amortizing them over ten
- 3 (10) years.
- 4 So that would be a charge against
- 5 operations of -- of \$24 million per year that we would
- 6 -- would have been charging against operations anyway.
- 7 We're not going to be charging that against operations,
- 8 because we're going -- we've written it off in one (1)
- 9 year.
- So, in effect, by not charging that
- 11 amortization, we are recovering in rates what we
- 12 otherwise -- in -- in one (1) write-off we're
- 13 recovering that over a ten (10) year period that we
- 14 would have recovered it through amortization, if that
- 15 makes sense.
- 16 MR. BOB PETERS: What you're telling
- 17 the Board is that -- and we'll -- I'll maybe come to
- 18 that specific example, Mr. Warden -- but Manitoba Hydro
- 19 would be expensing an amount almost equal to what it
- 20 would -- would be entitled to amortize under its
- 21 deferral account schedules?
- MR. VINCE WARDEN: In effect, that's
- 23 right, because our Power Smart -- we're in the kind of
- 24 a happy circumstance whereby -- in which our -- our
- 25 Power Smart programs almost equal what we would have

PUB - MANITOBA HYDRO GRA 12-17-2012 1511 been amortizing anyway. So the -- the net impact on expenses is very close to being the same. 3 MR. BOB PETERS: All right. But if the -- if the DSM spending was set at say \$60 million, and instead of amortizing that at 6 million a year, you'd be looking to make it up in one (1) year? 7 MR. VINCE WARDEN: That's under IFRS. Yes, we would have no alternative but to do that. 9 MR. BOB PETERS: All right. Thank you. Mr. Chairman, in light of the hour, this might be an 10 appropriate time for me to step down and turn it over 11 12 to the Board? 13 THE CHAIRPERSON: Do we have any 14 matters to attend to before we adjourn? 15 16 (BRIEF PAUSE) 17 18 MR. BOB PETERS: None that we're aware 19 of at this end of the room. Thank you. 20 MS. PATTI RAMAGE: No, we don't have 21 any -- anything to file this afternoon. 22 THE CHAIRPERSON: Okay. Let's adjourn 23 now and see each other again at nine o'clock tomorrow

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Warden. That was a classic.

morning. And thank you for that moment of levity, Mr.

24

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1512
                  MR. VINCE WARDEN: I'll try and think
 1
 2 of some more for tomorrow.
 3
                        (PANEL RETIRES)
 5
 6 --- Upon adjourning at 4:28 p.m.
 7
8 Certified correct,
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15 Cheryl Lavigne, Ms.
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1364:11,25	1285:13,20		1477:20	1349:4
1365:5		08/'09	1478:16,21	<b>1:03</b> 1367:20
<b>\$10</b> 1420:4	<b>\$33</b> 1338:15	1255:12	1479:20	
	<b>\$35</b> 1331:9	1404:12	1481:3,16	<b>1:1</b> 1344:3
\$10,000	<b>\$36</b> 1501:2	<b>09</b> 1253:21	1486:2,12,	<b>10</b> 1253:11
1334:6,9,1			14 1491:9	1269:25
4 1336:21	\$396,964,000	1	1501:8,14	1291:15
<b>\$100</b> 1355:4	1446:12	1 1245:5	1505:1 1507:6,7	1302:17,23
<b>\$105</b> 1298:12	<b>\$4</b> 1350:3,8	1246:20	1508:1,21	,25 1311:5,7
<b>\$11</b> 1452:17	\$41.36	1248:24	1510:8,12	1311:5,7
	1285:25	1249:8	1511:6	1327:21
<b>\$121</b> 1337:21	\$48.14	1262:1	<b>1,000</b> 1265:1	1341:18
1338:15,23	1286:2,3	1268:22	1470:3	1371:20
<b>\$126</b> 1447:18	<b>\$5</b> 1264:21	1269:8	1,300	1421:4
<b>\$13</b> 1350:12	1331:3	1273:18 1276:12	1324:23	1422:25
	1360:3	1276:12	1325:2	1425:3
<b>\$15</b> 1338:17	1367:3	1290:4	1327:10	1428:1,2,6
<b>\$16</b> 1502:25		1293:15		,15
<b>\$183</b> 1500:21	<b>\$50</b> 1302:22	1303:24,25	<b>1,693</b> 1462 <b>:</b> 22	1430:11
	1303:2 1368:6	1308:15		1442:15 1456:9
<b>\$2</b> 1503:5,15		1311:5	<b>1,700</b> 1455:8	1461:6
<b>\$2.5</b> 1427:14	<b>\$500</b> 1410:4	1328:3	1461:23	1506:3,21
<b>\$20</b> 1343:17	<b>\$6</b> 1264:22	1331:19,20	1462:22	1507:2,16,
1345:9	1338:20	1332:22	1463:7	18
1346:21	1404:21	1337:13	1466:11	1510:3,13
1501:24	<b>\$6.90</b> 1350:5	1344:2	1,754,000	10,000
<b>\$225</b> 1418:22		1349:25 1350:1	1451:5,22	1330:16
1419:7,12	<b>\$60</b> 1301:17	1350:1	1453:1	
1420:16	1511:4	1352:20	1,900	10/'11
<b>\$24</b> 1510:5	<b>\$600</b> 1498:12	1378:3	1325:6,16	1445:23 1460:14
	<b>\$63</b> 1487:3	1385:5	<b>1.1</b> 1467:23	
\$241	_	1391:7		10:51
1503:10,17	<b>\$65</b> 1331:4,11	1393:6	<b>1.6</b> 1428:11	1327:24
1505:20		1394:11	<b>1.7</b> 1417:22	<b>100</b> 1333:8
1507:15 1509:15	<b>\$7</b> 1264:22	1406:23,24	1463:6	1377:19
	<b>\$70</b> 1354:24	1410:19	1.754	101/04
<b>\$243</b> 1445:23	<b>\$8</b> 1360:20	1414:24	1453:22	1372:2
<b>\$3.34</b> 1269:4	\$9.4 1432:5	1419:21 1421:2	<b>1.8</b> 1443:9	<b>10-2</b> 1291:16
\$3.43		1422:6	<b>1.9</b> 1417:23	
1268:18	<b>\$90</b> 1298:23	1435:8		<b>103</b> 1269:24
1269:5	1301:7,14,	1440:20	<b>1/2</b> 1294:7	1276:2,4,8 1278:16
<b>\$30</b> 1327:5	17 1306:18	1444:5	1298:10,17	1280:11
1343:10,17	1312:1,10,	1445:17	<b>,</b> 20	
1344:8,9	18	1447:6	1333:13	108
1345:2,3,8	<b>\$91</b> 1350:15	1451:3	1385:5 1403:3,18	1299:7,12
1355:1		1452:14	1403:3,18	<b>11</b> 1255:24
\$31.36	0	1467:16 1468:5		1303:7
752.55		1400:0	<b>1/3</b> 1268:21	

			1490 1011 01	
1328:4	1285:12,19	1317:24	1300:4	1504:5
1349:21	12:01	1337:13	<b>160</b> 1333:10	<b>1988</b> 1318:2
1401:24	1367:19	1398:2	<b>162</b> 1405:14	<b>1990s</b> 1415:3
1442:15	<b>1242</b> 1242:24	1447:9,18		1416:8
<b>11.7</b> 1432:6		1454:4	<b>164</b> 1408:18	
11/'12	<b>1245</b> 1244:3	14/'15	<b>17</b> 1242:23	<b>19th</b> 1400:17
1267:15	<b>1246</b> 1244:4	1285:24	1285:5	1401:22
1338:18	<b>1248</b> 1245:4	1286:5	1286:20	1481:13
1442:9		1291:1	1290:4	<b>1st</b> 1307:9
1450:16	<b>1249</b> 1245:6	1292:14	1292:6	1311:17,19
1455:20	<b>125</b> 1440:3	1293:7 1294:25	1294:24	<b>,</b> 25 1312 <b>:</b> 2
1460:15	<b>1250</b> 1244:11		1300:10	1314:1
11:06		<b>142</b> 1375:15	1304:13	1407:4,9,1
1327:25	128	<b>143</b> 1375:15	1329:7	5,16,18,19
<b>111</b> 1314:23	1349:17,21	1436 1047 04	<b>170</b> 1447:8	,25 1408:1
111 1314:23	<b>1282</b> 1246:9	<b>1436</b> 1247:24	1450:16	1417:18 1487:19
11-1	<b>129</b> 1350:17	<b>145</b> 1385:3	1451:2,14,	140/:19
1293:23,25		<b>147</b> 1396:17	18,19	
<b>112</b> 1317:24	<b>12A</b> 1318:9		1452:12	2
1318:8	<b>13</b> 1279:19	<b>14A</b> 1246:4	1453:2,20	<b>2</b> 1244:6
1319:11	1320:24	1282:17,25	1460:9	1245:4
1322:4	1330:25	<b>15</b> 1340:11	<b>173</b> 1441:24	1248:12,14
1328:4	1331:1,3,7	1341:18	1459:25	,17,20
<b>11-2</b> 1300:25	1468:16	1392:22	1467:3	1250:7
1305:12	13/'14	1394:5	<b>175</b> 1469:13	1255:1,2,2 5
116/08	1284:15	1404:11		1273:19,21
1374:17	1285:8	1409:1 1430:14	<b>176</b> 1457:12	1288•23
	1290:2,16,	1430:14	<b>178</b> 1454:3,5	1290:23
<b>118</b> 1345:15	25 1303:7	1451:7	<b>179</b> 1455:18	1295:15
<b>119</b> 1345:16	1452:22	1486:12	1456:1	1301:15 <b>,</b> 20
1346:4,12	<b>130</b> 1351:14	1487:4	1460:24	1302:4,6,1
<b>12</b> 1251:19		15/'16	1463:16	7 1303:4,8
1255:24	<b>1308</b> 1246:20	1286:5	<b>17th</b> 1481:23	1304:4
1297:12	<b>131</b> 1359:2	1200:3		1309:12
1333:6,12,	<b>1313</b> 1246:23		<b>18</b> 1248:15	1331:18
13 1337:24		<b>151</b> 1397:25	1249:13,23	1332:7
1371:7	<b>1335</b> 1247:12	1398:1	1417:6 1423:8	1346:20
1442:15	135	<b>1512</b> 1242:24		1349:25 1360:4
1453:23	1372:2,19	1244:13	<b>180</b> 1460:9	1367:12
1476:23	<b>137</b> 1374:17	<b>156</b> 1400:14	181	1384:13
<b>12.9</b> 1350:9	<b>138</b> 1374:24		1471:5 <b>,</b> 19	1385:21
12/'13		<b>157</b> 1402:18	<b>187</b> 1492:10	1401:21
1284:14	<b>1389</b> 1247:17	<b>158</b> 1403:8		1402:6
1285:8,10,	<b>1396</b> 1247:20	<b>159</b> 1403:24	19	1405:4,6
18			1404:11,15	1406:14,19
1290:1,5	<b>13th</b> 1405:11	<b>16</b> 1324:5	1449:25	1414:8
1303:7	<b>14</b> 1250:17	1431:25 1432:20	1450:14 1451:6	1417:7,8,2
1451:14,15	1278:17	1432:20	1451:6	1
<b>,</b> 25	1290:5			1419:21,25
12/'13/'14	1314:23	16,846	<b>190</b> 1493:17	1426:13
12/ 13/ 14				

1434:21	1393:10	1403:2	1481:8	1439:5
1442:21	1413:3	1404:5,7	2012/13	<b>2025</b> 1439 <b>:</b> 20
1443:7	1414:17,21	1405:9	1242:8	
1463:14	1416:13	1407:4		2025/'26
1464:7	1417:9	1447:17	2012/'13	1422:13
1467:5	1418:10	1477:22	1299:6	<b>203</b> 1499:23
1471:13	1420:3	1478:17	1300:14	1500:1
1479:15,19	1422:17,20	2010/'11	1453:7,21	
,21	1423:1,7	1442:9	1480:22	2-0-3
1495:21	1427:21		<b>2013</b> 1297:6	1499:23
1496:8	1428:2	<b>2011</b> 1251:19	1305:2	2035
1505:10,13	1438:24	1291:16,19	1407:7,9	1350:5,11,
1506:6	<b>2000</b> 1295:16	1318:2	1417:18	15
1508:10	1296:21	1319:14	1478:25	<b>21</b> 1358:21
1509:6		1320:8,23		
<b>2,000</b> 1265:1	<b>2002</b> 1281:5	1322:16	2013/14	<b>22</b> 1249:3,25
1327:9	1283:11,22	1346:16	1242:8	1319:13
	1314:9	1347:10	2013/'14	1369:18
<b>2,500</b> 1463:4	2003/'04	1350:3,8	1302:25	<b>23</b> 1246:3
2,678	1426:8	1351:1	1447:23	1282:23
1461:21	<b>2004</b> 1372:1	1405:10	1453:8	
1463:9,11,	1373:15,21	1407:15,17	1480:23,25	<b>231</b> 1498:10
19 1464:3	1374:3,14	1472:8	1481:4	<b>24</b> 1246:10
2,700	·	1476:18	<b>2014</b> 1294:22	1308:1
1455:13	<b>2005</b> 1277:2	1498:4	1407:20,25	1327:15
1462:25	1314:1,6,1	2011/'12	1479:7	<b>241</b> 1508:9
	0,11	1255:24	1486:15	
<b>2.0</b> 1251:23	<b>2007</b> 1328:17	1262:1	1487:19	<b>25</b> 1246:21
1294:12	1338:10,17	1337:20		1313:18
<b>2.1</b> 1251:21	·	1338:12	2014/'15	1412:22
1256:1	<b>2008</b> 1253:21	1460:1	1292:8	1426:20,23
1498:6	1319:14 1320:7,23	1476:21	1447:24	1508:17
<b>2.2</b> 1444:21	1373:22	2011/2012	1481:18	<b>250</b> 1247:5,7
	1374:4,8	1461:22	1486:14	1334:19,20
<b>2.3</b> 1434:24	1416:25		2014/2015	1335:2,4,1
<b>2.4</b> 1254:22	1410:23	<b>2012</b> 1242:23	1487:4	2,15
1421:22	2008/'09	1246:20	<b>2015</b> 1352:1	<b>26</b> 1247 <b>:</b> 3
1498:7	1251:6	1279:19 1288:9,22	1408:1	1335:9
	<b>2009</b> 1400:17	1288:9,22	1439:20	
2.5	1403:4,8,1	,23 1294:4	1493:5	<b>27</b> 1247:13
1407:17,18	8	1297:12,18	1496:3	1389:7
1505:21	1404:6,8,2	1299:15	2015/'16	<b>276</b> 1253:24
2.678	0 1477:22	1303:25	· ·	
1455:21	1488:22	1303:25	1286:1	<b>28</b> 1247:18
<b>2.75</b> 1407:25	2009/'10	1304:16	1292:25	1396:9
1408:1	1404:11	1311:25	<b>2016</b> 1482:12	1440:13
	1460:1	1312:2	<b>2017</b> 1328:18	<b>28C</b> 1441:9
<b>2:46</b> 1446:24	1483:11	1328:6		<b>29</b> 1247:21
20		1407:18	<b>2018</b> 1352 <b>:</b> 2	1320:7
1302:16,24	<b>2010</b> 1346:16	1450:21	1371:8	1411:14
1341:19	1350:2	1478:24	2021/'22	1436:24
1344:24	1351:1	1479:6	1438:6	1498:8
1357:3	1402:20			

		1		
29,300	8	1456:8	1393:1	<b>60</b> 1302:3,22
1305:2	<b>30th</b> 1299:14	1462:1	1411:18	600
		1485:8	1416:22	1325:7,11
3	<b>31</b> 1350:14	4,000	1424:24	1327:8
<b>3</b> 1245:4	<b>31.36</b> 1290:9	1462:3,15	1425:3	
1248:13,15	<b>31st</b> 1455:9	<b>4,400</b> 1253:9	1428:10	<b>61</b> 1421:10
,17,21	1461:23,25	1336:17	5,000	<b>62</b> 1491:11
1288:6,14	1463:7,8		1253:22	<b>63</b> 1385:25
1291:18	·	4,978	1328:17,20	
1294:7	<b>32</b> 1319:14	1253:23	1329:5	<b>64J</b> 1442:1
1296:9	1460:15	<b>4.1</b> 1251:8	<b>5,318</b> 1329:6	<b>65</b> 1385:25
1298:10,16	32,900	1255:14	5,589,000	1394:7
,19,20	1307:14	1292:9	1451:6	1395:17,23
1306:3	32,904	1441:16	1451:0	<b>67</b> 1386:1
1322:7	1295:2	<b>4.28</b> 1404:12		
1344:11,13	1300:14	<b>4.3</b> 1444 <b>:</b> 22	<b>5.1</b> 1255:20	7
1358:21 1391:18	32.61		<b>5.2</b> 1442:25	7 1281:18
1396:24	1290:16	<b>4.5</b> 1460:3	1460:2	1331:7,8
1403:3,18		1467:25	<b>5.5</b> 1256:3,8	1345:7,8
1404:6	32.9	<b>4:28</b> 1512 <b>:</b> 6	1430:18	1350:13,14
1408:12	1303:17,18	<b>40</b> 1392:20	1468:2	1354:21
1409:3	1307:1 1309:23	1426:20	<b>5.6</b> 1468:15	1411:19
1434:24		1461:2		7,000
1439:18	<b>330</b> 1242:21		<b>5.7</b> 1404:7	1330:15
1443:18	<b>35</b> 1318:1	<b>400</b> 1242:21	<b>5/12</b> 1397:25	
1481:7	1331:10	1498:10	1492:11	7,881,000
1508:10	<b>363</b> 1450:21	<b>41</b> 1456:3,6	<b>50</b> 1311:5	1451:16
3,000		1461:2	1320:25	1452:4
1300:21	<b>366</b> 1449:15	<b>42</b> 1426:3	1392:21	<b>7.2</b> 1403:9
1303:10,13	<b>368</b> 1450:21	1500:1	1429:25	7.881
1304:8	<b>377</b> 1449:13	<b>45</b> 1486:13		1453:18
1305:8		1487:4	<b>506</b> 1498:9	
1306:14,16	<b>382</b> 1449:16		<b>531</b> 1449:14	<b>70</b> 1390:19
3,500	<b>38D</b> 1454:6	<b>457</b> 1338:11		<b>70s</b> 1415:14
1462:15	<b>397</b> 1446:15		6	<b>72</b> 1304:20
<b>3.5</b> 1417:17	23. 1110.10	5	<b>6</b> 1245:6	1337:10,13
		<b>5</b> 1251:16	1248:25	<b>,</b> 19
3.95 1418:1	4 1055 05	1254:25	1249:8	<b>74</b> 1431:25
1422:8 1423:7	<b>4</b> 1255:25	1255:3	1273:13	1454:15
	1267:16 1296:9	1271:6,7	1299:14	
<b>3:02</b> 1446 <b>:</b> 25	1320:7	1272:20	1300:6	75:25
<b>30</b> 1302:11	1322:7	1278:4	1304:4	1415:20 1416:8
1355:1	1333:10	1285:6	1325:7	1417:1
1429:24	1360:3	1303:20 1311:7	1345:7	1417:1
30,838	1367:2	1324:5	1354:21 1356:19	1422:10
1294:25	1411:18	1331:4,8	1402:18	1427:15
	1418:3	1341:20	1402:18	
300 1249:1	1425:24	1353:1	1511:5	<b>77</b> 1338:12
3000	1430:20	1356:15,19		1386:18 1454:16
1298:4,9,1	1442:4,12	1391:18	<b>6.1</b> 1255:13	1434:10

OD MANITOD	A HIDRO GRA	12 17 2012	rage 1317 O.	1500
1455:1	<b>99/11</b> 1385:2	1251 <b>:</b> 9	2,20	achieve
		1289:1	1449:8	1263:16
		1329:9	1450:10	1397:5
8	A	1336:2	1465:1	1416:25
<b>8</b> 1281:18	<b>a.m</b> 1248:1	1375:10	1471:24	
1304:19	1327:24,25	1437:16	1472:23	achieved
1324:8	abandoned	1456:15	1473:4,8,1	1246:19
1337:10,19	1379:7	1491:24	6,17,19	1308:15
1356:16			1474:2,5,2	1311:15
1358:17	ability	acceptable	1	1412:22
1360:23,25	1489:19	1335:5	1475:1,6,8	achievement
1371:19	<b>able</b> 1262:5	1477:13	,24	1399:2,19
1400:18,19	1263:15	accepted	1476:2,12	1413:8
1402:1	1279:4	1474:2,5	·	
1461:6	1282:10	1506:20	1477:1,4,1	achieving
1468:16			0,16,21	1416:18
	1310:11	accepting	1478:4,19	acquiring
<b>820</b> 1395:25	1311:14	1375:9	1479:9	1323:10
<b>87</b> 1466:16	1325:23	1508:19	1480:19	1323:10
00 1065 00	1327:16	accommodate	1481:8	acquisition
<b>88</b> 1365:20	1351:7		1482:21	1501:23
88,000	1353:19	1273:5	1483:9,21	1502:7,8,1
1364:10	1356:3	accordance	1484:13,17	0 1503:20
	1376:9	1431:20	1485:16,18	
	1379:1	1473:1	1488:21	across
9	1381:21	3	1489:2,7,1	1294:8
<b>9</b> 1250:17	1382:11	According	4,18,20,24	1378:2
1298:23	1385:15	1407:23	1490:4,5,1	1379:25
1322:23	1386:10	account	4,22	1394:3
1338:19	1388:2	1467:25	1491:1,8,1	1465:11
1340:12	1391:12	1484:15	0 1493:22	1504:24
1417:5	1393:7	1496:24	1495:10,14	action
1424:19,20	1399:21	1498:13	1499:18	1393:23
9,635,000	1439:13	1500:25	1500:11	
1453:2	1467:10	1501 <b>:</b> 25	1501:6	active
	1494:24	1503:6	1506:5,25	1393:21
9.635	absolute	1510:21	1507:11	activities
1453:19	1374:2			1325:25
9:00 1248:1		accountable	accountings	1326:11
	1383:2	1472:24	1473:11	1445:23
90	1428:8	1473:12,15	accounts	1463:25
1301:13,23	1505:21	accountant	1339:8	1468:4
90/08	absolutely	1383:17	1472:25	1481:10
1375:15	1278:3	1445:4	1480:15	
	1339:15		1492:3,15	activity
900,000	1384:14	accounted	1496:19,25	1310:13
1308:22	1391:4	1473:15	1497:6,15	1321:13
<b>90s</b> 1415:18	1398:16	1490:9,12	1498:1,2,8	acts 1317:2
	1399:23	accounting	1500:18,22	
<b>91</b> 1250:16		1361:2	1503:21	actual
1267:14	absorb	1383:10,12		1290:7
1269:9	1505:22	1419:2	accurate	1299:6
<b>96</b> 1492:11	<b>abuse</b> 1325:1	1422:1	1315:6	1329:6
	1326:15	1445:18	accurately	1337:21
<b>97</b> 1328:24			1313:10	1338:12
	accept	1448:3,5,1	1010.10	

PUB - MANIT	OBN NIBNO GIVI	12-17-2012	Page 1518 O	
1340:9	1425:16	addressing	adopt	1428:19
1342:14	1426:7	1390:2	1465:24	afforded
1360:4	1435:8	adequate	1474:7	1408:3
1373:1	1446:1	1375:1	1480:24	
1403:3	1454:20		adopted	afternoon
1442:14	added	adjourn	1472:7	1258:16
1445:24	1305:12	1366:1	1472:7	1358:19
1447:11	1331:22	1367:16	1488:14	1370:6
1450:15	1331.22	1511:14 <b>,</b> 22	1400:14	1418:20
1461:21	adder	adjourned	advance	1446:19
1462:1	1343:18	1396:24	1306:5	1469:10
1497:3	1345:10		1398:9	1511:21
1498:11	adding	adjourning	1485:4	against
actually	1258:14	1512:6	advantage	1258:20
1278:13	1320:14	adjust	1348:14	1265:6
1270:13		1301:14		1340:20
1288:12	addition	1386:9	advice	1340:20
1200:12	1253:18	1432:23,24	1270:13	1418:21
1291:15	1302:23	1433:5,9,1	1343:6	1420:17
	1352:12	3,24	1353:15	1469:12,18
1303:21 1306:25	1360:8		advisable	1505:20
	1388:25	adjusted	1316:7	1508:23
1328:4	1403:16	1263:12		1510:4,6,7
1329:5	1404:4	1293:9	advise	
1330:23	1459:4	1301:18,22	1246:7,14,	agenda
1331:18	additional	1319:3	21	1477:25
1339:9	1271:4	adjusting	1247:3,9	aging
1340:14	1295:9	1266:13	1282:19	1329:19
1342:24	1300:20		1283:4	1357:8,16
1348:11	1001 5 0	adjustment	1308:7	1419:25
1354:23,25	1304:8	1273:15,18	1310:5	1438:2
1364:17	1305:7	1302:3,23	1313:3,13,	
1370:14	1312:1,11	1306:8	18	<b>ago</b> 1281:18
1379:3	1322:1,11	1368:4	1335:1,9,1	1354:21
1383:14	1329:14	1430:16,21	7 1336:3	1356:16
1403:17	1332:19,24	1431:11	advocating	1359:22
1410:11	1341:25	1433:18	1353:9	1393:16
1418:16	1355:2	1434:6,18		1414:25
1431:3	1405:17	adjustments	affect	agreed
1442:25	1409:22	1290:22	1293:7	1319:15
1443:8	1412:1	1301:16	1360:14	1374:15
1461:10	1481:16	1303:3,10	1367:12	1379:11,16
1477:20	1501:24	1305:18,22	1378:19	,17
1496:7	1501:24	1431:1	1390:17	1431:18
actuals	1300:4	1496:25	1414:15	1477:17
1311:19	additionally		affected	
1404:6,8,1	1246:13	administrati	1414:2,13,	agreeing
1 1450:18	1308:6	<b>on</b> 1370:9	18	1505:12,13
adapt 1487:5	addressed	administrati	1490:14,25	agreement
_	1493:4	<b>ve</b> 1360:13	affects	1252:9
<b>add</b> 1263:14		1386:18	1296:12	1315:14
1303:10	addresses	1387:3		1316:23
1383:6	1247:23	<b>admit</b> 1427:6	1376:13	1317:1
1405:1	1437:1	aumit 142/:0	afford	1362:13,19

PUB - MANITUB	A HIDRO GRA	12-17-2012	Page 1519 OI	1300
,21,25	1385:21	1510:11,14	1270:18	1353:19
				1359:15
1363:3	1477:21	amortize	1273:12	
1364:4	all-time	1339:25	1274:12	1376:23
1379:20	1430:8	1510:20	1277:19	1395:16
1408:6	.11 1.1		1488:6	1397:9
1439:20	alluded	amortized	analyzing	1428:13
agreements	1476:16	1433:6	1461:11	1459:24
1274:5	1482:6	1434:15		1471:21
1000004	already	amortizing	Anderson	1475:9
<b>ahea</b> 1293:24	1252:21	1338:17	1243:14	1487:8
<b>ahead</b> 1281:1	1253:15	1509:23	and-such	1504:12
1337:8	1310:4	1510:2	1394:22	answered
1356:9	1312:19	1511:1,5	annual	1466:2
1375:14	1345:17		1268:13	
1397:24	1369:22	amount		answering
1418:17	1387:25	1257:21	1270:21	1440:12
1427:10	1412:2	1259:16	1284:10	answers
	1460:24	1306:24	1290:2	1414:24
air 1484:16	1472:7	1328:20	1298:9	
<b>al</b> 1439:11		1333:11	1308:20	Anterra
315	alternative	1338:23	1418:7	1384:5
Alberta	1329:25	1354:14	1431:25	anticipated
1491:21	1330:2	1361:11	1442:20	1358:8
1493:18,20	1342:19	1383:22	1443:7,18	1394:6
1504:8	1438:11	1389:22	1444:20	1442:22
align	1511:8	1422:3	1452:16	
1273:14	alternatives	1424:2	1455:16	Antoine
aligned	1342:3	1425:25	1463:20	1243:12
_	1492:21	1427:3	1464:5,15	anymore
1313:9		1430:20	1466:4	1273:15
1413:6	<b>am</b> 1261:10	1431:4	1467:6,23,	1419:9
1414:23	1358:25	1433:23	25	1471:22
1415:25	1403:25	1449:15	1470:9,15,	1474:11
all-in	1427:1	1458:7	19 1491:12	1493:25
1256:10	1429:18	1494:13	1502:14,25	
allocated	1464:8	1503:11	annualize	anything
1446:3	1474:23	1505:25	1453:23	1378:14
	1489:11	1506:18		1443:21
allocations	amenable	1507:18	annually	1482:13
1403:14	1381:3	1509:14	1270:11	1485:13
allow	America	1510:19	1364:17	1499:18
1324:12		amounts	1414:4	1511:21
1324:12	1394:3	1268:13	1417:14	anyway
1482:9	1477:3,7,8	1340:9	answer	1510:6
	1485:17	1366:18	1292:5	1511:1
allowed	<b>among</b> 1381:6	1445:9	1295:24	apart
1316:15	amongst	1446:3	1300:2	1483:12
1326:22	1362:13	1448:3	1309:1	
1327:13	1382:13	1489:16	1310:16	apologies
1476:9	1381:6,11		1312:7	1304:17
1477:2,10	1464:24	analogy	1313:10	apologize
1491:16		1384:9	1319:4	1270:7
1498:25	amortization	1423:12,14	1347:25	1420:16
allowing	1493:11	analysis	1352:11	1120.10
		<u> </u>	·	

DIGI-TRAN INC. 1-800-663-4915 or 1-403-276-7611 Serving Clients Across Canada

apparent	1383:11	1305:7	1319:7	1419:8
1303:14	1476:21	1334:19	1336:25	1420:17
		1335:2,11	1339:7	1421:6,19,
appear	applies	1462:14	1441:21	22 1469:5
1280:20	1493:24	1463:2		1479:13
APPEARANCES	<b>apply</b> 1380:7		areas 1315:1	1480:4
1243:1	1407:10	approximatel	1348:7	1490:23,24
appeared	1489:11	У	1376:4	1494:10,14
1509:6	1504:18	1251:8,22	1381:9	<b>,</b> 17 <b>,</b> 22
1509:6	applying	1268:18	aren't	1495:8,9
appearing	1490:4	1277:2	1267:21	1496:14,18
1467:8		1297:10	1340:4	1500:19
appears	appreciate	1298:4	1359:4,8	
1320:23	1257:15	1318:1	1458:8,11	assign
1320:23	1300:2	1327:5	1484:16	1260:14,21
1337:13	1303:23	1338:20	1504:1	1261:5
1346:19	1312:15	1371:8	<b>argue</b> 1259:4	assigned
1358:12	1353:18	1400:18	1263:23	1377:5
1359:3	1392:1	1403:3	1203:23	assigning
1457:14	1460:8	1409:1	arises	1382:2
1467:9	1473:25	1412:25	1384:24	1382:2
	1498:16	1413:4	arrangement	assist
Appendix	appreciated	1414:16	1292:24	1250:5
1288:23	1313:12	1416:14	1364:14,15	1295:21
1441:16	1388:25	1442:21	1365:11	1375:1
1468:15		1478:17		1440:9
apples	approach	approximatio	arrangements	assistance
1397:11	1275:8	<b>n</b> 1290:18	1314:17	1371:25
	1423:25	1330:10	article	1376:2
applicable	1461:5,8	April	1423:18	1400:8
1268:2	1465:9	1288:22	: d- 1000 7	1442:2
1505 <b>:</b> 3	appropriate	1200:22	<b>aside</b> 1266:7	
application	1249:22	1293:13	1458:9	associate
1242:7	1271:17	1303:25	aspect	1316:18
1288:22	1326:17	1303:25	1257:7	associated
1293:19	1327:20	1311:25	1488:25	1267:3,5
1294:10,19	1365:24	1312:2	1498:21	1274:7
1349:11	1398:6	1417:18	aspects	1282:2
1351:17	1399:1,17	1487:19	1250:15	1283:15
1366:14,17	1447:7			1344:22
,21 1442:7	1492:22	arbitrage	aspire	1355:12
1450:12	1493:9,11	1254:14,20	1394:10	1507:25
1460:11	1511:11	1255:2	<b>asse</b> 1494:14	association
1464:2	appropriatel	arcane		1379:5
1468:3,15		1268:7	assess	1408:10
1494:3	<b>y</b> 1313:10		1398:6	1478:14
1500:7	approve	area	asset	14/0:14
applications	1476:6	1276:5,22	1479:25	assume
1498:12	approved	1277:7,10	1495:6	1334:12
	1476:7	1278:16	assets	1393:6
applied		1281:4		1408:3
1268:11	approximate	1283:21	1361:15 1362:3	1457:1
1312:8	1247:4	1311:23	1418:22	1484:25
1368:4,6	1300:21	1315:16	1410.27	

	<del></del>		1490 1021 0	
1510:1	1419:5	Avenue	1285:7	<b>bar</b> 1346:14
assumed	1447:8	1242:21	1286:9,13	barely
1297:23	1448:1	1395:18	1295:8	1276 <b>:</b> 15
1307:2,10	1456:1	average	1354:24	12/0:13
1307.2,10	attract	=	avoid	bargaining
1452:13	1393:8	1251:16	1336:20	1379:11 <b>,</b> 18
1452:15	1393:0	1254:23	1337:3	1404:19,20
1400:19	attractive	1255:5,7,1		1406:16
assuming	1262:6	1,19,25	1492:5	1407:10,24
1262:14	1321:16	1257:16,19	awarded	1408:8,12
1271:10	1342:19,23	,20	1407:4	<b>base</b> 1339:23
1273:7	attributed	1259:13	aware	
1315:4	1446:12	1262:15	1279:25	1408:21,22
1427:1	1448:12	1274:19	1306:7	1409:6,9,1
1428:3		1275:9		8,21
1429:18	1449:13	1276:25	1350:19	1410:3,4,1
1461:25	1452:16	1278:18	1353:23	6,23
1466:11	1464:10	1280:15	1358:5	1411:11,20
1487:18	audit	1282:9	1363:12	1412:13,15
	1387:20	1283:19	1364:5	1416:6,13
assumption	1485:7	1286:22	1400:24	1420:2,6,1
1295:25	audited	1287:9	1401:8	1 1429:9
1435:6	1472:25	1290:2,4,1	1511:18	1448:15
assumptions	14/2:25	4	<b>away</b> 1354:19	1449:7
1286:22	auditor	1292:7,10		1499:2
1296:8	1464:19	1294:23	В	1508:16
1434:25	1476:9	1295:7,11,		based
1435:5	1497:11	13,14	backlash	1258:19
assurance	auditors	1296:2,6,1	1390:24	1261:14
1474:15	1430:15	3,17,18,22	back-to-back	1262:11
	1431:17	1304:20	1428:23	1264:5
asterisk	1476:2	1306:12,13	backup	1268:4,7
1328:6	1485:4	1337:11	1332:16,22	1271:22
attaching		1338:13		1272:9
1362:7,8	August	1341:21	balance	1275:24
·	1322:16	1344:1	1265:22	1279:5
attachment	1405:9,11	1345:5,8,1	1324:8	1280:20,22
1285:6	available	2 1360:1	1472:2	,24
1350:21	1253:3,6	1365:20	1475:25	1285:10
attempt	1260:9,11	1429:14,23	1494:10	1286:14
1448:11	1264:7	1457:2,6	1499:20	1287:9
	1267:17	1462:25	1503:12	1296:2
attempted	1273:3	1466:5	balances	1299:3
1276:24	1303:11	1470:16	1494:9	1310:19
attempting	1305:23	averaged	1497:16	1312:8
1448:19	1307:11	1255:4		1325:20
attempts	1320:18	217072700	ballpark	1356:9
1314:24	1321:18	<b>averages</b> 1257 <b>:</b> 15	1324:23	1380:9
	1322:13	1270:14	<b>bang</b> 1368:22	1385:18
attend	1325:12	14/0:14	Bank 1441:2	1388:1,5
1248:6	1331:24	averaging		1430:2
1511:14	1388:11	1251:8	banks 1436:1	1432:23
attention	1393:2	1259:7	1441:1	1435:18
1300:9,13		1272:9		1442:10
1000.0110				

1443:18					
1449:22	1443:18	1500:18	1339:5	15 1455:3	billed
1449:120         1456:23         1351:10,17         146:16         billion           1447:20         became         1367:22         1470:17         1308:23           1499:1         1284:22         1372:15         1484:15         1420:2,4           1507:15         1305:8,9         1377:17         best 1248:13         1427:14           basically         1306:13         1382:18         1375:3         1428:11           1389:20         become         1398:15         1377:20         14325:6           basis         1306:9         1444:8         1429:1         1595:5,6           basis         1306:9         1444:8         1429:1         1505:2           1270:22         1340:14         believes         1450:19         1480:3           1286:10         1474:1         149:16         best-case         belong         1277:10,16         1360:3           1294:10,13         1263:13         1398:18         better         1360:2         billions           1301:23         1371:8         1376:20         1257:3         Bipole           1333:11         becoming         1380:11         1376:20         1256:22         ,25           1334:9:6         begin 1370:6	1447:12	haana	1349:16	1456:6	1366:10
1453:20   became	1449:22		1351:10,17	1460:16	
1487:20   became	1453:20	1456:23		1461:1,20	
14991	1487:20	became	1367:22		
1507:15	1499:1	1284:22	1372:15	1484:15	
basically   1306:13   1382:18   1375:3   1428:11   1377:3   1428:11   1377:3   1428:11   1377:20   1438:6,7   1262:16   1334:15   1444:8   1449:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:2   1430:3   1287:17   1293:15	1507:15	1305:8,9			
		1306:13			
basis         1306:9         1442:9         1377:20         1498:6,7           basis         1306:9         1444:8         1394:13,15         1498:6,7         1505:21           1270:22         1340:14         believes         1450:19         1480:3         billions           1287:17         becomes         belong         1277:10,16         best-case         binder           1294:10,13         1350:14         bench         1256:22         257:3         binder           1301:23         1371:8         1376:20         1257:3         binder           1333:11         becoming         1380:11         1356:17         1289:21           1349:6         begin 1370:6         1469:11         1392:24         1299:18           1381:13         leginning         benchmarking         1394:8         bit 1264:6           1381:13         1475:11         1375:17,23         1455:18         1409:3           1442:7         1249:18         1376:1,3,7         1465:9         1276:9           1442:1         behalf         1377:16,20         1494:13         1332:3           149:19         behalf         1379:13,20         betterment         1336:20           149:19         behaif	_	become			
basis         1221:15         1444:8         1429:1         1505:21           1270:22         1334:15         1449:22         1430:2         billions           1286:10         1340:14         believes         1450:19         billions           1287:17         1293:15         becomes         belong         1277:10,16         binder           1293:15         becomes         belong         1277:10,16         binder         1249:13           1301:23         1371:8         bench         1256:22         ,25           1300:10         1412:9         1376:20         1257:3         Bipole           1333:11         becoming         1380:11         1372:25         ,25           1349:6         begin 1370:6         1469:11         1394:8         bit 1264:6           1380:21         beginning         benchmarking         1394:8         bit 1264:6           1380:21         beginning         benchmarking         1394:8         bit 1264:6           1449:19         behalf         1376:1,3,7         1465:9         1276:9           1425:1         behalf         1376:1,3,7         1465:9         1276:9           1425:1         behalf         1377:16,20         1494:13	1389:20				
1262:16	basis			•	
1270:22	1262:16				1505:21
1286:17	1270:22				billions
1287:17	1286:10			1450:19	1480:3
1293:15	1287:17	14/4:1	1492:16	best-case	h : d
1294:10,13	1293:15	becomes	belong	1277:10,16	
1297:18	1294:10,13	1263:13	1398:18		
1301:23	· ·	1350:14	1 1.		·
1320:10	1301:23	1371:8			<b>,</b> 25
1333:11		1412:9	13/6:20		Bipole
1340:13		ha a a m i m m	benchmark		1288:6,14
1349:6		_	1380:11		
1369:2,4   begin 1370:6   1469:11   1394:8   1394:8   1394:8   1394:8   1394:8   1475:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1424:11   1394:8   1425:18   1266:4   1425:1   1425:1   1425:1   1425:1   1425:1   1427:2   1477:23   1321:13   1427:2   1443:7   1317:17   4   1493:4   1322:17   1493:4   1322:17   1493:4   1322:17   1494:13   1332:3   1491:19   1382:6   1381:4   1469:5   1383:20   1492:2   1419:16   1396:20   1396:20   1386:1   1402:23   1445:2,4   1489:8   1397:5   1379:21   1402:23   1445:2,4   1489:8   1397:5   1379:21   1402:23   1402:23   1445:2,4   1489:8   1393:4   1413:13   1461:5   1393:4   1422:17   1488:24   1489:2   1489:14   1436:8   1306:24   1489:2   1489:14   1436:8   1306:24   1489:2   1489:14   1393:13   1461:5   1382:17   1279:15,21   1371:24   1393:13		1318:22	1382:14		1291:18
1380:21   beginning   1391:38   1424:11   1424:11   1424:11   1424:11   1424:11   1425:18   1419:19   1425:1   1264:18   1376:1,3,7   1465:9   1276:9   1276:9   1443:7   1317:17   4   1377:16,20   1494:13   1332:3   1492:14   1284:8   1381:4   1469:5   1338:20   1492:2   1419:16   1396:20   beyond   1386:1   1445:2,4   1489:8   1490:7   1392:18   1413:13   1461:5   1422:17   1488:24   1490:7   1392:18   1413:13   1461:5   1372:6,13,   1248:3   1469:14   1373:2,20,   1264:10   1272:2   bid 1264:5   biz 1361:2   1384:19   1382:17   1278:3   1385:10   1423:24   1436:18   1396:24   1396:24   1396:14   1396:24   1396:14   1314:11,17   1324:21   1314:11   1314:11,17   1324:22   1314:11   1314:11,17   1324:22   1314:11   1314:11,17   1324:22   1314:11,17   1324:22   1314:11,17   1324:22   1314:11,17   1324:22   1314:11,17   1324:14,15   1314:11,17   1324:14		<b>begin</b> 1370:6	1469:11		1409:3
1381:13	· ·	heginning	h a n ah ma mhá n a		
1419:19         behalf         1376:1,3,7         1465:9         1276:9           1443:7         1249:18         ,8,16,21,2         1477:23         1321:13           1464:4         1317:17         4         1493:4         1322:17           1464:4         1347:15         behaviour         1377:16,20         1494:13         1332:3           1482:14         1284:8         1381:4         betterment         1356:20           149:19         behind         1382:6         1469:5         1383:20           1445:2,4         1489:8         1397:5         1379:21         1402:23           1445:2,4         1489:8         1397:5         1379:21         1402:23           145:2,4         1489:8         1397:5         1379:21         1402:23           145:2,4         1490:7         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         1433:3         1461:5           1373:2,20,         1264:10         1272:2         1364:16         1345:19         1306:24           1382:17         1279:15,21         1375:3         1385:10         1345:19         1319:7           1388:14,25         1285:8,10         1385:10         1345:			_		
1425:1         behalf         1370:1,7,7         1465:9         1276:9           1443:7         1249:18         4         1477:23         1321:13           1464:4         1317:17         4         1493:4         1322:17           1474:15         behaviour         1379:13,20         1494:13         1332:3           1482:14         1284:8         1381:4         betterment         1356:20           1491:19         behind         1382:6         beyond         1383:20           basket         1449:16         1397:5         1379:21         1402:23           1445:2,4         1489:8         benchmarks         1385:10         1423:24           1247:14,16         believe         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         bias 1353:13         biting           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           1384:19         1282:8         1375:3         1393:13         blows 1348:           1384:19         1282:8         1375:3         1345:24         blue 1281:2           1389:3,8,1         1288:3         1497:18         biggest         BMO 1441:1			-		
1443:7     1249:18     ,6,16,21,2     1447:23     1321:13       1464:4     1317:17     4     1493:4     1322:17       1474:15     behaviour     1379:13,20     1494:13     1332:3       1482:14     1284:8     1381:4     1469:5     1356:20       1491:19     behind     1382:6     beyond     1383:20       basket     1449:23     1397:5     1379:21     1402:23       1445:2,4     1489:8     benchmarks     1385:10     1423:24       BC     1490:7     1392:18     1413:13     1461:5       1372:6,13,     1248:3     1469:14     bias 1353:13     biting       15     1249:11     benefit     bias 1353:13     biting       1382:17     1279:15,21     1371:24     1393:13     biz 1361:2       1384:19     1282:8     1375:3     bidding     1319:7       1384:19     1282:8     1375:3     bidding     1319:7       1389:3,8,1     1288:3     1497:18     biggest     1319:7       1389:3,8,1     1288:3     1497:18     biggest     1405:5       1399:3     1314:11,17     01242:3       1496:14     1324:22     1316:1,3     1314:11,17     01243:2       1496:14     1324:22 <th></th> <td>behalf</td> <td></td> <td></td> <td></td>		behalf			
1464:4         1317:17         1377:16,20         1494:13         1332:1           1474:15         behaviour         1379:13,20         1494:13         1332:3           1482:14         1284:8         1381:4         1469:5         1356:20           1491:19         behind         1382:6         1469:5         1383:20           1492:2         1419:16         1396:20         beyond         1386:1           1445:2,4         1489:8         benchmarks         1379:21         1402:23           1445:2,4         1490:7         1392:18         1413:13         1461:5           1247:14,16         believe         1393:4         1422:17         1488:24           1373:2,20,         1248:3         1469:14         bias 1353:13         biting           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           1382:17         1279:15,21         1371:24         1393:13         biws 1348:           1384:19         1282:8         1375:3         1345:19         1345:24           1389:3,8,1         1289:25         1398:5         1345:24           1421:21         1314:8         1499:22         1405:5         board           1471:9,22		1249:18			
1474:15         behaviour         1379:13,20         13494:13         1356:20           1482:14         1284:8         1381:4         1469:5         1356:20           1491:19         behind         1382:6         1469:5         1383:20           basket         1484:23         1397:5         1379:21         1402:23           1445:2,4         1489:8         benchmarks         1385:10         1423:24           1445:2,4         1489:8         benchmarks         1385:10         1423:24           147:14,16         believe         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         bias 1353:13         biting           15         1249:11         benefit         1436:8         1306:24           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           1382:17         1279:15,21         1371:24         1393:13         blows 1348:           1384:19         1282:8         1375:3         bidding         1345:19         blows 1348:           1389:3,8,1         1287:25         1398:5         1345:24         BMO 1441:1           1499:22         1314:8         1499:22         1405:5         b		1317:17	=		
1482:14         1284:8         1381:4         149:5         1359:3           1491:19         behind         1382:6         1469:5         1383:20           basket         1484:23         1397:5         1379:21         1402:23           1445:2,4         1489:8         benchmarks         1385:10         1423:24           BC         1490:7         1392:18         1413:13         1461:5           1247:14,16         believe         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         bias 1353:13         biting           15         1249:11         benefit         1436:8         1306:24           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           23 1380:15         1278:3         136:16         1345:19         1393:13         blows 1348:           1382:17         1279:15,21         1371:24         1393:13         blows 1348:           1389:3,16,24         1287:25         1398:5         bidding         1319:7           1389:3,8,1         1288:3         1497:18         biggest         BMO 1441:1           2 1394:20         1307:8         1499:22         bilateral         14,15,1		behaviour		1494:13	
1491:19         behind         1382:6         1469:5         13383:20           basket         1419:16         1396:20         beyond         1386:1           1445:2,4         1489:8         1397:5         1379:21         1402:23           1445:2,4         1489:8         benchmarks         1385:10         1423:24           1490:7         1392:18         1413:13         1461:5           1247:14,16         believe         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         bias 1353:13         biting           15         1249:11         benefit         1436:8         1306:24           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           1382:17         1279:15,21         1371:24         1393:13         blows 1348:           1384:19         1282:8         1375:3         1393:13         blows 1348:           1387:16,24         1287:25         1398:5         1345:24         1319:7           1388:14,25         128:3         1497:18         biggest         1405:5         1405:5           1394:20         1307:8         1499:22         1405:5         board           <			· ·	betterment	
behind         1382:6         beyond         1383:20           basket         149:16         1396:20         beyond         1386:1           1445:2,4         1489:8         benchmarks         1385:10         1423:24           BC         1490:7         1392:18         1413:13         1461:5           1247:14,16         believe         1393:4         bias 1353:13         biting           15         1248:3         1469:14         bias 1353:13         biting           15         1249:11         benefit         1346:8         biz 136:24           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           23 1380:15         1278:3         1364:16         1393:13         blows 1348:           1384:19         1282:8         1375:3         bidding         1345:24           1388:14,25         1287:25         1398:5         bidding         1319:7           1389:3,8,1         1288:3         1497:18         biggest         BMO 1441:1           1471:9,22         1314:8         benefits         bilateral         14,15,16,           1496:14         1324:22         1332:23         bill 1366:7         1246:14,2				1469:5	
basket         1419:16         1397:20         beyond         1388:1           1445:2,4         1489:8         1397:5         1379:21         1402:23           1445:2,4         1489:8         benchmarks         1385:10         1423:24           BC         1490:7         1392:18         1413:13         1461:5           1247:14,16         believe         1393:4         1422:17         1488:24           1372:6,13,         1248:3         1469:14         bias 1353:13         biting           15         1249:11         benefit         1436:8         1306:24           1373:2,20,         1264:10         1272:2         bid 1264:5         biz 1361:2           23 1380:15         1278:3         1364:16         1345:19         biz 1361:2           1384:19         1282:8         1375:3         bidding         blows 1348:           1387:16,24         1285:8,10         1385:10         1345:24           1389:3,8,1         1288:3         1497:18         biggest           1421:21         1314:8         benefits         bilateral         1242:3,13           1471:9,22         1317:12         1326:1,3         1314:11,17         0 1243:2           1496:14         1324:					
1445:2,4     1489:8     benchmarks     1385:10     1423:24       BC     1490:7     believe     1392:18     1413:13     1461:5       1247:14,16     believe     1393:4     bias 1353:13     biting       1372:6,13,     1248:3     1469:14     bias 1353:13     biting       15     1249:11     benefit     1436:8     biz 136:24       1373:2,20,     1264:10     1272:2     bid 1264:5     biz 1361:2       23 1380:15     1279:15,21     1364:16     1345:19     1393:13     blows 1348:       1384:19     1282:8     1375:3     bidding     1345:24     blue 1281:2       1388:14,25     1285:8,10     1385:10     1345:24     blue 1281:2       1389:3,8,1     1288:3     1497:18     biggest     biggest     board       1421:21     1314:8     1499:22     bilateral     1242:3,13       1471:9,22     1317:12     1326:1,3     1314:11,17     0 1243:2       1496:14     1324:22     1332:23     bill 1366:7     1246:14,2				_	
BC     1490:7     1392:18     1413:13     1461:5       1247:14,16     believe     1393:4     1422:17     1488:24       1372:6,13,     1248:3     1469:14     bias 1353:13     biting       15     1249:11     benefit     1436:8     1306:24       1373:2,20,     1264:10     1272:2     bid 1264:5     biz 1361:2       23 1380:15     1278:3     1364:16     1345:19     blows 1348:       1382:17     1279:15,21     1371:24     1393:13     blows 1348:       1384:19     1282:8     1375:3     bidding     blue 1281:2       1387:16,24     1285:8,10     1385:10     1345:24     blue 1281:2       1389:3,8,1     1288:3     1497:18     biggest     BMO 1441:1       2 1394:20     1307:8     1499:22     1405:5     board       1421:21     1314:8     benefits     bilateral     1242:3,13       1471:9,22     1317:12     1326:1,3     1314:11,17     0 1243:2       1496:14     1324:22     1332:23     bill 1366:7     1246:14,2			1397:5		
believe  1247:14,16 1372:6,13, 15 1249:11 1393:4 1469:14 1373:2,20, 23 1380:15 1382:17 1384:19 1387:16,24 1388:14,25 1389:3,8,1 2 1394:20 1421:21 1436:8  1422:17  1488:24  bias 1353:13 1436:8  1306:24  bid 1264:5 1345:19 1393:13  bix 1361:2  bix 136:24  bix 136:3  bix 136:24  bix 136:24  bix 136:24  bix 136:24  bix 136:2  bix 136:2  bix 136:2  bix 136:2  bix 136:2  bix 136:2  bix 136:2	1445:2,4		benchmarks		
1247:14,16       believe       1393:4         1372:6,13,       1248:3       1469:14       bias 1353:13       biting         15       1249:11       benefit       1436:8       1306:24         1373:2,20,       1264:10       1272:2       bid 1264:5       biz 1361:2         23 1380:15       1278:3       1364:16       1345:19       blows 1348:         1382:17       1279:15,21       1371:24       1393:13       blows 1348:         1387:16,24       1285:8,10       1375:3       bidding       1319:7         1388:14,25       1287:25       1398:5       biggest       1319:7         1389:3,8,1       1288:3       1497:18       biggest       board         1421:21       1314:8       1499:22       bilateral       1242:3,13         1471:9,22       1317:12       1326:1,3       1314:11,17       0 1243:2         1496:14       1324:22       1332:23       bill 1366:7       1246:14,2	BC	1490:7	1392:18		
1372:6,13,       1248:3       1469:14       bias 1353:13       biting         15       1249:11       benefit       1436:8       1306:24         1373:2,20,       1264:10       1272:2       bid 1264:5       biz 1361:2         23 1380:15       1278:3       1364:16       1345:19       1393:13         1382:17       1282:8       1371:24       1393:13       blows 1348:         1387:16,24       1285:8,10       1385:10       1345:24       blue 1281:2         1388:14,25       1287:25       1398:5       1345:24       blue 1281:2         1389:3,8,1       1288:3       1497:18       biggest       BMO 1441:1         2 1394:20       1314:8       1499:22       bilateral       1242:3,13         1471:9,22       1317:12       1326:1,3       1314:11,17       0 1243:2         1496:14       1324:22       1332:23       bill 1366:7       1246:14,2	1247:14,16	believe	1393:4	1422:17	1488:24
15       1249:11       benefit       1436:8       1306:24         1373:2,20,       1264:10       1272:2       bid 1264:5       biz 1361:2         23 1380:15       1278:3       1364:16       1345:19       1393:13         1384:19       1282:8       1371:24       1393:13       blows 1348:         1387:16,24       1285:8,10       1385:10       1345:24       blue 1281:2         1388:14,25       1287:25       1398:5       1398:5       biggest       1319:7         1394:20       1307:8       1497:18       1405:5       board       1242:3,13         1471:9,22       1314:8       1326:1,3       1314:11,17       14,15,16,0       0 1243:2         1496:14       1324:22       1332:23       bill 1366:7       1246:14,2	· ·		1469:14	<b>bias</b> 1353:13	biting
1373:2,20,       1264:10       1272:2       bid 1264:5       biz 1361:2         23 1380:15       1278:3       1364:16       1345:19       1345:19         1382:17       1279:15,21       1371:24       1393:13       blows 1348:         1384:19       1282:8       1375:3       bidding       1345:24         1388:14,25       1287:25       1398:5       1345:24         1389:3,8,1       1288:3       1497:18       biggest         1421:21       1314:8       1499:22       1405:5         1471:9,22       1317:12       1326:1,3       1314:11,17       1242:3,13         1496:14       1324:22       1332:23       bill 1366:7       1246:14,2	i i		honofit	1436:8	1306:24
23 1380:15 1382:17 1384:19 1387:16,24 1388:14,25 1389:3,8,1 2 1394:20 1421:21 1496:14 1497:11,12  1278:3 1364:16 1345:19 1393:13  blows 1348: 1375:3 1385:10 1385:10 1385:10 1385:10 1385:10 1398:5 1497:18 1499:22 benefits 1499:22 bild 1204:3 1348:19 1345:19 1393:13 blue 1281:2 1319:7  BMO 1441:1 board 1242:3,13 14,15,16, 0 1243:2 1326:1,3 1332:23 bill 1366:7 1246:14,2				hid 1004.5	
1382:17       1279:15,21       1304:10       1393:13       blows 1348:         1384:19       1282:8       1371:24       1393:13       blue 1281:2         1387:16,24       1285:8,10       1385:10       1345:24       1319:7         1389:3,8,1       1288:3       1497:18       biggest       1405:5       BMO 1441:1         2 1394:20       1307:8       1499:22       1405:5       board         1471:9,22       1314:8       benefits       1314:11,17       1242:3,13         1496:14       1324:22       1326:1,3       1314:11,17       0 1243:2         1497:11,12       1328:9       1454:23       bill 1366:7       1246:14,2	I I				D1Z 1361:2
1384:19     1282:8     1375:3     bidding     1319:7       1387:16,24     1285:8,10     1385:10     1345:24       1388:14,25     1287:25     1398:5     1398:5       1394:20     1307:8     1497:18     1405:5       1421:21     1314:8     1317:12     1326:1,3     1314:11,17       1496:14     1324:22     1332:23     1311:10     1314:11,17       1497:11,12     1328:9     1454:21     1366:7					<b>blows</b> 1348:3
1387:16,24     1285:8,10     1385:10     1345:24       1388:14,25     1287:25     1398:5     1345:24       1389:3,8,1     1288:3     1497:18     1405:5     1405:5       1421:21     1314:8     1317:12     1326:1,3     1314:11,17     144,15,16, 0 1243:2       1497:11,12     1328:9     1454:23     1314:11,17     1246:14,2				1393:13	<b>hl</b> ua 1001.00
1388:14,25     1287:25     1398:5     1345:24     BMO 1441:1       1389:3,8,1     1288:3     1497:18     biggest     board       1421:21     1314:8     1471:9,22     1317:12     benefits     1314:11,17     1496:14     1324:22     1332:23     1314:11,17     0 1243:2       1497:11,12     1328:9     1454:213     1366:7     1246:14,2				bidding	
1389:3,8,1     1288:3     1497:18     biggest     board       1421:21     1314:8     1496:14     benefits     1314:11,17       1496:14     1324:22     1332:23     bill 1366:7     1242:3,13       1497:11,12     1328:9     1454:23     bill 1366:7     1246:14,2		·		1345:24	1319:/
2 1394:20	· ·			higgest	<b>BMO</b> 1441:1
1421:21     1314:8       1471:9,22     1317:12       1496:14     1324:22       1497:11,12     1328:9         1499:22       benefits     bilateral       1314:11,17     0 1243:2       1332:23     bill 1366:7       1242:3,13       1314:11,17     0 1243:2       136:1,3     1314:11,17       136:1,3     1314:11,17       136:1,3     1314:11,17       1399:22     1314:11,17       1242:3,13       145:4,15     1314:11,17       1314:11,17     1246:14,2					hoard
1471:9,22     1317:12     benefits     bilateral     14,15,16,       1496:14     1324:22     1332:23     bill 1366:7     1243:2       1497:11,12     1328:9     14,15,16,     0 1243:2       14,15,16,     1314:11,17     0 1243:2       14,15,16,     1246:14,2			1499 <b>:</b> 22	1403:5	
1496:14 1497:11,12 1324:22 1326:1,3 1332:23 1332:23 <b>bill</b> 1366:7 1246:14,2			benefits	bilateral	
1324.22 1497:11,12 1328:9 1332:23 bill 1366:7 1246:14,2	·		1326:1,3	1314:11,17	
1320.9				hill 1366.7	
±150.27070				DIII 1300./	
	1100.2,0,0	1000.13	. ,		1241:3,9,2

F 0D		A HIDRO GRA	12 17 2012		
1	1248:11	1365:24	1486:8	1273:17,22	1314:3,14,
	249:18	1367:13	1488:18	1274:1,13,	22
	250:5,14,	1370:2,21	1491:8,16	17 1275:10	1315:7,10
	5 <b>,</b> 22	1371:19	1492:9,10,	1276:1,16,	1316:5,17,
	251:5,13	1372:1,4,8	11,20	20	22,25
1	254:6,13	1373:8,21	1496:7	1277:5,9,2	1317:22,23
1	267:2	1374:11,13	1499:22	4	1318:8,15
1	269:25	,18	1500:5	1278:7,15,	1319:9,20
1	272:21	1375:21,24	1502:21	22	1320:5,12,
1	276:2,4,7	1376:1	1505:5	1279:3,12,	21
1	278:17	1385:2,3	1506:8,12,	18,23	1321:3,20,
	279:4	1387:21	20,21	1280:2,10	23
	280:10	1388:14	1510:17	1281:1	1322:3,11,
1	286:25	1395:16	1511:12	1282:4,9,1	20 1323:22
1	289:19	1396:5,20		5	1324:17
	291:19	1398:2	Board's	1286:17,18	1325:4,10,
1	293:16	1399:21	1300:9,13	,24	14
1	294:4,11,	1400:1,12,	1373:15	1287:7,14,	1327:3,18
19		14 1403:1	1374:16	19	1328:13,14
1	295:22 <b>,</b> 24	1414:21	1375:9	1288:4,8,1	,23
1	301:6	1415:10	1396:16	8	1329:4,9,1
	303:5	1418:18,20	1446:19	1292:1,2,1	2
1	304:18	1419:6	1447:8	3,23	1330:1,9,1
	307:17	1423:4	1448:1	1293:14,20	8 1331:12
		1430:13	1456:1		1332:6,10
1	308:7,20 310:5		1478:4	,24 1294:5,11,	
		1436:21,25 1437:9	<b>Bob</b> 1243:2	16 1295:20	1333:2,22 1334:17,25
19	313:3,13,	1440:10,14	1244:11	1296:11,14	
1	314:15,25	,22	1249:10	1297:1,14	1335:7,24, 25 1336:8
1	317:25	1441:3,24	1250:3,12,	0,17,22	1337:5,6,9
	319:12	1441:3,24	13,22	1298:3,8,1	
	320:5	4 1447:8	1251:1,5,1	5,22	,17,24 1338:2
	323:24	1448:16,20	2,18,25	1299:5,12,	1339:1,10,
	328:1	1449:9	1252:18,24	21,25	13,17
	329:13	1451:12	1254:5,12	1300:8,20	1340:16,24
	330:19	1454:7,14	1255:9,17,	1300:8,20	1341:23
	334:18	1455:1	23 1256:12	1301:3	1342:4
		1460:12,25	1257:5,14,	0	1343:8,19,
1	335:1,10, 3 1336:3	1461:9	18	1303:3,8,2	23
	337:10,12	1467:4,8	1258:6,9	2	1344:4,10,
		1472:23	1259:11,18	1304:3,6,1	
	17		1260:6,17,		13,16
	340:17	1473:4,8,9	23	7,25	1345:1,11, 14
	343:9	,12,17,19	1261:9,16,	1305:5,17,	
	345:16,18	1477:16	21	21 1306:16	1346:3,11,
	346:11	1478:3,19,	1265:17,18	1307:16,20	17,23
	347:9	20 1479:9	1268:20,21	1308:18,19	1347:5,8,1
	349:13	1480:8	1260:20,21	1310:2,3,1	4,22,25
1	350:18	1481:1,8		5	1348:20
1	351:24	1482:2,7,1	4,18,22	1311:11,12	1349:10,16
1	358:22	6	1270:7,20,	,21	<b>,</b> 19
1	359:16	1483:10,16	25	1312:10,14	1350:16,22
1	360:6	,22	1271:7,12	,22	1351:6,12,
	362:18	1484:1,2	1272:8,19,	1313:2,11,	22
13	363:24	1485:16	23	16,23,24	1352:9,12,

DIGI-TRAN INC. 1-800-663-4915 or 1-403-276-7611 Serving Clients Across Canada

1353:2,18       1411:22,23       1471:5,14,       24 1410:5         1358:15,16       1412:6,19       17,19       1412:5         1359:1,13,       1413:18       1472:1,6,1       Boniface         1360:5,16       0       1473:7,21,       book 1250:17         1361:3,14,       1415:2,7,1       24       book 1250:17         19,23       5       1474:8,14,       1269:24         1362:5,12,       1416:1,5,1       23       1276:2,4         17       6,24       1475:7,17,       1280:11         1363:5,11,       25       1476:11,15       1304:19         1364:20,23       1418:3,11,       ,22,25       1328:4,25         1365:1,9,1       17       1477:9,14       1337:11         3,17,22       1419:4,14       1478:1,9,1       1345:16         1368:9,10,       1420:14       5,23       1346:4         14       1436:19       1479:3,18,       1349:17	1430:19  orrowed 1430:4  orrowing 1430:8,18 1435:9  ottom 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1353:2,18     1411:22,23     1471:5,14,     24 1410:5       1358:15,16     1412:6,19     17,19     1412:5       1359:1,13,     1413:18     1472:1,6,1     Boniface       1360:5,16     0     1473:7,21,     book 1250:17       1361:3,14,     1415:2,7,1     24     book 1250:17       19,23     5     1474:8,14,     1269:24       1362:5,12,     1416:1,5,1     23     1276:2,4       17     6,24     1475:7,17,     1280:11       1363:5,11,     1417:4,19,     21     1299:7       20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1430:4 2770wing 1430:8,18 1435:9 20ttom 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1358:15,16       1412:6,19       17,19       1412:5         1359:1,13,       1413:18       1472:1,6,1       Boniface         1360:5,16       0       1473:7,21,       book       1250:17         1361:3,14,       1415:2,7,1       24       book       1250:17         19,23       5       1474:8,14,       1269:24       1276:2,4         1362:5,12,       1416:1,5,1       23       1276:2,4       1280:11         1363:5,11,       25       1476:11,15       1304:19         1364:20,23       1418:3,11,       ,22,25       1328:4,25         1365:1,9,1       17       1477:9,14       1345:16         1368:9,10,       1420:14       5,23       1346:4         14       1436:19       1479:3,18,       1349:17	1430:4  prowing  1430:8,18  1435:9  pttom  1250:19  1251:12  1255:18  1296:18  1300:3  1303:2
1359:1,13,	1430:4  prowing  1430:8,18  1435:9  pttom  1250:19  1251:12  1255:18  1296:18  1300:3  1303:2
24	1430:8,18 1435:9 <b>ottom</b> 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1360:5,16     0     1473:7,21,     book 1250:17       1361:3,14,     1415:2,7,1     24     book 1250:17       19,23     5     1474:8,14,     1269:24       1362:5,12,     1416:1,5,1     23     1276:2,4       17     6,24     1475:7,17,     1280:11       1363:5,11,     1417:4,19,     21     1299:7       20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1430:8,18 1435:9 <b>ottom</b> 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1361:3,14,       1415:2,7,1       24       book 1250:17         19,23       5       1474:8,14,       1269:24         1362:5,12,       1416:1,5,1       23       1276:2,4         17       6,24       1475:7,17,       1280:11         1363:5,11,       25       1476:11,15       1304:19         1364:20,23       1418:3,11,       ,22,25       1328:4,25         1365:1,9,1       17       1477:9,14       1337:11         3,17,22       1419:4,14       1478:1,9,1       1345:16         1368:9,10,       1420:14       5,23       1346:4         14       1436:19       1479:3,18,       1349:17	1435:9 >>ttom 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
19,23     5     1474:8,14,     1269:24       1362:5,12,     1416:1,5,1     23     1276:2,4       17     6,24     1475:7,17,     1280:11       1363:5,11,     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1435:9 >>ttom 1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1362:5,12,     1416:1,5,1     23     1276:2,4       17     6,24     1475:7,17,     1280:11       1363:5,11,     1417:4,19,     21     1299:7       20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
17     6,24     1475:7,17,     1280:11       1363:5,11,     1417:4,19,     21     1299:7       20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1250:19 1251:12 1255:18 1296:18 1300:3 1303:2
1363:5,11,     1417:4,19,     21     1299:7       20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1251:12 1255:18 1296:18 1300:3 1303:2
20     25     1476:11,15     1304:19       1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1255:18 1296:18 1300:3 1303:2
1364:20,23     1418:3,11,     ,22,25     1328:4,25       1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1296:18 1300:3 1303:2
1365:1,9,1     17     1477:9,14     1337:11       3,17,22     1419:4,14     1478:1,9,1     1345:16       1368:9,10,     1420:14     5,23     1346:4       14     1436:19     1479:3,18,     1349:17	1300:3 1303:2
3,17,22 1419:4,14 1478:1,9,1 1345:16 1368:9,10, 1420:14 5,23 1346:4 14 1436:19 1479:3,18, 1349:17	1303:2
1368:9,10, 1420:14 5,23 1346:4 14 1436:19 1479:3,18, 1349:17	
14 1436:19 1479:3,18, 1349:17	
	1328:5
1369:7,8,1 1440:8,9,2 23 1351:14	1337:18,19
4 1370:19 1 1480:10,21 1358:18,22	1346:14
1371:4,5,1 1441:19,20 1481:6,15, 1359:2	1347:9
1,16,23	1360:15,25
1372:11,18 ,24 1482:1,19 1373:4,9	1367:2
1373:3,6,1 1443:4,11, 1483:1,20 1374:18,24	1398:1
1373:3,6,1 1443:4,11, 1463:1,20 1374:10,24 1,14 15 1484:7,18 1375:16	1420:13
	1424:21
	1425:22
,  ,	1435:7
	1445:6,9
, , , , , , , , , , , , , , , , , , , ,	1446:9
	1448:4,14
-//   /	1453:4
	ottom-line
1303.10	1312:17
1385:1,2     1448:18     1494:4     1451:2,20       1388:10.13     1449:12.19     1498:18.19     1452:12	1369:1,4
1454.2	
,24 1389:5 1450:3,8,2 1499:21 1454:3 bd	ought
1395:14,15 0 1500:13,17 1456:2	1326:21
1396:2,14, 1451:10,11 1501:1,10, 1457:12	randon
15,25 1452:7,8,1 16,21	1330:24
1397:7,15, 5,20,23 1502:3,13, 1460:10	1330:24
20,24 1454:1,2,1 14,19,24 1463:16,17	1333:3
1399:5,13, 2,23 1503:2,4,9 1469:13	1336:14,18
20,25 1455:24,25 ,16,25 1472:2	,20 1337:1
1400:3,10 1456:8,12, 1504:4,12, 1492:10	,20 1337:1
	reak 1444:3
24 1457:10,11 1506:17 1499:23	1446:19
1402:6,17, ,24 1507:13 books	1447:7
22 1458:9,19 1508:6,24 1479:14,16 h	reak-even
1403:1,7,1 1459:1 1509:12 1505:10,14	1265:23
5,23 1460:6,7,2 1510:16 1506:6	1200.23
1404:3,13   3   1511:3,9,1   Bi	rennan
1405:8,13, 1467:1,2,2 8 <b>border</b>	1400:16,23
16,20,24 1 1 1263:12 1317:18	1497:19
1406:7,10   1468:8,22   1317:10   1317:10	rennan's
1407:13,14 1469:9 <b>Bois</b> 1249:15 1319:1	. Ciman S

FOB MANITODA	A HIDNO GNA	12 17 2012	rage 1323 01	
1401:20	1375:6,12	1393:18	burgundy	calculate
bridge	1395:12	broken	1346:14	1275:23
1273:8	1397:22	1448:2	burning	1278:5
	1401:18		1331:24	1307:19
<b>brief</b> 1250:1	1402:15	brought	1331:24	1309:22
1254:17	1403:21	1300:9,13	Burns 1441:1	1310:10,14
1256:5	1404:1,23	1341:25	burnt	1463:23
1257:10,24	1407:1	1423:16	1331:18	calculated
1261:1	1408:15	budget		1261:12
1265:15	1411:6	1401:5	business	1279:1
1266:1	1431:15,22	1402:7	1257:8	1286:9
1268:25	1433:2	1403:2,17	1275:17	1318:20
1275:14	1441:12	1404:5	1350:19	1334:1
1277:12	1443:24		1363:6	1456:6
1279:8	1457:18	budgeting	1378:17	
1280:6,17	1458:3	1385:9	1385:12,15	1464:4
1287:5,23	1459:12,18	budgets	1391:11,23	1470:18
1288:16	1461:15	1385:12,16	1393:20	calculating
1289:3,23	1462:17	,19	1401:5	1266:13
1290:11	1466:19	1401:6,8	1403:12,19	calculation
1291:8,21	1467:13	1402:5	1420:11	1259:22
1293:3,12	1468:10		1426:18	1260:25
1299:1,10	1469:1,7	buffer	1427:9	1267:8
1300:18	1470:12,21	1507:10	1440:4	1296:13,15
1301:1,10,	1471:3	<b>build</b> 1275:1	1465:2	
25	1472:18	1385:11	1473:13	,25 1298:14
1302:13,19	1487:14	1392:20	1480:16	
1304:11,23	1489:4	1425:18	<b>buy</b> 1252:14	1301:14
1306:20	1493:14	1426:22	1253:13	1330:19
1307:6	1504:21	1438:8	1255:2	1339:5
1308:25	1506:15	1439:22,25	1316:3	1418:5,7
1312:5	1511:16	1440:1	1337:3	1422:9
1313:5			1346:6	1433:11
1314:20	briefly	building	1348:16	1455:19
1317:5	1263:8	1247:20	1392:19	1460:18
1318:4,17	1323:22	1342:19	1437:19	1461:4,13
1324:20	1362:18	1396:12	1437.19	1463:18,20
1327:1	1363:23	1410:10	buyers	,22
1330:5	bring	1464:22	1317:10	1464:5,14
1336:11	1333:17	1465:2	1355:22	1503:10
1338:6,25	1447:7	1507:12	buying	calculations
1341:3	1448:1	build-up	1251:22	1310:18
1342:9	1492:8	1499:1	1255:1	1337:12
1343:14	had a ma	1. 11. 1050 0	1333:17	1463:15
1347:1,17	brings	<b>built</b> 1259:3	1336:22	1467:6
1349:1,8	1297:18	1342:2		calculator
1351:4,20	1366:22	1394:4	<b>Byron</b> 1243:7	
1353:6	1412:7	1395:21	1395:2	1457:23
1357:6	1415:2	1414:11		calendar
1363:18	1417:22	1429:14,17	C	1287:1
1364:1	1480:23	1434:25	cable	1328:7,10
1370:17,23	<b>broad</b> 1377:5	1507:21	1393:15	Canada
1371:25	broke	bumping		1377:4
1372:22	DIOKE	1281:25	<b>CAC</b> 1243:7	1377:4
, _ ,				13/0:2

PUB - MANITOBA	A HIDRO GRA	12-17-2012	Page 1526 01	_ 1366
1379:14,25	1408:18,21	carbon	cause	1298:10,17
1380:4	,23	1279:14,17	1292:17	,19,20
1474:6	1409:5,6,9			1337:24
1482:10,18		,19 1280:3	1377:14	1344:13
,20 1495:2	,18,21	1342:13,21	caused	
,20 1495:2	1410:3,4,1	1343:9,18	1358:10	1346:20
Canadian	7,23	1344:2,21	causes	1350:5
1379:4	1411:12,13	1345:2,10	1323:8	1386:1
1385:24	,20,25	1351:13,25	1348:8	<b>CEO</b> 1384:10
1408:8,9	1412:9,13,	1352:13	1420:19	<b>CEP</b> 1408:10
1431:20	15,16,22,2	care 1426:24		
1472:23	3 1413:17	1427:11	causing	certain
1473:8,18	1420:3,4,7	careful	1329:18,20	1272:2
1474:1,9,1	1427:3	1298:16	caution	1345:20
1	1429:10	1298:16	1484:2	1385:20
1477:10,13	1437:7	carrying		1387:21
<b>,</b> 17	1439:6	1332:25	cautioned	1476:1
1478:13,19	1445:22	1432:2,5,8	1472:12	1483:24
1479:9	1446:4	1433:6	caveat	1490:23
1480:7	1458:14,18	<b>case</b> 1279:16	1261:5	1492:14,18
1488:13	,20	1282:2	1269:8	1505:18
1490:10	1463:24	1282:2		certainly
1500:11	1465:4,21	1289:20	<b>CEA</b> 1484:22	1285:17
1200.7	1468:17	1298:22	<b>cent</b> 1321:25	1334:25
<b>cap</b> 1380:7	1474:19	1311:2		1373:7
capabilities	1480:11	1378:3	Centra	1375:10,23
1320:15	capitalizati	1389:25	1350:18	1376:13
1412:11	on 1445:20	1393:23	1497:2	1381:6
capability	1454:8,19,	1402:22	1501:23	1392:7
1253:7	22 1461:1	1403:5	1502:7,11	1401:13
1323:13	1464:20	1424:14	central	1420:23
	:	1426:16,21	1314:10,16	1427:18
capacity	capitalized	1429:21	centrally	1448:24
1254:2	1310:24	1490:23	1314:7	1490:24
1267:6	1444:13,25	1505:3	1314:7	
1323:16	1445:7,9,1		1322:1	certainty
1328:17	2 1446:2	case-by-case	centre's	1343:3
1329:6	1455:10,12 ,14,20	1491:19	1473:11	Certificate
1339:2	1456:3,7,9	1492:2	cents	1244:13
capital	1460:16	cases	1251:8,16,	Certified
1247:4,7	1461:19,24	1256:21	21,23	
1287:20	1462:4,12	1341:8	1253:11	1512:8
1288:6	1463:4,24	casualties	1254:22,25	cetera
1291:18	1464:1,11	1358:12	1255:1,20,	1356:20
1310:17,23	1465:14,22	1338:12	25	1374:6
1332:20	1466:14,16	catchall	1256:1,3	1380:22
1334:17,19	1468:23	1359:4	1267:16	1384:17
1335:2,3,1	1469:4	category	1268:18	1436:1
1,14		1266:5	1269:4,5	Chairman
1380:8	caption	1310:25	1282:10	1242:14
1392:12	1453:8	1409:2	1285:11 <b>,</b> 13	1248:9
1393:4	capture	1410:15,19	,18,20,25	1249:11
1398:11	1264:6	1445:15	1286:2,3	1250:4
1403:14	1331:24	1110,10	1292:9	1276:2,3
				, 0.2, 0

1  1  2  1  2  2  2  2  2  2	TOB MANITOB	A HIDRO GRA	12 17 2012	rage 1327 0.	
1292:5	1285:4	1319:7	1362:2	1253:2	1411:20
1292.5   1374.5   1380.6   0   150.6   7.1   1439.25   1284.20   1286.19   1386.14   23   1415.6   1417.14   1250.19   1315.22   1287.13   1368.18   1417.14   1250.19   1315.22   1287.13   1368.18   1417.14   1250.19   1315.22   1287.13   1346.18   1446.18   1461.7   8,1   1255.11,18   1329.24   1325.15   1329.24   1325.15   1347.2   1467.9   1280.120.23   1315.10   1487.2   1487.2   1368.19   1368.20   1487.22   1315.6   1360.20   1487.22   1315.6   1360.20   1488.2   1285.14   1362.22   1418.25   1286.19   1286.17   1286.16   1305.7   1318.24   1256.18   1366.12   1488.2   1288.1   1346.12,14   1286.15   1286.18   1305.7   1347.4   1242.8   1248.14   1289.25   1281.14   1290.15   1281.15   1212.12   1286.14   1290.15   1281.14   1290.15   1281.14   1290.15   1281.14   1290.15   1281.14   1290.15   1344.13   1356.19   1356.19   1356.19   1356.19   1356.19   1356.19   1356.10   1366.12   1449.8   1355.10   1366.12   1449.8   1355.10   1366.12   1449.18   1355.10   1366.12   1465.20   1281.14   1290.15   1449.18   1355.19   1356.12   1469.10   1488.1   1256.16   1356.12   1366.12   1489.11   1288.2   1356.11   1288.2   1356.11   1288.2   1356.12   1366.12   1366.12   1366.12   1366.12   1366.13   1366.13   1366.13   1366.13   1366.13   1366.13   1366.13   1366.12   1366.14   1380.12					
1300:10					Clean 1277:2
1327:18					clear
1365:14,23			0		1284:20
1368:18			chart		
1369:16	1			1315:22	
1446:18				choosing	
1447:2				_	
1495:7					
1511:10					
CHAIRPERSON         1487:22         1285:14         Churchill         1403:12         1403:12         1403:12         1403:12         1403:12         1403:12         1403:12         1403:12         1403:12         1403:12         1418:25         1316:16         CIBC         1441:1         1429:5         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1418:25         1429:5         1438:19         1438:19         1438:19         1438:19         1438:14         1369:21         1486:25         1486:25         1486:25         1486:25         1489:1         1406:9         1489:1         1406:9         1489:1         1406:9         1489:1         1406:9 <td></td> <td></td> <td></td> <td>1447:23</td> <td></td>				1447:23	
CHAIRPERSON   1488:2   1306:1   1362:22   1418:25   1428:3   1497:22   1315:6   CIBC 1441:1   1429:5   1262:17   1509:7   1318:24,25   CIBC 1441:1   1429:5   1438:19   1264:2   Changed   1319:6   Circulated   1483:24   1369:21   1486:25   1265:4   1288:1   ,16,18   Circumstance   1489:1   1486:25   1266:18   1305:7   1347:4   1424:8   1496:9   1428:1   1266:18   1305:7   1347:4   1424:8   1496:9   1288:15,21   1288:44,19   Changes   1472:12   1510:24   1505:16,1   1286:4   1279:18   1472:12   1510:24   1505:16,1   1488:8   1290:15,24   1356:11   1436:1   1380:9,25   1281:14   1291:6   1390:16   1341:1   1333:11   1317:7   2,20   Cheap   1443:22   Clearer   1274:18   1303:16   1307:12   1449:8   1365:10   Cite 1389:18   1266:16   1356:17   1317:7   2,20   Cheap   1443:22   (241:67:1   1356:17   1356:7   1356:7   1449:8   1365:10   Cite 1389:18   1266:16   1356:12   1366:13   1366:13   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14   1366:14	1311:10			Churchill	
1248:3	CHAIRPERSON				
1262:17   1509:7   1318:24,25   circulated   1438:19   1438:19   1263:6   1264:2   1288:1   1346:12,14   1369:21   1486:25   1486:25   1486:25   1266:18   1305:7   1347:4   1424:8   1496:9   1489:1   1496:9   1285:15,21   1284:4,19   1285:15,21   1286:4   1273:8   1472:12   1510:24   1505:16,1   1289:25   1281:14   1290:15,24   1356:11   1390:16   1399:1,10   1317:7   2,20   1328:1   1449:8   1365:10   1328:1   1328:1   1449:8   1365:10   1328:1   1336:13   1455:20   1328:1   1336:13   1455:20   1355:19   1365:25   1500:11   1288:2   1366:12   1366:12   1369:25   1296:8   1359:22   1296:8   1389:14   1309:24   1366:25   1389:14   1309:22   1266:15   1386:25   1389:14   1301:22   1444:2   1308:9   1366:12   1398:14   1301:22   1444:2   1308:9   1366:12   1398:14   1301:22   1444:2   1308:19   1366:15   1318:22   1466:15   1318:22   1466:15   1318:22   1466:15   1318:22   1466:15   1318:22   1468:5   1369:2   1491:5   1309:14   1481:3   1288:20   1369:2   1491:5   1309:7,8,   1481:3   1288:20   1369:2   1494:8   1301:22   1448:3   1288:20   1369:2   1448:8   1319:4   1501:20   1491:5   close 1269:	1248:3				
1263:16   1264:2   1288:1   1346:12.14   1369:21   1488:24   1486:25   1486:26   1486:26   1488:3   1486:26   1488:3   1486:26   1488:3   1486:26   1488:3   1486:26   1488:3	1262:17			CIBC 1441:1	
1264:2	1263:6	1509:7		circulated	
1265:4   1288:1   1305:7   1347:4   1424:8   1496:9   1432:1   1510:24   1496:9   1510:24   1288:4   1288:4   1285:15,21   1286:4   1278:12   1500:20   1284:4,19   1286:4   1278:12   1500:20   1285:21,22   1281:14   1290:15,24   1356:11   1436:1   1380:9,25   1281:14   1291:6   1390:16   1390:16   1390:16   1390:16   1390:16   1390:16   1390:17   127:21   127:21   127:21   127:21   127:21   127:21   127:21   127:21   1336:13   1465:20   1251:10,15   1358:4   1266:16   1365:25   1365:12   1261:16   1365:25   1366:12   1500:11   1288:2   1500:11   1288:2   1500:11   1288:2   1500:11   1288:2   1367:14,22   1296:8   1359:22   1444:2   1369:24   1446:21   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:13   1288:20   1369:2   1448:8   1511:23   1268:10,11   1500:40   1	1264:2	changed		1369:21	
1266:18	1265:4	1288:1			
1267:13,20	1266:18	1305:7			
1284:4,19	1267:13,20	1356:19			
1285:15,21   1273:8   1472:12   1500:20   s 1253:1   1488:8   1289:25   1281:14   1290:15,24   1356:11   1436:1   1380:9,25   1391:10   1448:3,5,1   1317:7   2,20   2,20   1251:10,15   1358:4   1365:12   1365:13   1450:10   1356:14   1365:20   1355:19   1492:13   1267:23   1500:21   1288:2   1366:12   1366:12   1366:12   1366:12   1368:25   1296:8   1389:14   1301:22   1444:2   1368:25   1288:1   1300:14   1288:2   1366:15   1389:14   1300:15   1368:25   1296:8   1359:22   n 1283:9   clock   1389:14   1301:22   1444:2   1406:18   1318:22   1468:5   1319:4   1406:18   1319:4   1406:18   1319:4   1440:10   1446:21   1440:10   1446:21   1440:10   1448:13   1288:20   1288:2   1267:4,11,   1392:8   1267:4,11,   1268:1   1266:24,25   1307:13   1267:17   1268:1   1266:24,25   1307:13   1307:13   1267:17   1268:1   1266:24,25   1307:13   1307:13   1309:24   1268:1   1266:26   1376:18   137	1284:4,19	. 1		1510:24	1505:16,18
1286:4	1285:15,21	_		circumstance	cleared
1289:25	1286:4			<b>s</b> 1253:1	1488:8
1290:15,24	1289:25		1500:20		clearer
1291:6	1290:15,24		chartered	·	
1309:1,10	1291:6		1436:1		
1317:7	1309:1,10		1441:1	·	_
1327:21	1317:7		chean		1264:16,19
1328:1     1450:10     check     1256:16       1336:13     1465:20     1251:10,15     1358:4     clears       1355:19     1481:3     1255:16     1255:16     1266:15       1365:25     1500:11     1288:2     1502:15     cliff       1366:12     1367:14,22     changing     1289:1     clarificatio     1494:15       1368:25     1296:8     1359:22     n 1283:9     clock       1389:14     1301:22     1444:2     clarifies     1386:24       1406:18     1318:22     1468:5     1491:5     close 1269:       1446:21     1420:10     checked     clarify     1290:7,8,       1495:1     1448:13     1288:20     1369:2     4 1372:16       1495:1     1264:21     1430:22     classes     1441:21       1495:1     1267:4,11,     checked     1511:25     closed       chair's     1267:4,11,     checking     classic     closed       chance     1268:10,11     1510:4     checking     classificati     closed       1504:7     1510:4     checking     classificati     closely       change     1266:20,22     1266:24,25     classified     1370:14       1309:24     1268:1     choice     1	1327:21	· ·	_		<b>,</b> 24 1265 <b>:</b> 3
1336:13	1328:1		1303.10	<b>cite</b> 1389:18	
1354:2	1336:13			cities	1356:7
1355:19     1492:13     1255:16     1267:23     1207:23     1206:15       1366:12     1360:11     1288:2     1502:15     cliff       1367:14,22     changing     1289:1     clarificatio     1494:15       1368:25     1296:8     1359:22     n 1283:9     clock       1389:14     1301:22     1444:2     clarifies     1386:24       1406:18     1318:22     1468:5     1491:5     close 1269:       1437:5     1319:4     checked     clarify     1290:7,8,       1446:21     1420:10     checked     1369:2     1441:21       1495:1     1448:13     1288:20     1369:2     1441:21       1511:13,22     charge     1443:5     1294:8     1511:2       Chair's     1264:21     1443:5     1294:8     1511:2       1392:8     1267:4,11,     checking     classic     closed       1504:7     1510:4     Cheryl     classificati     closely       1289:15     1266:20,22     1512:15     ons     1370:14       1307:13     1267:17     1256:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1354:2			1358:4	clears
1365:25     1500:11     1267:23     1502:15     cliff       1366:12     changing     1289:1     clarificatio     1494:15       1368:25     1296:8     1359:22     n 1283:9     clock       1389:14     1301:22     1444:2     clarifies     1386:24       1406:18     1318:22     1468:5     1491:5     close 1269:       1437:5     1319:4     1501:20     clarify     1290:7,8,       1446:21     1420:10     checked     1369:2     1441:21       1495:1     1448:13     1288:20     1369:2     1441:21       1511:13,22     charge     1430:22     classes     1484:8       1392:8     1267:4,11,     checking     classic     closed       1504:7     1510:4     Cheryl     classificati     1373:8       1289:15     1266:20,22     1512:15     ons     1370:14       1307:13     1266:20,22     1256:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1355:19			C: + 1042.16	
1366:12         1367:14,22         changing         1289:1         1494:15           1368:25         1296:8         1359:22         n 1283:9         clock           1389:14         1301:22         1444:2         clarifies         1386:24           1406:18         1318:22         1468:5         1491:5         close 1269:           1437:5         1319:4         1501:20         clarifies         1290:7,8,           1446:21         1420:10         checked         clarify         1290:7,8,           1495:1         1448:13         1288:20         1369:2         1441:21           1511:13,22         charge         1430:22         classes         1484:8           1392:8         1267:4,11,         checking         classic         closed           1504:7         1510:4         checking         classificati         1373:8           1289:15         1268:10,11         512:15         ons         1370:14           1289:15         1266:20,22         choice         1379:15         1371:1           1307:13         1267:17         1266:24,25         classified         1376:18	1365:25			=	
1367:14,22       1296:8       1359:22       n 1283:9       clock         1389:14       1301:22       1444:2       clarifies       1386:24         1406:18       1319:4       1501:20       clarifies       1290:7,8,         1446:21       1420:10       checked       clarify       1290:7,8,         1495:1       1448:13       1288:20       1369:2       1441:21         1511:13,22       charge       1430:22       classes       1441:21         1392:8       1264:21       1443:5       1294:8       1511:2         1392:8       1267:4,11,       checking       classic       closed         chance       1504:7       1510:4       cheryl       classificati       1373:8         1289:15       1266:20,22       choice       1379:15       1370:14         1307:13       1267:17       1256:24,25       classified       1372:16         1309:24       1268:1       choose       1364:6       1376:18	1366:12	1500:11		1502:15	
1389:14       1301:22       1444:2       clarifies       1386:24         1406:18       1318:22       1468:5       1491:5       close 1269:         1437:5       1319:4       1501:20       clarify       1290:7,8,         1446:21       1448:13       1288:20       1369:2       1441:21         1511:13,22       charge       1430:22       classes       1448:8         1592:8       1264:21       1443:5       1294:8       1511:2         chance       1267:4,11,       checking       classic       closed         1504:7       1510:4       cheryl       classificati       closely         1289:15       1266:20,22       choice       1379:15       1370:14         1307:13       1267:17       1256:24,25       classified       1372:16         1309:24       1268:1       choose       1364:6       1376:18	1367:14,22	changing		clarificatio	1494:15
1309:14     1318:22     1468:5     1491:5     close 1269:       1406:18     1319:4     1501:20     clarifies     1290:7,8,       1446:21     1420:10     checked     1369:2     1441:21       1495:1     1448:13     1288:20     1369:2     1441:21       1511:13,22     charge     1430:22     classes     1484:8       Chair's     1264:21     1430:22     classes     1484:8       1392:8     1267:4,11,     checking     classic     closed       1504:7     1510:4     cheryl     classificati     closely       1504:7     charges     1512:15     ons     1370:14       1289:15     1266:20,22     1266:24,25     classified     1372:16       1307:13     1267:17     1266:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1368:25	1296:8	1359:22	<b>n</b> 1283:9	clock
1406:18     1318:22     1468:5     1491:5     close 1269:       1437:5     1319:4     1501:20     clarify     1290:7,8,       1446:21     1448:13     1288:20     1369:2     4 1372:16       1511:13,22     charge     1430:22     classes     1484:8       Chair's     1264:21     1443:5     1294:8     1511:2       1392:8     1267:4,11,     checking     classic     closed       chance     1504:7     1510:4     cheryl     classificati     closely       1504:7     charges     1266:20,22     1512:15     ns     1370:14       1289:15     1266:20,22     1267:17     1256:24,25     classified     1372:16       1307:13     1268:1     1268:1     choose     1364:6     1376:18	1389:14	1301:22		alarifies	1386:24
1437:5     1319:4     1319:4     1290:7,8,       1446:21     1420:10     1448:13     1288:20     1369:2     1441:21       1511:13,22     charge     1430:22     classes     1444:21       1392:8     1267:4,11,     checking     classic     closed       1504:7     25     1268:10,11     cheryl     classificati     closely       1504:7     charges     1266:20,22     choice     1379:15     1370:14       1307:13     1266:20,22     1267:17     1256:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1406:18	1318:22	1468:5		- <b>1</b> 1000 0
1446:21     1420:10     checked     1369:2     4 1372:16       1495:1     1448:13     1288:20     1441:21       1511:13,22     charge     1430:22     classes     1484:8       Chair's     1264:21     1443:5     1294:8     1511:2       1392:8     1267:4,11,     checking     classic     closed       chance     1268:10,11     1510:4     classificati     closely       change     1268:10,11     1512:15     ons     1370:14       1289:15     1266:20,22     1266:24,25     classified     1371:1       1307:13     1267:17     1266:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1437:5	1319:4	1501:20	1491.5	
1495:1     1448:13     1288:20     1369:2     4 1372:16       1511:13,22     charge     1430:22     classes     1484:8       1392:8     1267:4,11,     checking     classic     closed       chance     25     1268:10,11     cheryl     classificati     1373:8       change     charges     1266:20,22     choice     1379:15     1370:14       1307:13     1266:20,22     1267:17     1256:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1446:21	1420:10	checked	clarify	
1511:13,22         charge         1430:22         classes         1484:21           1392:8         1267:4,11,         checking         classic         closed           chance         1268:10,11         1510:4         classificati         closed           change         1268:10,11         1510:4         classificati         closed           1289:15         1266:20,22         1512:15         ons         1370:14           1307:13         1266:20,22         1267:17         1256:24,25         classified         1372:16           1309:24         1268:1         choose         1364:6         1376:18	1495:1	1448:13		1369:2	
Chair's     1264:21     1443:5     1294:8     1511:2       1392:8     1267:4,11,     checking     classic     closed       chance     1268:10,11     1510:4     classificati     closely       change     1289:15     1266:20,22     1379:15     1371:1       1307:13     1266:20,22     1266:24,25     classified     1372:16       1309:24     1268:1     choose     1364:6     1376:18	1511:13,22	charge		classes	
1392:8     1267:4,11, 25     checking 1277:20     classic 1511:25       1504:7     1268:10,11 1510:4     cheryl 1512:15     closely 1373:14       1289:15 1307:13 1309:24     1266:20,22 1267:17 1268:1     1256:24,25     classificati ons 1370:14 1371:1       1309:24     1268:1     1266:24,25     classified 1372:16 1376:18		=			
chance     25     1268:10,11     1510:4     Cheryl     classificati     closely       change     charges     1266:20,22     choice     1379:15     1370:14       1307:13     1267:17     1268:1     choose     1364:6     1376:18					1511:2
chance       1268:10,11       1277:20       1311:25       1373:8         1504:7       1510:4       Cheryl       classificati       closely         change       1289:15       1266:20,22       1379:15       1371:1         1307:13       1267:17       1256:24,25       classified       1372:16         1309:24       1268:1       1364:6       1376:18	1392:8		_		closed
1504:7     1510:4     Cheryl     classificati     closely       change     1289:15     1266:20,22     choice     1379:15     1371:1       1309:24     1268:1     1268:1     choose     1364:6     1376:18	chance		1277:20	1511:25	1373:8
change         charges         1512:15         ons         1370:14           1289:15         1266:20,22         choice         1379:15         1371:1           1307:13         1267:17         1256:24,25         classified         1372:16           1309:24         1268:1         choose         1364:6         1376:18	1504:7	· ·	Cheryl	classificati	alogo1**
charges 1289:15 1307:13 1309:24  charges 1266:20,22 1267:17 1268:1  choice 1379:15 1371:1 1372:16 1376:18	change		_		_
1266:20,22 1307:13 1309:24 1267:17 1268:1 1266:24,25 1364:6 1371:1 1372:16 1376:18	_	_			
1309:24 1268:1 choose 1364:6 1376:18		•			
1208:1   choose   1504.0			1250:24,25		
1309:23		1268:1	choose	1364:6	
	1010.17				1309:23

FOB MANITOL	DA IIIDNO GNA	12 17 2012	rage 1320 0.	
1413:6	14 1331:16	1493:5	1464:19	1257:15
1414:23	1332:5		1473:20	1280:24
1414.23	1332.3	comment	1475:4	1280:24
closer	1343:22	1485:8	1489:13	1295:13
1298:19	1343:22	comments		
1442:25	combustion	1398:2	1491:23	1318:13
1461:2	1247:6,8	1400:11	1495:19,20	1377:2
alasiaa	1252:8		1496:8,24	1381:21
closing	1253:11	1478:8,11,	1498:23	comparison
	1330:3,11,	13 1483:13	company	1374:8
1440:10	12,14,24	1484:24	1340:15	1377:13
<b>CO2</b> 1352:20	1331:6,16	1485:9,14	1355:6	1379:8
coal 1264:17	1332:16	commercially	1465:4	1380:14
1280:9	1333:3	1274:10	1494:19	1382:18
	1334:6,10	commission		1449:24
1329:19,22	1335:3,4,1	1277:3	Company's	1469:10
,23	3,16		1319:23	1472:11,16
1339:23	1343:22	1493:18,21	1505:15	·
1341:13,14	1344:20	1495:24	comparabilit	comparisons
1343:24	1439:8	commissions	<b>y</b> 1383:13	1376:13
1344:1,2		1496:6	1470:6	1379:2
1346:7,12,	comes	commitment		1382:15
13,19	1266:15		comparable	1383:3,18
1357:17	1273:2	1363:22	1450:24	1472:3
<b>cold</b> 1336:16	1286:12	committee	1452:3	compensate
1354:6	1292:19	1387:21	1469:18	1364:7
colour	1384:5,22	1411:3	1471:10	1421:9
1276:24	1398:22	committing	1474:21	
1346:14	1460:10	1334:3,8	1504:9	compensation
1346:14	1470:19		compare	1365:3
column	1481:7	commodity	1295:13	compete
1320:6	1508:5	1423:17	1376:9	1256:18
1349:21,22	comfort	1480:16	1377:21	1384:11
1442:21	1272:1	common	1381:20	1386:10
1451:25		1348:1	1382:6	competing
1452:22	coming	1465:10	1395:6,21	1265:6
1453:3	1259:1,2	1477:6,7	1469:21	
columns	1260:12	· ·	1471:6,13	1343:1
1349:25	1281:12	commonly	1504:7	1346:1
1442:3,4,1	1306:5	1475:3	a a mana ma d	competition
3	1319:1	communities	compared	1341:24
	1347:10,23	1391:1	1295:1 1334:20	1395:10
com 1326:11	1352:1			competitive
1377:13	1394:22	community	1377:3,6	1340:19,20
combined	1422:12	1390:22	1381:22	1393:13,17
1247:6	1423:2	companies	1395:21,22	,21,24
1330:21	1425:18	1270:11	<b>,</b> 25	
1332:13,20	1439:20	1271:10,13	1414:22	competitor
1335:2,3,1	1452:9	1318:22	1421:19	1340:25
2,14	commence	1321:8,9,1	1450:16	complete
	1248:6	1 1326:11	1505:21	1399:22
combined-	commencing	1361:25	compares	
cycle	1248:1	1363:14	1467:7	complex
1247:5	1476:17	1386:2,3,1	comparing	1332:25
1330:3,10,	14/0.1/	1 1434:17	<u>T</u>	1378:5

	1	· · · · · · · · · · · · · · · · · · ·	<del></del>	
compliance	1346:11	1264:9	<b>n</b> 1429:15	1273:7,11
1498:10	1397:3	1273:23	1508:2	1274:2
	1469:24	1274:10		1275:25
compliant	concluded	1275:12,25	considered	1400:5
1487:10		1381:13	1277:10	
complicating	1249:19		1387:13	consultants
1292:4	1250:14	confidential	1390:11	1270:9
complying	1407:6	<b>ity</b> 1274:7	1444:16	1271:18,25
1474:16	1408:13	confirm	1464:9	1272:2,4,5
14/4:16	concludes	1368:3	consistency	,14,15,18,
component	1402:1	1406:23	1272:3	20
1488:3	conclusion	1442:3	consistent	1274:5,21,
components	1257:6	1500:5		22,23
1464:16		C: A	1321:3,4	1275:9,11,
1404:10	1449:2	confirmed	1412:17	19,20
compounded	1466:10	1368:5	consistently	1277:15,18
1442:20	condition	congestion	1376:15	,22,25
1443:7,18	1262:15	1322:17		1278:20,23
1444:20	1439:24	1323:8,14	constant	1279:6
1467:6,23,	conditions	1327:12	1254:22	1352:23
25		1348:8	1281:22	1353:11,14
comprehensiv	1262:15		1350:2,10	consulting
<b>e</b> 1387:15	1280:22	connect	constantly	1270:11
<b>e</b> 138/:15	1290:23	1346:18	1319:2	1366:2,5,7
con 1322:17	1297:23	connected	1385:13	,8
1387:2	1301:21	1362:23	1391:9	
Conorrano	1309:19		1392:3	consumers
<b>Conawapa</b> 1287 <b>:</b> 21	1312:20	connecting	1465:2	1356:14
	1322:10	1509:13		1359:8,20
1288:1	1323:17	conscious	constituents	1366:24
1409:3	1378:18,21	1326:14	1263:6	1375:4
1422:11,14	1380:17	consensus	constrained	1386:14
1423:3,10,	1417:14		1322:12	1427:7
15	1426:1	1275:8		1438:21
1424:1,15	1439:10	1286:10	constraint	1486:6
concern	conducted	1290:21	1405:17	Con't 1247:1
1374:21	1376:23	1293:9	constraints	
1375:24	1379:21	1352:7	1443:14	contained
1479:24	1387:16	1435:19	construction	1249:14
1480:3	1399:11	consequences	1380:12	1276:8
1497:15		1351:13		1286:21
	conducting	conservative	1408:25	containment
concerned	1376:20		1409:25	1371:18
1284:7,11	Conference	1465:9	1425:17,19	
1355:10	1441:3	consider	1455:9,16	contains
1376:20		1267:4	1457:2,4	1276:25
1499:17	confess	1394:14	1458:21	1471:5
concerns	1284:4	1454:23	1461:25	contaminated
1374:18	confided	1487:22	1462:3,7,1	1501:5,10
1400:13,17	1400:8	1492:21	0	
•		gongi domah 1 sa	1464:11,21	contemplated
conclude	confident	considerably	1468:4,23	1390:2
1300:12	1388:6	1338:3	consultant	1412:21
1317:25	confidential	1416:20	1272:16	CONTENTS
1342:5		consideratio		

	I III BICO GIGI		1498 1000 01	
1244:1	1467:1	1316 <b>:</b> 13	19	6 <b>,</b> 21
	1479:5	1325:7	1261:3,10,	
continue	1488:11	1371:14	13,20,25	1312:18
1248:7	1491:14	1374:19	1262:22	1313:24
1250:4	1498:18	1387:2	1263:9,20,	
1254:10	1502:13	1445:13	23 1264:8	8,22
1342:18			1265:7,18	1315:4,9,1
1385:24	continuing	controlling	1266:3,18,	2
1428:16	1484:22	1448:17	24	1316:5,11,
1447:5	contract	convin	1267:18,21	
1474:25	1256:12,14	1398:2	1268:6,16,	
1475:5	,16,20		23	23
1482:20	1257:2	convinced	1269:1,2,8	
1484:21	1266:20	1398:3	,13,17,21,	
1485:17	1267:14,15	coordinate	22	1319:11,18
1491:17	,17	1316:1	1270:5,8,2	
1497:16	, 1292 <b>:</b> 18	coordination	2	1320:9,16,
1499:15	1293:6		1272:9,24	23
continued	1316:21	1315:13,14	1273:1,20,	
1244:11	1324:3,4,1	1316:23,25	23 1275:16	,22,25
1250:12	1 1326:20	copies	1276:11,14	1322:4,8,1
1265:17	1354:22	1247:14	,18	5,22
1268:20	1379:12	1249:4	1277:4,8,1	
1286:17	1395:5	1369:17,25	4	1324:18,22
1292:1	1438:21	1370:4	1278:2,8,9	
1308:18		1389:1,9	,15,21,25	15,19
1310:2	contracted	2001	1279:10,13	1327:3,6
1311:11	1324:7	<b>copy</b> 1276:6,8	1281:2,3	1328:14,19
1313:23	contracting	1369:17	1282:6	1329:3,8,1
1317:22	1354:15	1372:20	1283:14	1,16
1322:9		1372:20	1284:16	1330:2,7,1
1328:13	contractor	1388:20	1290:21	0,13,22
1335:24	1393:6	1436:10	1294:21	1331:14
1337:5	contractors		1295:23	1332:9,15
1358:15	1392:25	<b>core</b> 1391:23	1296:4,12,	1332:5,13
1368:9	1393:19	Cormie	20 1297:4	1334:18,22
1369:7	contracts	1244:9	1298:17	1335:5,6,2
1371:4		1250:5,10,	1300:7,9,1	5
1381:1	1255:13,25 1267:12	13,21,25	6,24	1336:6,8,1
1385:1	1269:19	1251:4,10,	1301:12	9
1388:9	1209:19	17,24,25	1302:2,5,8	1337:6,8,9
1395:14	1291:4	1252:4,19,	,21	,16,23
1396:14		22 1253:4	1303:4,6,9	1338:1,8
1407:13	1380:21 1393:13,18	1254:7,13,	,13,22	1339:4,12,
1411:22		19	1304:2,5,1	15,20
1440:8	,22 1395:8	1255:10,15	3	1340:16,22
1441:19	1438:22	,22	1305:1,4,1	1340:16,22
1447:4	1439:18	1256:7,14	0,20,25	1341:5
1451:10	contrasting	1257:5,12,	1306:17,22	1342:1,3,1
1452:7	1255:20	16,17	1306:17,22	1343:9,16,
1454:1	contrasts	1258:1,7,1	18,24	21,24,25
1455:24	1256:2	2		
1457:10		1259:15,20	1308:21	1344:7,12,
1460:6	control	1260:6,10,	1309:6,13	15,18
T400.0		1200:0,10,	1310:3,9,1	1345:6,12,

	11111111110111	IIIDNO GNA	12 17 2012	rage 1331 01	
15	, 23	1507:14	1349:23	1261:6	1447:10
	46:10,15		1352:3	1263:7,11,	1454:19,21
	9,22	corporations	1361:6	13,19,21	,24
	47:3,7,8	1387:7	1365:16	1264:1,14,	1457:2,21
	3,19,24	1433:13	1371:17	17	1461:7
	48:2,20	1434:4	1396:21	1266:7,13	1496:25
	49:3,10,	Corporation'	1403:10	1267:6	1497:3,13
	,18,24	s 1246:6	1403:10	1268:9	1499:3,13
	50:16,20	1282:18	1408:2	1288:13	1505:9
1		1283:3			
, 25		1299:13	1429:18 1442:16,23	1291:18 1305:13	1506:25
1	51:10,18	1455:2			costing
, 24		1433:2	1443:9,10	1309:9	1428:10
1	52:4,10,	correct	1444:13,14	1310:12,17	costly
	,22	1250:24	1445:25	,23	1376:9
1	53:3,8,2	1252:1	1447:13,14	1315:20,21	1383:24
	1354:10	1255:14	1449:17	1316:10	1390:20,21
	56:5	1256:3	1455:10	1321:14	1390:20,21
	57:8,18,	1261:19	1456:4	1331:9	costs
	1358:5	1265:19	1460:13	1332:3	1247:4,7,1
1	62:20	1269:3,21	1465:15,25	1333:16,17	2,19
1	64:3,22,	1270:4	1466:21	, 23	1252:5
24		1272:22	1472:9	1334:1,7,1	1254:4
	65:2,12,	1278:16	1474:23	9	1259:7,8
	,19	1279:12,22	1476:24	1338:14,17	1260:24
	67:1	1280:1,13	1479:1,4	1339:6	1262:12,19
1	70:7	1283:13,23	1488:15	1340:9,15	,20,23,25
	29:13	1286:23	1500:8,16	1341:8	1263:10
1	39:17	1287:3,11	1502:1	1342:14,15	1264:3,5,1
1	42:23	1288:11	1512 <b>:</b> 8	1343:1,6,1	2 1287:20
1	43:2,10	1291:11	corrected	2	1288:6
	46:5	1292:22	1287:12	1344:19,20	1301:15
143	59:22	1293:6	corrections	,21	1302:9,25
Corm	ie's	1294:19,20		1345:2,10,	1332:25
129	98:8	1297:8,14,	1472:15	25 1356:6	1333:19,20
corn		15,19,21	correctly	1364:8	,23
1	47:9	1298:7,21	1283:11	1366:13	1334:9,18
13,	47.9	1300:7,12,	1318:20	1371:18	1335:2,3,1
_	orate	16,24	1321:12	1373:24	1,15,22
140	00:19	1302:22	1405:22	1374:6,19	1336:5
Corpe	oration	1304:5	1428:4	1376:20	1337:3,20
_	86:21	1305:3,4,1	1454:25	1378:2,20	1338:16
	04:6	0,20	corrects	1380:16,18	1339:4,9,1
	05:24	1307:24	1292:3	1382:16	1,25
	10:19	1310:21		1390:17	1344:22
1	61:13	1314:2	correlation	1392:12,22	1356:9
	71:9	1315:9	1343:9	1395:20	1357:14
	87:8	1317:25	corresponden	1400:24	1360:13,21
1	98:25	1319:12	<b>ce</b> 1485:2	1401:2,15	,22,24
	15:5	1329:10		1405:17	1361:20
	28:9	1332:11	cost 1252:16	1420:7,10,	1365:5
1	42:15	1337:15	1253:11	13 1421:13	1366:10
	45:13	1340:17	1256:11	1424:3	1372:5
	47:20	1345:22,23	1258:19	1434:16	1377:2
	• 2 0		1259:12,13	1444:17	

1380:8,12	<u> </u>	MANIIODA	HIDRO GRA	12-17-2012	Page 1532 01	
1385:9,10,   1463:16			1248:11	covering		1387:10
1385:9,10,	1380	0:8,12	1276:11	1260:24	1485:14	cvcle
18	1385	5:9,10,	1463:16	arested	1487:21	_
1386:9,18,   1250:16   1278:17   1264:19   1272:12   1334:20   1390:7   1341:24   1323:14   1280:8   1391:3   1447:9   1327:12   1368:24   1393:10   1394:6,7   1394:6,7   1394:6,7   1395:4,6,1   6s   1396:4,10   1400:16,23   1396:4,10   1400:16,23   1275:17   1499:17   1301:17   1488:19   1400:16   1400	18		councel!s		1492:9	
19	1386	5:9,18,		1394:25	aumman + 1	
1387:1,4	19			creating	-	
1390:7	1387	7:1,4		1264:19		
1391:3				1323:14		1335:3,13
1393:10	1			1327:12		
1394:6,7   1395:4,6,1   es	1		1447:9	1354:18		D
1395:4,6,1			counterparti			damage
1396:4,10	1		es			=
1396:4,10	1			1384:10,11		
1404:21				crew 1393:2	1501:25	=
1406:8					curtailed	1310:12
1324:12,25   1489:17   1327:13   DARREN   1420:6   1421:1   counting   cross-   examinatio   1244:8   1250:9   1250:9   1250:12   1248:7   1324:16   1294:7   1294:7   1433:6   1474:6,22   1482:10,17   1250:12   curve   1297:8   1297:8   1443:13   1296:23   curiosity   1324:6   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1358:2   1361:6   1358:2   1361:6   13						damn 1285·1
1420:6			1324:12,25			
1421:1	1		1325:17	1489:17		DARREN
1421:1			counting	cross-	curtailment	
1429:22			=		1326:25	1250:9
1430:8	1				curtai lments	1293:17,22
14/4:6, 22 1482:10,17 1433:6 1433:6 1433:6 1438:3 1250:4 1448:13 1250:4 1444:11 1296:23 1444:11 1302:1 1445:4,5,1 7 1447:23 1448:14,17 7,24 1449:3,4,1 0 1450:15 1452:16 1453:7 1452:16 1454:7,16, 22 1456:9 22 1456:9 22 1456:9 22 1456:9 1387:17 1461:11 1421:10 1308:5,10 1315:24 1366:7 1466:7 1466:7 1488:12 1366:8,2 1378:20 1366:9,2 1366:9,2 1366:9,2 1366:9,2 1373:19 1461:11 1421:10 1308:5,10 1315:24 1385:8 1366:9,11 1466:7 1428:12 1336:18 1497:9 1498:14 1499:1,19 1459:9 1444:11 1441:7	1		countries			1294:1,9,1
1435:10 1438:3 1443:13 1250:4 1449:11 1302:1 1445:4,5,1 1348:21 1354:4 1449:3,4,1 0 1450:15 1452:16 1453:17 1452:16 1453:17 1452:16 1453:17 1452:16 1453:17 1461:11 1452:16 1453:17 1461:11 1452:16 1453:17 1461:11 1452:16 1453:17 1461:11 1382:10,17  1461:17 1382:10 1382:17 1382:10 1326:25  customer 1329:18 1360:2, 20,25 customer 1329:18 1360:2, 1373:24 1373:24 1382:17 1360:2, 1392:11 1392:11 1302:1 1409:17 1302:1 1409:17 1302:1 1409:17 1302:1 1409:17 1302:1 1409:17 1302:1 1409:17 1303:8, 1307:22 1252:20 1373:19 1366:9, 22 1456:9 20urse 3 1307:22 1252:20 1373:19 1366:9, 22 1456:9 1387:17 1308:5,10 1315:24 1385:8 1366:9, 22 1456:9 1387:17 1308:5,10 1315:24 1385:8 1366:9, 22 1456:9 1387:17 1308:5,10 1315:24 1385:8 1366:9, 22 1456:9 1387:17 1308:5,10 1315:24 1383:36 1383:8 1383:10 1385:8 1385:8 1385:8 1385:8 1385:8 1385:8 1385:8 1385:8 1385:8 1385:18 1497:9 1458:6 1402:10 1355:7,10 1420:20 1498:9,11 1465:18 1407:7 1391:6 1426:61 1433:12 1506:1 1433:12 1506:1 1433:12 1506:1 1433:13 1449:24 1507:10,11 23 1440:12 1440:12 1440:18 14			1474:6,22		1324:10	4,20
1438:3         couple         cur 1326:25         customer         1299:18           1443:13         1250:4         cur 1326:25         customer         1299:18           1444:11         1296:23         curiosity         1372:5,12         1359:7,           1445:4,5,1         1302:1         1461:17         1373:24         1360:2,           1448:14,17         1358:7         1388:7         1382:17         1361:6,           24         1449:3,4,1         1416:22         current         1392:11         21           1445:16         1453:17         1268:16         1409:17         1362:1,           1452:16         1453:17         1268:16         1443:16         15           1452:16         1463:13         1290:6,8,2         customers         1366:9,           22 1456:9         course         3 1307:22         1252:20         1373:19           1461:11         1421:10         1310:6         1325:21         1385:8           1463:23,24         1424:9         1312:20         1326:7,18,         1391:7           1480:13         1438:20         1398:8         1348:19         1418:24           1497:9         1458:6         1402:10         1355:7,10         1420:20	1		1482:10,17	1250:12	curve	1297:8,15,
1438:3 1443:13 1296:23 1444:11 1296:23 1445:4,5,1 7 1447:23 1348:21 1354:4 1354:4 1358:7 1498:12 1382:17 1361:6, 24 1449:3,4,1 10 1450:15 1452:16 1453:17 1463:13 1296:6,8,2 21456:9 1459:9 1461:11 1421:10 1308:5,10 1315:24 1326:18 1498:12 1388:25 1324:6 13373:24 1359:7, 1360:2, 1373:24 1360:2, 1373:24 1360:2, 1373:24 1360:2, 1373:24 1360:2, 1373:24 1360:2, 1373:24 1360:2, 1373:24 1378:20,23 19 1382:17 1361:6, 1382:17 1361:6, 1499:12 1382:17 1361:6, 1499:12 1392:11 1362:1, 1409:17 1302:1, 1409:17 1302:1, 1409:17 1306:1, 1443:16 15 1363:8, 1290:6,8,2 1252:20 1373:19 1366:9, 22 1456:9 20urse 3 1307:22 1252:20 1373:19 1465:11 1421:10 1310:6 1325:21 1385:8 1366:9, 1373:19 1465:7 1428:12 1310:6 1325:21 1385:8 1402:20 1326:7,18, 1391:7 1404:25 1499:14,18 1457:8 1401:9 1354:12,18 1404:25 1498:9,11 1465:18 1407:7 1391:6 1426:6 1426:6 1499:1,19 1458:6 1402:10 1355:7,10 1420:20 1498:9,11 1455:18 1407:7 1391:6 1426:6 1426:6 1433:24 1499:1,19 1458:6 1402:10 1355:7,10 1420:20 1431:24 1501:7 1502:7,11 1503:5,8,2 0  costumers 1326:18 coverage 1449:24 1433:12 1506:1 1435:3, 20 14413:11 1441:7			counlo	<b>CUPE</b> 1408:8	1264:25	20,25
1443:13 1444:11 1296:23 1445:4,5,1 71447:23 1448:14,17 ,24 1449:3,4,1 01450:15 1452:16 1453:17 1463:13 1296:23 1246:12,16 1452:16 1453:17 1268:16 1290:6,8,2 221456:9 1387:17 1388:5,10 1461:11 1426:12 1387:22 1466:7,16, 221456:9 1387:17 1308:5,10 1315:24 1366:9, 2444:9 1378:20,23 1361:6, 25145:9 1463:13 1290:6,8,2 1252:20 1373:18 1461:11 1461:11 1461:10 1310:6 1325:21 1385:8 1463:23,24 1424:9 1312:20 1326:7,18, 1391:7 1480:13 1498:12 1398:8 1492:14,18 1497:9 1458:6 1401:9 1498:9,11 1465:7 1488:14 1499:1,19 1458:6 1401:9 1499:1,19 1458:6 1402:10 1308:5,10 1315:24 1385:8 1401:9 1325:21 1385:8 1401:9 1354:12,18 1404:25 1499:1,19 1474:4 1402:23 1409:19 1435:12 1501:7 1484:14 1429:23 1439:21 1503:5,8,2 0  costumers 1326:18  coverage 1449:24 1433:12 1507:10,11 23 coverage 1449:24 140:19 1435:13 1400:25 1400:19 1435:13 1436:13 1436:13 1400:25 1400:19 1435:13 1440:19 1435:13 1450:27,11 1503:5,8,2 0  costumers 1326:18 covered 1400:25 1474:24 1400:19 1435:13 1440:19 1435:13			-	1226.25	quetomer	1299:18,23
1444:11         1302:1         curiosity         1372:5,12         1359:7, 1360:2, 1373:24         1359:7, 1360:2, 1373:24         1360:2, 1373:24         1360:2, 1373:24         1360:2, 1373:24         1360:2, 1373:24         1360:2, 1373:24         19         1360:2, 1373:24         19         1360:2, 19         1360:1, 19         1360:2, 19         1360:2, 19         1360:1, 19         1360	1443	3:13		Cur 1320:23		
1445:4,5,1     7 1447:23     1348:21     1361:17     1373:24     1360:2,       1448:14,17     1354:4     curious     1378:20,23     19       1449:3,4,1     1416:22     current     1392:11     1361:6,       1450:15     1426:12     1246:12,16     1409:17     1362:1,       1452:16     1453:17     1268:16     1443:16     15       1454:7,16,     22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1385:8       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1429:23     1409:19     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1501:13     coverage     1435:12     1506:1     1435:3       1306:14     140:25     150:11	1444	4:11		curiosity		1359:7,18
7 1447;23     1354:24     curious     1378:20,23     19       1448:14,17     1358:7     1498:12     1382:17     21       1449:3,4,1     1416:22     current     1392:11     1362:1,       1452:16     1453:17     1268:16     1443:16     15       1454:7,16,     22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1385:8       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1498:9,11     1465:18     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1429:23     1409:19     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1502:7,11     1506:1     1435:12     1506:1     1435:3       1501:13     1600:1     1433:24     1505:12     1434:13       1501:13     1600:1     160:1     160:1     16	1445	5:4,5,1		1461:17	· ·	1360:2,10,
1448:14,17     1354:4     1498:12     1376:20,23     1361:6,       1449:3,4,1     1416:22     current     1392:11     1362:1,       0 1450:15     1426:12     1246:12,16     1409:17     1362:1,       1452:16     1453:17     1268:16     1443:16     1363:8,       1454:7,16,     22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1385:8       1461:11     1421:10     1310:6     1325:21     1385:8       1465:7     1428:12     1356:18     21 1342:18     1404:25       1480:13     1438:20     1398:8     1348:19     1418:24       1497:9     1458:6     1401:9     1354:12,18     1419:24       1499:1,19     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1501:7     1484:14     1429:23     1409:19     1433:12       1501:7     1434:16     1433:24     1505:12     1434:13       1502:7,11     1503:5,8,2     1501:13     1432:4     1497:8     ,21 143       1326:18     1413:16,17     1450:1,18     1497:8     ,21 143       1326:18     1413:16,17 <td< td=""><td>7 14</td><td>447:23</td><td></td><td>aumi au a</td><td></td><td></td></td<>	7 14	447:23		aumi au a		
1449:3,4,1	1448	B:14,17			· ·	1361:6,17,
1449:3,4,1     0 1450:15     1426:12     1246:12,16     1409:17     1362:1,16       1452:16     1453:17     1268:16     1243:16     1343:16     15       1454:7,16,     1463:13     1290:6,8,2     customers     1366:9,       22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1385:8       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1480:13     1438:20     1398:8     1348:19     1418:24       1490:13     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1429:23     1409:19     1431:24       1502:7,11     1503:5,8,2     1501:13     1435:12     1506:1     1435:3,       1501:13     1449:24     1505:12     1506:1     1435:3,       136:18     140:25     1449:24     1507:10,11     23       136:18     1440:25     1449:24     1507:10,11     23       136:18     1440:19	,24			1498:12		
1450:15 1452:16 1452:16 1453:17 1463:13 1290:6,8,2 1252:20 1373:19 1459:9 1487:17 1461:11 1463:23,24 1462:12 1465:7 1488:12 1480:13 1492:14,18 1492:14,18 1499:1,19 1499:1,19 1502:7,11 1503:5,8,2 0  course 1326:18 1290:6,8,2 1290:6,8,2 1252:20 1373:19 1366:9, 1308:5,10 1315:24 1312:20 1315:24 1383:5, 1326:18 1348:19 1418:24 1401:9 1356:18 1401:9 1401:9 1401:9 1401:9 1401:9 1401:10 1401:9 1401:10 1401:10 1401:10 1409:1,10 1409:1,10 1409:1,10 1409:1,10 1501:7 1502:7,11 1503:5,8,2 0  costumers 1326:18  coverage 1413:16,17 covered 1413:11  1246:12,16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1443:16 1363:8, 1366:9, 1366:10 1343:16 1344:11 1343:16 1443:16 1443:16 1443:16 1443:16 1443:1	1449	9:3,4,1		current		
1452:16 1454:7,16, 22 1456:9 1459:9 1461:11 1463:13 1424:9 1465:7 1448:12 1490:14,18 1497:9 1498:9,11 1499:1,19 1498:9,11 1503:5,8,2 0  costumers 1326:18 cowered 1413:11 1200:6,8,2 1252:20 1373:19 1252:20 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1315:24 1326:7,18, 1391:7 1316:18 1326:18 1348:19 1342:18 1342:18 1342:18 1342:18 1348:19 1348:19 1354:12,18 1419:11 1402:10 1355:7,10 1420:20 1431:24 1429:23 1409:19 1431:24 1429:23 1439:10 1431:24 1432:4 1433:24 1505:12 1434:13 1506:1 1435:3, 1363:8, 1363:8, 1366:9, 1366:9, 1373:19 1355:21 1383:5, 1385:8 1348:19 1342:11 1342:18 1404:25 1391:23,25 1443:13 1450:1,18 1460:25 1474:24 1391:23,25 1440:19	0 14	450:15		1246:12,16		
1454:7,16,     22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1383:5,       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1502:7,11     1502:7,11     1432:4     1497:8     ,21 143       1503:5,8,2     1501:13     1435:12     1506:1     1435:3,       costumers     1413:16,17     1450:1,18     1507:10,11     23       coverage     1449:24     1507:10,11     23       1326:18     1474:24     1474:24     1491:23,25     1440:19       counsel     1413:11     1474:24     1474:24     1441:7	1452	2:16		1268:16	1443:16	
22 1456:9     course     3 1307:22     1252:20     1373:19       1459:9     1387:17     1308:5,10     1315:24     1383:5,       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1465:7     1428:12     1356:18     21 1342:18     1404:25       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1503:5,8,2     1501:13     1432:4     1497:8     ,21 143       1501:13     1435:12     1506:1     1435:3,       1326:18     1413:16,17     1450:1,18     1450:1,18       1326:18     1413:11     1450:1,18     1460:25     1391:23,25     1440:19	1454	1:7,16,	1463:13	1290:6,8,2	customers	
1459:9     1387:17     1308:5,10     1315:24     1383:5,10       1461:11     1421:10     1310:6     1325:21     1385:8       1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1465:7     1428:12     1356:18     21 1342:18     1404:25       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1503:5,8,2     1501:13     1432:4     1497:8     ,21 143       1505:12     1434:13       1306:18     1413:16,17     1450:1,18     1507:10,11     23       1312:20     1413:11     1450:1,18     1400:19       1413:11     1450:1,18     1430:23     1440:19       1431:11     1450:1,18     1450:1,18     1450:1,18       1440:19     1430:24     1440:19       1430:10     1430:10     1430:10       1430:10     1430:10     1430:10			course		1252:20	
1461:11       1421:10       1310:6       1325:21       1385:8         1463:23,24       1424:9       1312:20       1326:7,18,       1391:7         1465:7       1428:12       1356:18       21 1342:18       1404:25         1480:13       1438:20       1398:8       1348:19       1418:24         1492:14,18       1457:8       1401:9       1354:12,18       1419:11         1497:9       1458:6       1402:10       1355:7,10       1420:20         1498:9,11       1465:18       1407:7       1391:6       1426:6         1499:1,19       1474:4       1426:24       1392:10       1431:24         1501:7       1484:14       1429:23       1409:19       1432:11         1503:5,8,2       1501:13       1432:4       1497:8       ,21 143         1503:5,8,2       1501:13       1435:12       1506:1       1435:3         1326:18       1413:16,17       1450:1,18       1507:10,11       23         1440:19       1413:11       1450:1,18       1460:25       1391:23,25       1440:19						
1463:23,24     1424:9     1312:20     1326:7,18,     1391:7       1465:7     1428:12     1356:18     21 1342:18     1404:25       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1502:7,11     1502:7,11     1432:4     1497:8     ,21 143       1503:5,8,2     1501:13     1435:12     1505:12     1434:13       120:20     1435:12     1506:1     1435:3,       1436:18     149:24     1507:10,11     23       1391:23,25     1440:19       1436:13     1474:24     1391:23,25     1440:19						
1465:7     1428:12     1356:18     21 1342:18     1404:25       1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1502:7,11     1502:7,11     1432:4     1497:8     ,21 143       1503:5,8,2     1501:13     1433:24     1497:8     ,21 143       1505:12     1434:13     1505:12     1434:13       1506:1     1435:3,       1326:18     1413:16,17     1450:1,18     1450:1,18       1409:25     1474:24     1391:23,25     1440:19						
1480:13     1438:20     1398:8     1348:19     1418:24       1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1503:5,8,2     1501:13     1432:4     1497:8     ,21 143       1505:12     1434:13     1435:12     1506:1     1435:3,       1326:18     1413:16,17     1450:1,18     1450:1,18     140:19       1413:11     1413:11     1440:24     1391:23,25     1440:19						
1492:14,18     1457:8     1401:9     1354:12,18     1419:11       1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1502:7,11     1502:7,11     1432:4     1497:8     1505:12     1434:13       1503:5,8,2     1501:13     1435:12     1506:1     1435:3       costumers     1413:16,17     1450:1,18     1507:10,11     23       counsel     1413:11     1460:25     1391:23,25     1440:19						
1497:9     1458:6     1402:10     1355:7,10     1420:20       1498:9,11     1465:18     1407:7     1391:6     1426:6       1499:1,19     1474:4     1426:24     1392:10     1431:24       1501:7     1484:14     1429:23     1409:19     1432:11       1503:5,8,2     1501:13     1433:24     1505:12     1434:13       1326:18     1413:16,17     1450:1,18     1507:10,11     23       counsel     1413:11     1450:1,18     1460:25     1391:23,25     1440:19						
1498:9,11 1499:1,19 1501:7 1502:7,11 1503:5,8,2 0  costumers 1326:18  counsel  1465:18 1407:7 1426:24 1429:23 1409:19 1432:11 1432:4 1433:24 1497:8 1505:12 1434:13 1435:3, 1506:1 1436:13 1436:13 1436:13 1436:13	1	· ·				1419:11,15
1499:1,19 1501:7 1502:7,11 1503:5,8,2 0  costumers 1326:18  counsel  1474:4 1426:24 1429:23 1409:19 1432:11 1432:4 1433:24 1497:8 1435:12 1506:1 1435:3, 1436:13 1460:25 1474:24  1392:10 1431:24 1409:19 1432:11 1432:4 1505:12 1506:1 1435:3, 1436:13 1436:13					· ·	
1501:7 1502:7,11 1503:5,8,2 0  costumers 1326:18  counsel  1484:14  1429:23 1409:19 1432:11 1432:4 1433:24 1505:12 1506:1 1435:3, 1507:10,11 23 1436:13 1460:25 1474:24  1413:11						
1502:7,11 1503:5,8,2 0	1	·				
1503:5,8,2 0	1		1484:14			1432:11,19
0 costumers 1326:18 counsel counsel 1413:11 1435:12 1506:1 1435:3, 23 1440:19 1440:19 1441:7	1		<b>cover</b> 1365:5			,21 1433:4
costumers     1326:18       counsel     1413:16,17       counsel     1413:11       1413:11     1450:1,18       1450:1,18     1450:1,18       1460:25     1391:23,25       1440:19       1441:7		0:0,8,4	1501:13			1434:13,21
1326:18  counsel  1413:16,17  covered 1413:11  1450:1,18 1460:25 1474:24  1413:11  1436:13 1440:19 1441:7						1435:3,18,
counsel covered 1460:25 1391:23,25 1440:19	costum	ners	=		1507:10,11	23
counsel         covered         1440:25         1391:23,25         1440:19           1413:11         1474:24         1391:23,25         1440:19	1326	5:18	1413:16,17	· ·	cut	1436:13,18
1413:11 1441:7		_,	covered			1440:19,25
1243:2     1482:10   cutting			1413:11		•	1441:7
	1243	5:4		1482:10	cutting	

FUD MANITO	DA HIDRO GRA	12 17 2012	rage 1333 01	
1442:8,16	1489:12	1256:7,14	1317:2,12	24
1443:13	1491:18,22	1257:12,17	1318:6,12,	1365:2,12,
1444:1,8,1	1492:4	1258:1,7,1	19	15,19
4,18,23	1493:23	2	1319:18,24	
1445:3,16,	1494:7	1259:15,20	1320:9,16	1439:17
25 1446:15	1495:5	1260:10,19	1321:1,6,2	
1447:14,22	1496:16	1261:3,13,	2,25	1443:2,10
1448:7,23	1498:20	20,25	1322:8,15,	
1449:17	1500:9,16,	1262:22	22 1323:25	1459:22
1450:7	24	1263:9,20,	1324:22	
1453:5,13,	1501:4,12,	23 1264:8	1325:6,11,	<b>day</b> 1253:9
16	18	1265:7	19 1327:6	1257:1
1454:10,18	1502:1,6,1	1266:3,24	1328:19	1260:15
1455:4,11	0	1267:18,21	1329:3,8,1	1265:13
1456:5,10,	1503:7,13,	1268:6,16,	1,16	1266:11
14,19	23	23	1330:7,13,	1278:12
1457:5,20	1504:2,10,	1269:2,13,	22 1331:14	1324:6
1458:5,12,	14,23	17,21	1332:9,15	1327:16
23 1459:23	1505:24	1270:5,8	1332:9,13	1356:8,10
1460:17	1506:23	1273:1,20	1333:3,24	1357:21
1461:3	1500:23	1275:16	1335:6	1386:21
1463:13	1507:20	1276:14,18	1336:6,19	1387:5
1464:12,25	1509:4	1277:4,8,1	1337:8,16,	1405:22
1465:15,18		4	23	1406:1
,25	<b>data</b> 1251:19	1278:2,9,2	1338:1,8	1427:24
1466:21,25	1267:25	1,25	1339:4,12,	1448:9
1467:15	1328:25	1279:10	15,20	1449:5
1468:1,12	1470:10,19	1281:3	1340:22	1455:6,15
1469:3	<b>,</b> 25	1283:14	1341:5	1459:10
1470:14,23	<b>date</b> 1309:12	1284:16	1342:1,11	day-ahead
1472:9,13	1311:16	1294:21	1343:16,21	1250:24
1473:3,10,	1315:5	1296:4,12,	,25	1251:2,7,1
22	1317:2	20 1297:4	1344:7,12,	4 1256:22
1474:3,10,	1407:22	1300:7,16,	15,18	1263:4
18	1430:20	24 1301:12	1345:6,12,	1265:11
1475:2,12	1458:20	1302:5,8,2	23	1345:19
1476:20,24	1461:24	1	1346:10,15	
1477:5,12,	1462:23	1303:6,13	,22	<b>aa,5</b> 1200.0
19		1304:2,5,1	1347:3,7,1	1346:9
1478:6,12,	dated	3	3,19,24	1359:22
18	1405:11	1305:4,10,	1348:2	1372:4
1479:1,8,2	<b>dates</b> 1304:1	20,25	1349:3,14,	1384:13
1	1458:13,24	1306:22	18,24	1386:21
1480:1,14	1459:4	1307:8,18,	1350:20,25	<b>DC</b> 1254:8
1481:2,11,	1468:17	24 1308:21	1351:10,18	<b>deal</b> 1275:7
17,21	<b>DAVID</b> 1244:9	1309:6,13	1352:4,10,	1303:19
1482:5,22	1250:10,21	1310:9,21	17,22	1327:16
1483:7,23	,25	1311:18	1353:8,23	1376:10
1484:12,21	1251:4,10,	1314:2,6,1	1354:10	1424:12
1485:6	17,24	8	1356:5	1424:12
1486:23	1252:4,22	1315:4,9,1	1357:8,18,	1420:13,17
1487:8	1252:4,22	2	20 1358:5	1447:21
1488:15,20	1254:7,19	1316:11,20	1362:20	1492:6
,23	1254:7,19	,24	1364:3,22,	1792.U
, = =	1200:15,22	,	1001.0,22,	

dealing 1250:19 1266:5				
1	1496:22	1497:3	1324:3	1341:15
1266:5	decimal	deferral	1364:25	depending
			1385:13	
1448:5	1418:12	1447:24	1390:5	1333:6
	decision	1478:16	1391:3,12	1341:13
<b>deals</b> 1493:4	1262:14	1479:11,19		1364:17
debate	1332:12	,20,21	delivered	1374:5
1497:10	1411:1,3	1481:5,6,9	1401:12	1457:7
	1415:10	<b>,</b> 15	delivering	depict
debating	1487:25	1495:25	1324:6	1314:24
1484:17		1496:1,2,1		
<b>debt</b> 1408:20	decisions	9,24	delivery	depicted
1414:10,13	1374:6	1498:1,7,8	1389:21	1452:21
,15,16,17	1449:4	,13	1390:6	1503:24
1416:2,8	decline	1510:21	demand	1504:1
1421:4	1363:7	4-61-	1266:20,22	depreciation
		deferrals		1249:24
1425:4	1419:22	1480:17	1267:4,11,	
1427:4,5	declined	1506:4	16,25	1332:4
1429:6	1425:2	deferred	1268:1	1369:20
1432:4	4	1339:6	1348:4	1370:2
1433:6,8,1	decrease	1478:24	1357:11	1424:24
7,20,22	1367:11	1487:20	demand-side	1425:10
1434:8,9,1	1443:17,19	1507:1	1491:2	1486:15,19
5	1508:19		1493:7	,22,25
1435:5,6,9	decreased	deferring		1487:6,9,
debt-equity	1426:24	1497:9	demobilize	1,23
1413:9,14	_	1499:19	1459:7	1488:2,6
1416:19,25	decreases	define	demonstrate	depressed
1410.19,23	1382:13	1257:12	1276:9	1295:15
debt-to-	decreasing		1500:5	
equity	1426:11	defined		depresses
1507:2		1266:16	demonstrates	1295:10,1
1508:8	decree	1315:1,13	1284:24	deputy
decade	1476:18	1316:21	1500:9	1388:15,10
	decreed	definitely	Denise	1300.13,1
1379:6	1472:23	1322:15	1243:16	describe
decades		1380:24		1263:8
1480:12	deduction		<b>dense</b> 1470:3	1363:23
December	1508:7	1390:13	density	1406:3
1242:23	<b>deem</b> 1326:11	definition	1378:23	described
1242:23		1408:22		1482:23
1046 00	deemed	1 4 1 0 0	depend	1402:23
1246:20		1410:9	- 1	
1307:9	1316:7	1410:9	1271:2	description
1307:9 1308:15	1316:7 <b>deems</b>	1469:22	- 1	description 1245:2
1307:9 1308:15 1311:17,19		1469:22 definitions	1271:2 1272:13	<del>-</del>
1307:9 1308:15	<b>deems</b> 1324:25	1469:22	1271:2 1272:13 dependable	1245:2
1307:9 1308:15 1311:17,19	deems 1324:25 deeply	1469:22 definitions	1271:2 1272:13 <b>dependable</b> 1256:9,15,	1245:2 1246:2
1307:9 1308:15 1311:17,19 1481:22	<b>deems</b> 1324:25	1469:22 <b>definitions</b> 1377:5	1271:2 1272:13 <b>dependable</b> 1256:9,15,	1245:2 1246:2 1247:2
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7	deems 1324:25 deeply	1469:22 definitions 1377:5 definitively 1466:8	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23,	1245:2 1246:2 1247:2 1316:19 1353:22
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7 1271:24	<pre>deems     1324:25 deeply     1357:25 defer</pre>	1469:22 definitions 1377:5 definitively 1466:8 delayed	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23, 25	1245:2 1246:2 1247:2 1316:19 1353:22 <b>design</b>
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7 1271:24 <b>decided</b>	<pre>deems     1324:25 deeply     1357:25 defer     1396:20</pre>	1469:22 definitions 1377:5 definitively 1466:8	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23, 25 1259:9,16	1245:2 1246:2 1247:2 1316:19 1353:22 <b>design</b> 1266:10
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7 1271:24 <b>decided</b> 1477:23	deems     1324:25 deeply     1357:25 defer     1396:20     1478:21	1469:22 definitions 1377:5 definitively 1466:8 delayed	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23, 25 1259:9,16 1266:5	1245:2 1246:2 1247:2 1316:19 1353:22 <b>design</b>
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7 1271:24 <b>decided</b> 1477:23 1478:21	deems     1324:25  deeply     1357:25  defer     1396:20     1478:21     1488:1	1469:22 definitions 1377:5 definitively 1466:8 delayed 1479:6 deliberation	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23, 25 1259:9,16 1266:5 1269:10	1245:2 1246:2 1247:2 1316:19 1353:22 <b>design</b> 1266:10
1307:9 1308:15 1311:17,19 1481:22 <b>decide</b> 1260:7 1271:24 <b>decided</b> 1477:23	deems     1324:25 deeply     1357:25 defer     1396:20     1478:21	1469:22 definitions 1377:5 definitively 1466:8 delayed 1479:6	1271:2 1272:13 <b>dependable</b> 1256:9,15, 17 1258:2,23, 25 1259:9,16 1266:5	1245:2 1246:2 1247:2 1316:19 1353:22 <b>design</b> 1266:10 1331:15

			1490 1000 01	
desirable	1283:17	1461:6	1428:13	dissension
1355:8	1398:5	differently	disclosed	1482:15
1474:20	developments	1272:17	1382:1	distinction
despite	1352:24			1411:24
1425:25		difficult	discloses	
1445:18	diagram	1276:5	1434:25	distort
	1315:5	1309:21	disclosure	1410:3,16
destination	dies	1379:19,23	1432:7	distribution
1321:16	1440:2,3	1383:8,24	discounted	1409:12,17
detail	difference	1425:12	1430:21	district
1387:18	1289:12	1469:21	1430:21	
1435:25	1290:25	1470:7	discouraging	1390:19,23
1461:11	1350:9	difficulty	1284:5	divergence
detailed	1420:25	1384:7,24	discuss	1383:6
1373:16	1421:7,15	digital	1418:19	diversion
1374:13	1432:8	1392:13	1419:4	1364:5,8,1
1383:23	1434:7		1486:7	6
	1450:9	direct		
determinatio	1451:8	1306:1	discussed	diverted
<b>n</b> 1246:7	1456:25	1371:14	1290:1	1364:18
1261:18	1497:1	1413:23,25	1368:2,6	divided
1282:19	1498:3	1465:20	1482:4	1339:11
1283:4		1482:6	discussing	division
1481:24	differences	1494:16	1300:11	1457:6
1506:22	1273:5	directed	discussion	1459:22
determine	1463:14	1346:6	1258:15	
1260:23,25	different	direction	1259:6	divulging
1261:22	1248:16	1305:15	1265:19	1368:21
1270:14	1255:8	1343:6	1291:24	document
1271:14	1274:21		1296:5	1249:1
1333:19	1275:4	directionall	1412:20	1294:6
1341:22	1284:21	<b>y</b> 1417:16	1416:17	1300:11,12
1346:4	1289:13,17	directions	1427:24	1358:22
1382:12	1318:22	1441:22	1484:8,14	1373:7
1399:16	1357:24	directive	1509:25	1402:18
1482:7	1358:4	1443:12	discussions	1404:15
determined	1373:7		1271:22	1434:23,24
1304:7	1374:5	directives	1272:14	1440:13,15
1316:10	1383:11 1386:5	1375:22	1487:21	,17
1331:13,15	1423:25	directly		1441:16
1332:21	1423:25	1310:24	dispatch	1447:6
1399:6	1450:12	1362:24	1314:10	documents
1422:2	1464:4,19	1457:4	1315:18,22	1248:11,12
determines	1469:23	directs	1316:8	<b>,</b> 17
1270:14	1473:9	1473:5	dispatched	1250:17
1505:6	1480:18		1322:1	1269:24
	1496:19	disagree	1334:11	1276:2,4
developed	1497:5	1456:15	dispatching	1280:11
1275:2		disappear	1340:6	1299:7
1482:11,24	differential	1432:25		1304:19
, 25	1433:10	disastrous	dispersed	1328:5,25
development	1453:6,10,	ursastrous	1470:5	1337:11
	11,17			

PUB = MANITOB	A HIDRO GRA	12-17-2012	Page 1536 OI	1300
1345:16	1286:1,2	1459:3,15	1409:3,21,	1428:12,14
1346:4	1323:20	·	24 1410:5	,16
1349:17	1331:3,4,9	<b>doubt</b> 1380:2	1412:5	1430:16,18
1351:14	,11	1393:5		,22
1358:18	1334:6,8,1	downgraded	due	1431:2,11
1359:2	4 1336:21	1417:21	1288:10,25	1432:23,24
1372:3,20	1337:21		1404:18	1433:5,9,1
1373:4	1338:14,15	downward	1426:24	4,25
1374:18,24	1343:10,17	1309:15	1443:11	1434:6,18
1375:16	1345:2,3,8	<b>dra</b> 1478:2	1468:4	1486:3
1385:3	1346:21	draft	during	1494:18
1396:17	1349:25	1477:21	1253:13	1500:6,10,
1398:1	1350:1,2,3	1477:21	1254:1,2,9	14
1400:15	,4,6,8,10,	0 1483:12	1306:1,4	1505:20,22
1405:14	12,15	1485:9,10	1324:2	1507:7,8,1
1432:16	1351:1,2	1403.9,10	1354:8,20	2
1434:22	1354:24	dramatic	1449:10	1508:8,22
1441:24	1367:12	1391:4	1453:7,21	1509:19
1447:9	1419:7,12	dramatically	1455:10	
1450:17	1420:2	1430:10	1462:2,9	earthquake
1451:2,20	1430:20		1463:2,4,1	1358:10
1452:13	1446:11	drastic	1 1466:5,6	easier
1454:3	1480:3	1390:16	·	1282:11,14
1456:2		draw 1420:22	dynamics	1390:7
1457:12	domestic		1262:18	+ 1201 01
1459:25	1252:20	drawn		east 1321:21
1460:10	1490:1	1280:25	E	1322:1,2
1463:17	<b>done</b> 1254:1	drive	earlier	Eastern
1469:13	1261:14	1354:13	1352:5	1380:4
1472:3	1262:11	1388:2	1356:20	<b>easy</b> 1275:20
1492:10	1267:10	driven	1359:14	_
1493:17	1272:9	1293:8	1383:4,20	economic
1499:23	1301:18,20		1386:17	1274:11,12
4-11	1303:19,24	driver	1404:17	1321:17
dollar	,25 1364:9	1419:24	1416:17	1332:14
1338:23	1378:5	drives	1421:21	1334:16
1340:10	1382:16	1296:22	1422:8	1434:25
1343:17	1387:16	1348:8	1425:24	1441:15
1344:8	1388:3,15	1357:11	1461:22	economical
1345:9	1390:6		1467:17	1320:1
1355:1	1400:4	driving	1487:17	economics
1364:11,24 1365:4	1402:7	1344:5	1498:5	
1305:4	1475:3	drought	1506:2	1340:7
1383:2	1491:19	1426:7,10	1508:21	economy
1385:25	1499:15	1428:10,21	1509:5	1274:25
1428:8	1509:1	droughts	early	1413:24
1428:8	<b>dot</b> 1509:13	1428:23	1272 <b>:</b> 25	<b>EF</b> 1469:24
1499:3,4,3		1420:23	1352:1	
		エヨムグ・エフ		<b>eff</b> 1295:5
dollars	<b>dots</b> 1346:18		1420:24 <b>I</b>	
1264:21,22	dots 1346:18	<b>dry</b> 1306:11	1420:24	effect
1264:21,22 1268:17		<b>dry</b> 1306:11	earnings	
1264:21,22 1268:17 1269:3,4	dotted	dry 1306:11 DSM 1498:8	<b>earnings</b> 1418:22	<b>effect</b> 1264:23
1264:21,22 1268:17 1269:3,4 1285:11,12	dotted 1281:10 1282:5	dry 1306:11 DSM 1498:8 1511:4	<b>earnings</b> 1418:22 1420:18,23	effect 1264:23 1292:19
1264:21,22 1268:17 1269:3,4	<b>dotted</b> 1281:10	dry 1306:11 DSM 1498:8	<b>earnings</b> 1418:22	<b>effect</b> 1264:23

	1111111110011	IIIDNO GNA	12 17 2012	rage 1337 0.	1 1 3 0 0
13	10:10	1470:17	1336:25	1401:14	1402:23
13	20:4	EFTs	1348:4	<b>email</b> 1249:2	encompasses
13	54:11	1470:2,3,6	1361:10	1370:3	1267:16
13	60:20,25	14/0:2,3,6	1379:4	13/0:3	1207:10
13	64:6	eight	1478:14	emailed	encountering
13	74:25	1281:18	electricity	1248:10	1401:2
14	13:11	1324:8	1254:21	embarking	encourage
14	37:6	1356:16	1258:14	1408:7	1395:9
14	76:7	1358:17	1268:9,12	1427:15	
15	10:10,22	1365:19,20	1270:10		encouraged
effe	cted	1371:19	1270:10	embed	1393:19
	57:4	1443:8	1286:11	1352:24	endorse
		1451:16	1318:13	embedded	1377:19
	cting	1452:4	1323:21	1289:9	
13	90:4	1461:6	1330:20	1458:14	endorsement
effe	ctive	1463:11	1336:22	1497:1	1476:4,5
	15:24	eighteen	1340:5,19,		energy
	07:8	1417:6	25	<b>emer</b> 1458:17	1251:3
	08:1	1423:8	1342:7,16,	emergencies	1252:11 <b>,</b> 12
	17:18		25 1343:11	1253:19	<b>,</b> 14
	55:9	eight-eight-	1344:19	1254:2,6,9	1253:3,6
	87:18	one	1345:4	1332:23	1257:1,4
		1453:18	1348:5,9	1458:17	1258:4,20
	ctively	eighty	1355:23	omorgonau	1259:16
14	65:12	1365:19	1356:4,12	<pre>emergency 1253:19</pre>	1260:9
effe	cts		1357:9,14	1233:19	1261:15
12	95:6	eighty-nine	1364:25	emission	1262:4
14	26:9	1451:6	1365:4,6,7	1351:25	1265:11
		1452:5	,10	emissions	1266:25
	ciencies	eighty-one	1429:21	1352:20	1267:1,2,
	32:24	1451:16	1470:4		1269:15,2
	39:25	1452:4		emphasis	1298:9
	40:4	either	electricity-	1423:6	1300:22
	75:2		generation	employee	1303:11
13	88:1	1254:1 1265:23	1284:23	1457:2,8	1304:9
effi	ciency		electronic	•	1305:3
13	32:18	1341:13	1392:13	employees	1322:19
14	59:5	1345:19 1346:7		1390:8	1323:1
offi	cient	1458:24	element	1406:16	1324:6,10
	15:25		1444:17	1408:9,11	1326:8
	30:11,17	1464:15	1447:10	1455:8,13,	1331:5,24
	30:11,17	1486:1	1457:21	14,16,20	1337:2,3
	32:2 87:12	1507:3	1458:10	1456:9	1345:24
	88:6	<b>ele</b> 1288:18	1495:3	1457:4	1346:5
		election	eleven	1461:24	1357:3 <b>,</b> 16
	91:2,13 94:5	1419:3	1303:6	1462:3,10,	24
	59:10		1401:24	12,23	1358:3,11
		electric		1464:1,9,1	1362:18,2
effo		1355:5	eliminated	3	1394:5,7
12	52:2	1446:4,12	1366:20,23	1466:3,4,6	1395:20,2
	76:10	1449:13	1367:4	,12,13,14,	1396:3
14	40:9	1450:2	elsewhere	15	1412:11
EFT	1469:23	electrical	1372:25	enacts	1437:20
·- <del>-</del>					

1491:16	envisioned	1429:13	events	1393:14
engaging	1279:19	1432:25	1306:4	1394:2,11,
1400:7	<b>equ</b> 1461:20	1438:24	1414:18	17 1439:7
	<b>equ</b> 1401.20	1439:1	1458:6	1442:17
engineering	equal	1487:2	eventually	1443:6
1390:3	1272:13,17	establish	1379:6	1445:23
engineers	<b>,</b> 19	1341:10	1422:2	1510:18
1380:22	1353:11		1507:1	examples
	1413:4	established	1307:1	1391:15
enhance	1416:12,14	1269:10	everyone	1409:8
1412:11	1418:7	1277:6	1248:4,5	1435:22
enlighten	1510:19,25	1281:18	1249:2	
1482:2	equally	1283:11,21	everything	exceeded
ensure	1504:18	1314:7,8	1384:14	1417:1
1255:9		1320:18		excellent
	equipment	1493:21	evidence	1426:1
<b>enter</b> 1252:9	1331:23	estimate	1274:9	
1256:18,19	1386:5	1291:18	1306:1	<b>except</b> 1264:24
1257:2	1392:13	1303:18	1373:22	
1262:16,23	equity	1310:12	1374:3	1321:8 1324:1
1263:2	1412:23	1311:4,6	1482:6	
Entergy	1416:3,9	1339:21	1505:7,8	1425:16,17
1319:8,10	1421:5	1450:19	evident	1486:14 1490:16
·	1425:18	1461:8	1305:9	1490:16
enterprises	1426:19,22	estimated	evolving	exception
1472:24	1427:10,14	1247:24	1356:25	1265:5
1473:12,13	1428:1,5,8	1380:22	1350:25	1410:12
entire	1494:17	1437:3		1412:4,5
1455:2	1508:10,25		<b>exact</b> 1284:1	excess
1471:20	equivalent	estimates	exactly	1429:10
entirely	1334:1	1288:1	1416:7,12	
1509:25	1462:24	1306:10	·	exchange
	1463:9	1341:20,22	<b>exam</b> 1373:9	1495:22,24
entities	1466:13	1435:16,17	example	1496:11
1315:15	1469:15	<b>et</b> 1356:20	1252:6	exclude
1319:1		1374:6	1253:21	1455:8
1481:9	equivalents	1380:22	1258:22	Excuse
1484:10	1461:20	1384:17	1267:15	1310:22
entitled	escalation	1436:1	1282:3	
1324:9	1350:4	evaluate	1290:3	executive
1326:16	1423:16	1380:21	1319:13	1401:13
1510:20	especially	1448:16	1324:4	1406:11,14
envelope	1384:3		1330:24	1407:11
1276:6	1386:3	evaluated	1336:15	1411:2
1∠/0:0	1497:20	1260:3	1354:5	executives
Environment		evaluating	1366:2	1408:4
1277:3	essence	1449:9	1376:12,25	
	1471:6		1378:1	exemplifies
environmenta		evaluation	1386:16	1351:23
environmenta 1 1329·18	essentially	40-6-		
<b>1</b> 1329:18	=	1379:5	1387:8	exercise
1 1329:18 1498:10	1322:6	1379:5 <b>event</b> 1307:4	1389:18	<pre>exercise 1281:6</pre>
<b>1</b> 1329:18	=			

OD MANITOD	A HIDRO GNA	12 17 2012		1360
3 1380:1	1352:1	1398:9	1438:12	1277:1
1382:7		1410:2,23		1278:18
1383:25	existing	1449:8	experience	1279:13,1
1398:21,23	1259:1	1455:2	1265:24	1284:10
1399:3	1323:16	1496:21	experienced	1285:9
	1409:16		1322:10	1286:25
exercised	1412:11	expense		1288:10,2
1374:19	1439:21	1310:24	experiencing	1289:15
exhausted	expansion	1360:7	1423:23	1290:2
1253:7	1398:11	1361:4	expert	1290:2
		1370:11,15	1270:9	
exhibit	expect	1371:1,2,8		1296:21,2
1245:2	1306:15,18	,9,13	experts	1298:11
1248:15,16	1307:13	1387:3	1343:5	1302:9,10
<b>,</b> 19	1311:1	1400:18	explain	15 1314:4
1249:3,7,1	1319:7	1401:10	1254 <b>:</b> 5	1320:21
3,23,25	1356:21	1402:24	1321:17	1327:14
1250:16	1385:14	1410:20	1323:23	1341:1
1278:17	1399:21	1413:19,20		1342:17
1285:5	1423:3	1414:4	1330:18	1348:6
1286:20		1421:1	1337:10	1355:18
1290:4	expectation	1425:11	1362:17	1364:14
1292:6	1256:20		1385:6	1386:10
1294:24	1257:3	1446:4	1400:12	1419:22
1300:10	1263:3	1451:2	1448:19	1425:22,2
	1347:6	1501:6	1451:11	,24
1304:13	1422:25	1502:20,23	1452:24	1426:11,2
1314:23	1443:18	expensed	explained	1436:4
1317:24	1475:10	1444:24	1312:19	1439:10,1
1337:13	1485:15,21	1458:10	1340:18	,18
1369:18	<b>,</b> 23		1468:3	1489:18,2
1398:2	1489:15	expenses		1490:21
1404:11		1360:17	explanation	
1417:5	expected	1425:1	1271:21	exporting
1447:9	1246:11	1442:7	1316:6	1313:25
1449:25	1256:17	1444:12	1338:4	1321:11
1450:14	1278:18,22	1445:2	1403:21,24	exports
1451:7	1298:1,12	1446:9	1467:10	1246:19
1452:14	1307:21	1448:2,5	1468:6,14	1240:19
1454:4	1308:2	1454:13	1471:20	1308:14
1486:12	1443:7,20	1467:22		
1487:4	expecting	1511 <b>:</b> 2	explicit	1311:15
Exhibits	1300:14	expensing	1476:5	1322:5
	1438:16		explicitly	1325:2
1244:3	1480:24	1465:6	1476:8	1348:15
1245:1	1400:24	1510:19		1386:4
exist	expects	expensive	export	1425:10,2
1405:25	1357:2	1252:7	1250:15	1426:2
1485:7	1401:5	1253:16	1252:20	1438:22
	ovnondi t	1258:3	1255:11	1489:10
existed	expenditure	1323:19	1257:7	1490:6,17
1281:4	1332:19	1332:2	1258:21	exposed
1282:1	1410:1,16	1332:2	1260:2,8	=
1495:13	1411:13	1340:14	1262:21	1324:15
	expenditures	1395:1,8	1269:23	1343:1
existence				

PUB -	MANIIOBA	HIDRO GRA	12-17-2012	Page 1540 01	_ 1300
147	77:20	1439:6,14	1258:17	1372:13	1445:10
	78:2,10		1259:9	1374:8	1453:6
	33:12	facility	1263:22		1464:13
	35:9,10	1344:22	1341:6	favourably	1487:3
148	35:9,10	<b>fact</b> 1376:17		1377:3,7	1487:3
expre	essed	1377:4,6,9	1342:4	fearful	figures
137	74:22,23	,18	1361:22	1499:14	1266:19
137	76:16	1386:12	1389:22	1499.14	1284:10
exter	24	1388:19	1432:2,6,8	February	1290:1
	22:16	1390:14	1434:16	1288:9	1309:4,11
142	22:10		1472:16	1293:21,23	1366:16
exter	nds	1394:8	1509:17	1294:4	1458:15
131	L7:1	1402:12	fairly	1297:11	<b>f:l</b> 1047.10
avtar	nsion	1415:17	1368:2	1303:24	file 1247:18
	93:6	1416:3	1374:7	February/	1249:15
123	93:0	1422:1	1377:1		1282:11
exter	nsions	1423:18	1410:23	April	1396:3,9
140	9:18	1425:17,25	1426:12	1288:12	1399:21
exter	n+	1434:4	1468:14	<b>fee</b> 1361:18	1497:12
	54:2,16	1438:16	1495:23	1362:9	1511:21
	56:10	1462:1		1364:15,16	filed
	57:1	1474:12	fair-value	1435:9	1248:24
	29:8	1487:12,19	1430:16	<b>feel</b> 1272:16	1249:22
	72:10	1488:17	<b>fall</b> 1307:3		1276:23
14.	/2:10	1494:8	1353:12	1393:17	1286:21
exte	rnal	1497:2	1404:19,20	fees	1373:22
129	91:2	1506:1	1409:1	1359:17 <b>,</b> 20	1405:1
140	00:7	1508:4	1477:22	<b>,</b> 24	1423:18
147	76:9	factor	1483:12	1361:9,10,	1442:10
extra		1329:17		11 1362:14	1457:6
	95:16	1339:3	fallen	1380:22	1460:11
	96:21	1378:20	1425:22	<b>felt</b> 1479:10	1500:7
	03:11	1385:4,12,	falls	Tell 14/9.10	
130	73.11	14,20	1362:18	<b>FERC</b> 1326:14	filing
extra		1391:13	1446:9	Fernandes	1276:23
	92:11	1414:11	familiar	1243:5	1288:23
149	93:18	1424:6		1248:8,9,2	1293:18
extra	aordinar	1425:21	1299:19	3	1297:18
	1495:23	1467:16	1328:19	_	1441:17
-			1348:17	Fernandes's	1460:25
extra	aprovinc	factored	1358:24	1249:20	1507:15
ial		1467:19	farms	fifteen	filling
128	38:10,25	factors	1269:19	1341:18	1405:25
extre	eme	1292:16	FASB 1491:8	1409:1	1406:4
	96:1	1295:17	PASE 1491.0	1430:14	£:1
		1309:14	<b>fast</b> 1416:1		final
	emely	1383:4	favour	fifty	1293:23
147	70:7	1414:14	1482:13	1392:21	1448:25
		1420:7	1483:24	1429:25	1481:12,23
	F	1425:9		fifty-four	1482:11,14
facil	lities	1426:13	favourable	1451:4,22	,24
	29:21	1428:19	1255:6	1452:25	finalization
	32:5	1468:20	1307:12		1495:17
1 2 3				. FIGUES I	
	53:2	<b>fair</b> 1257:6	1309:19 1322:9	<b>figure</b> 1309:3	finalize

1294:19	fingerprints	1509:2	fixed	focussing
finalized	1299:22	fiscal	1256:25	1398:21
1293:23	finish	1287:1	1334:7	footnote
1294:3	1358:17	1292:8,14,	1339:25	1435:7
1467:18	1432:18	25	1344:22	
	1459:8	1293:7,10	1354:16	footprint
finally		1297:6	1387:4	1315:20
1480:7	finished	1305:2	1425:10	1318:21
finance	1294:3	1328:7	1430:14	1319:2,8
1370:15	fire	1401:21	1455:17	1327:12
1371:2,8	1309:9,25	1402:10,11	<b>flat</b> 1322:6	<b>fore</b> 1423:25
1414:3	1310:11	,20 1404:5	1377:9	1450:1
1425:1		1405:10		
1502:23	Fires 1254:7	1407:8	<b>fleet</b> 1307:3	forecast
£:	<b>firm</b> 1252:20	1442:14	1321:19	1246:15
financed	1260:4	1447:17	<b>flip</b> 1375:14	1270:2,10,
1427:4	1291:4	1450:15,16	1455:12	15,18
1429:6,7	1323:4,10	,21		1271:15
financial	1324:10,13	1476:21,23	floating-	1272:25
1354:4,8	1326:19	1478:24,25	rate	1273:2,3,8
1359:11	1327:7,15	1479:7	1414:16	,18
1374:20	1438:21	1480:24	<b>flow</b> 1262:14	1275:23
1383:7,10	firms 1485:8	1481:18	1297:2,6	1276:25
1427:15	111ms 1400:0	1493:5	1306:10	1277:6,7
1430:22	first	1494:15	1309:19	1278:6,8,1
1431:4	1248:11,25		1310:18	1
1432:1,3	1270:17	<b>fit</b> 1359:10	1356:6	1279:1,13
1436:3	1273:14,15	<b>fits</b> 1286:11	1426:1	1280:13
1462:20	1295:14	<b>c:</b> . 1051 10		1281:12,15
1466:17	1296:9,23	<b>five</b> 1251:16	flows	,16,24
1471:24	1302:24	1254:25	1246:12	1283:16,25
1473:1	1305:1,24	1255:3,20	1263:18	1284:3
1476:3,7,1	1340:11	1256:2,8	1268:4	1285:22
0	1367:4	1264:21	1296:2	1286:11,15
1485:20,22	1376:8	1271:6,7	1298:1	1289:9,15
1487:17	1398:22	1272:20	1299:6	1290:21
1488:14,19	1399:4	1278:3	1300:23	1292:8
1491:8,10	1411:16	1324:5	1301:4,8	1293:9,22
1499:20	1432:20	1328:20	1307:22	1295:25
1501:14	1439:19	1329:5	1308:4	1296:10,17
1506:10	1440:11,13	1331:3,8,9	1424:20	1298:5
financing	1441:8	1341:20	1425:9	1305:11,12
1408:20	1442:1,18	1353:1	1429:14	,23 1308:9
1427:5	1448:9	1356:15,19	1439:11,14	1310:6
1427:3	1454:6,17	1391:18	1474:19	1312:9,21
	1455:5,15	1393:1	fluctuate	1328:16
finding	1463:18	1411:18	1414:4	1329:6
1357:1	1467:5	1424:24	Flynn	1339:19
1375:2	1481:12	1425:3	1287:14	1349:12,20
1424:16	1486:23	1428:10		1350:3,7,1
fine 1292:2	1487:9	1451:5	focus	8,23
1434:10	1498:9	1452:5	1381:10	1351:14,22
1473:25	1499:25	1462:15	1402:3	,24
11/0.20		1467:24		1352:13,14

FOB MANITOD	A HIDRO GRA	12 17 2012	- rage 1342 01	1900
,20 1359:6	1270:13,21	<b>forth</b> 1362:2	fraction	1452:18
1368:22,24	1271:11	<b>—</b>	1253:25	1467:20
1369:5	1272:10	Fortis		1475:4
1411:13	1273:22	1384:4	frame	functions
1417:9,12,	1274:4,9	fortunate	1288:13	
13,20,21	1275:9	1421:18	1383:12	1378:15
1418:9	1280:12,14	1427:13	1438:7	<b>fund</b> 1429:9
1421:4	,15,22	fortunately	1439:5	fundamental
1422:11,13	1284:21	1477:24	framework	1387:5
,16,21,24	1285:2	14//:24	1383:12	
1423:1	1291:2	forty	free 1359:20	funds
1427:20	1351:8	1364:11,25		1429:8,9
1429:17	1352:25	1365:4	freeze	1430:3
1435:1	1354:1	1392:20	1405:24	furthest
1436:8	1368:7	forty-eight	1406:3,10	1442:5,20
1442:19	1423:25	1286:1,2	1415:12	
1444:20	1424:2,11		freight	future
1447:12	1435:19	forty-four	1480:4	1247:24
1450:1,17,	1506:24	1336:17		1274:22
20 1451:14	1507:25	forty-nine	frequency	1341:14,16
1467:19	1509:7	1253:22	1468:18	1342:12,22
1485:21,22	forensic	F	frequently	1355:11
1487:17	1383:17	forty-one	1371:22	1394:11
1498:11	1303.17	1285:24	Friday	1398:8
1506:3	foreseen	forty-three	=	1422:7
1507:23	1296:3	1268:17	1249:12 1250:14	1424:10
1508:20	forestall	1269:4	1250:14	1429:23
forecasted	1460:21	<b>forum</b> 1376:6	1258:16	1432:14
1329:1		1377:11	1200:19	1435:13,17
1435:12	forever	1384:23	front	1437:3 1438:15
	1483:5		1249:15	1485:23,24
forecaster	forget	forward	1465:13	1486:14
1358:8	1495:19	1256:24	<b>fuel</b> 1331:10	1497:9
forecasters	1498:21	1275:5,7	1332:3	1497.9
1247:23	forgetting	1295:12	1334:9	-
1271:2	1506:11	1339:18,21	1339:11	G
1274:15		1353:4	1340:19	<b>GAAP</b> 1383:7
1341:21	forgotten	1354:12,15	1345:20	1431:20
1356:17,21	1418:13	1417:20 1424:9	1356:6	1474:9,11,
1435:19	form 1355:2	1	1496:25	25 1475:5
1436:6,12	1364:21	1427:17 1428:25	<b>full</b> 1315:11	1477:10,11
1437:2	1369:21	1420:25	1451:3	,13
forecasting	1493:11	1430:2	1451:3	1488:14,18
1265:8	former	1437:10,21	1453:6,9	,25 1489:1
1269:23	1388:16	1456:15	1504:3	1491:7,17,
1286:6	1400:16	1482:8		23,24
1351:13	1400:16		Full-cost	1494:2,6,2
1436:4,5,6	1441:23	four-point-	1464:25	5
1440:24		three	full-time	1495:15,20
1460:15	formula	1444:21	1461:20	, 25
1467:22	1268:7	fourteen	1462:23	G-A-A-P
1508:14	for-profit	1286:1,2	1469:15	1474:9
	1434:5			
forecasts			fully	

<b>GAC</b> 1243:9	1319:25	1333:18	1259:2	1272:11
	1349:11	1336:16	1261:8	1290:6
gain	1351:17	1339:2		1291:2
1252:2,5	1352:6	1342:20	generators	1298:13
game 1353:17	1353:22	1357:21	1259:13	1378:22
<b>Gange</b> 1243:9	1359:8,20	1362:22	1264:18	1397:17
Gange 1243:9	1407:17,18	1380:15	1314:11	
<b>gas</b> 1264:17	1412:6,7	1409:13	1315:19	<b>gives</b> 1278:4 1435:11
1284:22	1442:6	generation	1346:1 1348:10	1460:3
1319:13,17	1450:12	1294:23,25		1400:3
<b>,</b> 25	1460:11	1294:23,23	gentlemen	giving
1320:1,11	1474:2	1295:3,6,9	1461:18	1248:15
1321:14	1497:11	1298:1,10	geography	<b>glad</b> 1393:25
1328:15	1500:11	1300:15	1376:12	
1329:2,15,	1505:4	1300:13	1470:1,5	glasses
24,25	generally	1301:20	•	1276:19
1330:1,20	1341:12	1306:24	germane	global
1331:2,18,	1348:3	1300:24	1418:18	1425:13
21,25	1363:9	1307:13	<b>gets</b> 1323:7	1441:3
1332:7	1390:10	1310:13		<b>1</b> 1410.F
1333:11,18	1394:21	1310:13	<b>getting</b> 1271:3	<b>goal</b> 1413:5
1334:21	1412:12,14	1315:18,23		1415:24
1340:18	1426:18	1316:9,13	1278:3 1334:3	1419:19
1341:6,16,	1427:9	1319:17	1348:15	<b>goals</b> 1399:2
18,24	1474:5	1320:15,19	1349:4	go-forward
1342:1,6,1	1504:24	1320:13,13	1349:4	1419:18
3,14,16,19		1328:15	1379:7,21	
,21	generate	1329:25	1399:1	<b>gone</b> 1281:6
1343:3,19	1263:21	1337:14,15	1415:17	1302:16,17
1344:20	1348:12	,20	1438:11	1320:7
1345:11,12 1346:8	1366:25	, 1338:9,11	1446:3	1338:14
1348:21	1422:14	1341:11,12	1508:4	1426:3
1349:12	1429:8	1343:12		1465:7
1349:12	generated	1355:24	gigawatt	1488:6
1351:9	1257:21	1357:10	1253:22	1494:19
3,21	1290:17	1363:23	1294:25	1497:24
1355:7,11,	1300:5	1364:4	1295:16	goodwill
22	1330:20	1380:8	1296:21	1502:5
1356:8,9	1342:7	1408:25	1298:4,9,1	<b>gory</b> 1435:24
1357:10,11	1427:21	1409:5,16,	9	
,12,14	1429:8	24	1300:5,15, 22	Gosselin
1408:9	generates	1410:5,6,1	1303:11,13	1242:14
1439:7	1331:19	0,13	1304:8	1284:16
1480:16		1411:11,17	1304:6	government
1497:3	generating	1412:2,8,9	1306:15,17	1366:4
1501:23	1254:7	1420:9,12	1338:11,12	1390:25
1502:7,11	1258:13 1259:23	1429:11,21	1365:21	1473:5,13
Gas-	1259:23	1437:7,14,	1470:4	<b>GRA</b> 1272:21
	5 1262:25	22,23		1287:17
generated	1268:10,12	1438:9	gimmicks	1297:18
1340:24	1307:3	1439:4,8,1	1499:18	1374:4
general	1329:19	2	1506:5	1442:19,22
1242:7	1332:18	generator	given	1443:6
	1334.10			T440.0

		-		
1444:19	1497:16	1369:24	having	2,15,17,20
1460:14	grown 1318:1	half	1262:10	1333:2
1467:8	1319:15		1295:6,16	1350:13
1480:22,23	1319:13	1250:18,19	1301:15	h 1
1493:4	growth	1255:10	1305:15	heavily
	1274:25	1298:10,16	1323:14	1269:11
<b>grab</b> 1435:1	1318:10,21	,20	1329:23	hedge
gradually	1319:16	1333:13	1332:24,25	1354:19
1480:13	1320:20	1420:2	1352:25	
	1442:20	1459:15	1353:12	hedging
grand 1367:3	1443:7,19	halfway	1356:15	1354:11
grandfa	1444:20	1396:17	1357:16	1355:24
1483:8	1467:6,24,		1419:20	<b>HELD</b> 1242:19
	25	hand 1334:24		
grandfathere		1356:16	1425:18	he'll
<b>d</b> 1483:4,5	<b>GS</b> 1453:9	1387:7	1489:1,9	1369:24
grandfatheri	quaran	1457:22	head 1394:1	<b>help</b> 1383:17
ng 1482:23	1343:2	handed	1397:8	1416:5
1483:2		1276:17	1412:4	
	guarantee		hardin.	helps
granted	1309:24	handle	heading	1291:24
1481:8	1435:9	1248:14	1451:15	1424:21
graph 1276:3	quarantees	happen	headquarters	1497:8
1284:5	1424:9	1278:13	1459:8	Here's
		1406:12	h 1 + h	1396:19
great	guard	1424:10	health	
1376:10	1508:23	1439:16	1378:12	he's
1387:18	guess	1480:9	healthcare	1339:22,23
1424:20	1264:12		1378:1,13	hesitating
1425:9	1265:4,6	1497:25		1470:16
greater	1284:8,24	happened	hear 1283:10	
1263:16	1310:7	1247:16	1377:24	hesitation
1320:10		1271:23	1423:10	1456:20
1320:10	1347:10	1321:7	heard	<b>high</b> 1259:2
greatly	1384:2	1356:15	1356:20	1264:16
1380:17	1390:1,9	1389:3,11	1481:23	1277:6,9,2
green	1394:19	1424:19		0 1278:19
1281:21	1417:7	,	hearing	1279:13
	1437:16	happens	1270:1	1283:25
1315:2,8,1 6 1318:24	1456:10,19	1378:5	1277:3,5	1322:23
	1458:23	1473:10	1279:4	1323:23
1471:1	1464:17	happy	1281:5	1339:14,17
gross	1473:23	1287:15	1303:5	1340:4,5
1454:21,24	1478:20	1510:24	1373:23	
group 1254:9	guiding	<b>1 1</b> 1011 10	1416:17	1352:15
1471:23	1504:5,7	hard 1311:13	1464:9	1353:21
14/1:23	·	1319:3	hearings	1354:20
grouped	guy's	1383:9	1283:13	1377:3
1359:20	1497:24	1469:18,20	1373:17	1394:23
grow 1319:5		haven't	1427:19	higher
1328:16	Н	1354:14	1461:22	1254:24
1497:16	<b>ha</b> 1366:23	1475:4,15		1277:17,21
		1481:23	heat	,23
growing	Hacault	1496:10	1330:15,24	1280:14
1328:16,22	1243:12		1331:1,7,1	1305:15

FOB MANITOD	A HIDRO GRA	12 17 2012	rage 1343 01	
1306:10	hopeful	1304:8	hydraulic	1271 <b>:</b> 12
1338:3	1438:15	1305:2,8	1246:12,15	1272:10,23
1355:17		1306:15,17	1253:2,6,7	1273:24
1357:13	hopefully	1308:22,23	,15	1274:8,14,
1373:24	1373:4	1318:1	1294:23,24	
1380:3	1506:8	1319:14,17	1295:3,6	1275:11,18
1401:6	horsepower	1320:25	1296:1,16	,19,22
1403:3,18	1268:7	1324:2,5,8	1298:4,24	1277:2,6
1404:6,7	hospital	1327:16	1300:15	1282:16,17
1416:20	1378:2	1338:11,12	1301:8,19	,23,24
1463:10		1339:24	1305:3,8	1283 <b>:</b> 16
1496:15	1389:18,22	1364:10	1306:23	1286:15,20
	,24	1365:21	1307:15,22	1288:21
highest	hospitals	1366:7	1308:4,8	1291:19
1283:19	1378:4,9	1470:4	1309:8	1292:6
1398:24	hot-water		1310:6,18	1294:7,18
high-low		housekeeping	1311:16	1295:3,25
1246:8	1363:5	1369:16	1322:9	1300:5,10,
1282:20	hour	<b>huge</b> 1263:18	1337:14	14
1283:6	1251:9,16,	1290:25	1380:14	1301:4,14
	23 1253:12	1333:11	1412:8	1306:2
highly	1254:23,25	1342:12	1438:9	1307:21
1262:12	1263:1	1383:22	1439:8,9	1308:1,7,1
high-water	1264:22	1421:23	1440:1	3 1311:15
1322:24	1268:9,15,	1423:16,23	1471:15	1312:1,2
1323:12,17	18,22	1426:23		1313:18
hinders	1269:7	1480:18	<b>hydro</b> 1242:6	1314:4,17
1291:24	1292:10	1497:5	1243:4	1315:22
1291;24	1298:11,17		1244:6	1316:2,7,1
hint 1390:23	1331:4,10	hundred	1246:3,4,1	3
hire 1270:10	1333:24	1249:1	0,13,18,21	1317:14 <b>,</b> 16
1275:22	1334:13,15	1253:24	1247:3,13,	,19
	1337:22,25	1295:1	14,15,17,1	1321:9,10
historical	1343:17	1307:14	8,21	1322:12,25
1251:6	1344:6,9,1	1325:8	1248:10,15	1323:6
1447:11	4 1345:10	1327:10	,24	1324:13,14
history	1346:21	1333:8,10	1249:3,12,	1325:17,23
1415:11	1350:15	1336:17	13,16,23,2	1326:8,15
1454:7	1354:25	1337:21	5 1250:7	1327:4
1475:23	1364:11	1338:15,23	1251:2,14,	1328:8
1494:18	1365:23	1419:7,12	20 1252:1	1332:12
	1369:16	1436:15	1254:3	1335:1,9
hit	1446:18	1446:10,11	1259:1,19	1337:14
1486:2,14	1511:10	1451:4,5	1260:7,24	1340:25
<b>Hm</b> 1262:5	hours	1452:25	1261:11,16	1341:10,23
		1455:8,13	1262:3,13	1342:18
hold 1327:15	1252:13	1461:21,23	1263:9,14	1345:19
1434:15	1253:13,22	1462:15,22	1264:13,20	1348:14,18
holes	1295:1,16	,24	1267:10,11	1349:11
1318:25	1296:21	1463:3,7,8	<b>,</b> 25	1350:7
	1298:4,9,1	1466:11	1269:12,18	1351:7
hope 1248:5	9	<b>HVAC</b> 1363:13	, 25	
1311:12	1300:5,15,		1270:2,8,1	1352:19
1483:17	22	<b>hy</b> 1471:14	2,13,17,21	1353:3,16
	1303:11,14			1355:3

FOD M		A HIDRO GRA	12 17 2012	rage 1340 01	
1356:	:7,17	1454:5	1285:5	1351:15,22	1280:12
1359:		1458:20	1313:25	1352:14,25	1287:16
1361:		1460:15	1316:9	1353:4,20,	1288:2
1362:		1462:7	1317:11	24	
1366:		1464:18	1318:9		<b>IFF10</b> 1288:2
	:17,18	1469:14	1322:4,5	ICF's	1289:8
1371:		1471:7,9,1	1324:10	1352:4,17	IFF10-1
	6,13,	1,21,22	1328:15,25	icing	1287:19
15	, ,	1472:3,25	1332:6	1386:22	IFF10-2
	:1,2,2	1473:14	1340:20	TIA 1050.4	
0	, _ , _	1474:24	1342:5,22	I'd 1250:4 1299:3	1280:12
1374:	8.19	1475:7	1347:6		1288:5
1375:		1476:11	1350:19	1370:6	1442:10
	2,15,	1478:10	1355:15,18	1422:6	1507:22
23	/ _ /	1480:22,24	1358:21	1444:1	1509:6
1381:	2.15	1483:2	1360:8	1472:20	IFF11
	:17,22	1484:10,18	1362:7	1501:19	1246:23
	:6,7,1	1485:15	1370:12	<b>idea</b> 1266:21	1288:8,19,
9 138		1486:2,5	1371:14,18	1272:5	24
1386:		1488:18	1372:5	1285:22	1289:7,12
	16,24	1492:9,16,	1373:16,23	1433:7	1293:15,25
	:13,15	19	,25	1435:11	1294:2
,21,2		1496:14,15	1374:14	1484:5	1297:5,11,
	2,3,7	,17	1394:1	ا معالمة ا	23 1298:5
,8,10		1497:12	1395:23	identical	1300:23
1392:		1498:2,5,8	1405:9,10	1369:4	1301:5
	:13,20	,14	1411:12	identified	1303:24
,21	.13,20	1499:6,25	1420:18	1254:13	1311:24
1396:	. a 1 a	1500:18	1441:15,23	1377:12	1312:22
1398:		1501:24	,25	1409:24	1313:1,3,1
1399:		1502:15	1442:19	1444:6	4,21
1400:		1503:22	1476:23	identify	1368:4
1401:		1504:19	1478:24,25	1398:24	1481:3
	:1,21,	1505:22	1479:7	1408:24	11 1
22	, ,	1506:18	1480:25		IFF11-1
	:10,17	1510:18	1482:2	<b>IFF</b> 1270:19	1297:24
	:2,3,1		1485:3	1273:4,12	IFF11-2
8,25	. 2 , 3 , 1	Hydro-Quebec	1486:5	1279:2	1280:13
1417:	5 20	1317:8	1490:23	1283:24	1288:12
1418:		1382:17	1491:12	1287:9,16	1289:20
1419:		Hydro's	1499:24	1288:5	1297:13,17
	:8,17,	1252:19	1506:19	1289:19	<b>,</b> 22
21,23		1258:9	1300.19	1297:12	1298:3,24
1423:		1259:12		1301:6	1301:16
1430:		1264:4,12	I	1305:16	1302:4
	:7,20,	1265:20	IBEW	1307:9,10	1303:24
24	, , , , , ,	1267:22	1379:12,15	1309:7,8	1304:20
I	:8,17,	1273:17	1407:7,24	1358:21	1305:18
	139:21	1275:23	1408:6	1370:12	1312:24
1440:		1276:25	ice 1386:23	1371:7	1337:12
1440:		1278:17,24	100.20	1413:20	1368:5
1442:		1279:24	ICF	1420:24	1447:12
1444:		1280:3,12,	1349:11,20	1509:11	1449:23
		14 1281:5	1350:17	IFF09	1453:20
1449:	,	11 1201.0		11103	

MANITOD.	A HIDRO GRA	12 17 2012	rage 1347 O.	
1481:4	0,12,18	1320:22	13	1381:10
1500:7	1492:13	1325:10,14	imbedded	
1503:11	1493:2,10	1328:19,23		implementati
1507:16,21	1494:1,11,	1332:10	1420:6	on 1376:18
,23 1509:5	17	1339:8	immediate	1481:9
	1495:3,12,	1343:25	1356:11	implemented
<b>IFF12</b> 1246:5	15,25	1347:3,19	immemorial	1396:21
1282:5,18	1499:14,17	1352:10		1405:18
1283:1	1500:11	1353:23,24	1476:13	1476:17
1286:22	1506:18	1358:5	imminent	
1303:15	1511:7	1363:11	1279:24	<b>impli</b> 1476:6
1304:14		1366:1	<b>imp</b> 1381:10	implications
1305:6,12	ignoring	1368:17	<b>1mb</b> 1301:10	1289:14
1306:13	1413:14	1369:8	impact	1472:22
1310:11	<b>IHS</b> 1441:2	1370:20	1246:10	
1411:12			1291:3	implicit
1417:5	I'll 1272:1	1372:2,7	1307:17,21	1476:4
1419:8	1294:2	1378:8	1308:2	implied
1432:13	1295:23	1392:17	1309:3	1505:11
1434:23	1299:16	1393:3,25	1354:7	
1450:10	1313:8	1396:16	1355:17	implies
THEO 1201.00	1319:9	1400:6	1356:2	1507:17
IFF2 1301:22	1336:9	1404:14	1366:24	import/
<b>IFFs</b> 1281:25	1349:6	1406:18	1378:25	export
1287:16	1378:1	1411:23	1390:6	1310:13
1304:4	1384:9	1418:13	1391:5	
1371:7	1389:17	1419:18	1413:23	importance
TTT 1407 F	1392:18	1424:14	1434:11	1327:14
<b>IFI</b> 1487:5	1406:23	1433:4	1484:10	important
<b>IFR</b> 1473:21	1435:1	1434:1		1367:9
IFRS 1289:14	1456:14,16	1436:14	1486:4,13,	1382:20
	1468:13	1441:7	17 1487:6	1444:3
1376:18	1478:16	1443:15	1491:3	
1383:8	1485:11,20	1451:13,17	1500:5,10,	importantly
1396:21,23	1497:7	,24	14 1507:4	1398:18
1421:3	1505:6	1454:24	1511 <b>:</b> 1	1438:5
1422:1	1510:17	1460:21	impacted	imports
1430:25	1512:1	1462:13	1246:17	1320:22,24
1434:15		1463:1	1308:12	1320:22,24
1447:21,24	I'm 1261:4	1464:6	1310:8	
1450:11	1263:4	1466:1,2,1		imposed
1465:19,24	1264:2	0	impacts	1405:18
1472:7,21	1266:4	1470:1,15	1355:20	impression
1474:1,7,1	1267:23	1475:13	1413:19	1391:8
2,13	1271:10	1478:1	1450:11	1392:2
1475:4	1277:21	1480:1	1472:21	1398:14
1476:16	1288:18	1486:25	1499:16	1421:11
1477:2	1290:3	1489:6	impairment	
1478:21	1291:23	1494:2	1480:2	improper
1479:6	1300:1	1499:17		1466:10
1480:24	1311:12	1500:14	impairments	improve
1481:4,9	1314:23	1501:13,22	1479:25	1381:9
1484:10	1315:4,6	1506:23	<pre>impl 1500:6</pre>	1387:19
1486:8	1318:8	1508:3	implement	1499:20
1487:3,5,1	1319:15	1500:3	Tubrement	1777.40
		1009.0,12,		

1381:11	102 1111111021		12 17 2012	1490 1010 01	
1381:11	improvements	1463:19	1443:1,6	1319:13	1283 <b>:</b> 21
1391:9   including   1468:18   1357:10   1290:14   1390:16   1399:14   1470:6   1386:8   1390:21   1390:6   1373:2   1508:19   1401:2   1309:16   1373:2   1508:19   1401:2   1309:16   1449:3   1345:17   1400:18,24   1309:21   1409:2   increased   1457:14,15   1348:22   in-between   1432:4   1300:24   1460:2,3   1359:16   1477:7   1487:9   1404:20   increment   1404:17   1457:8   inclusion   1428:20   1295:7   1425:22   1475:8   incident   1309:3,11   1308:13   1366:15,123   included   1367:11   1367:13   1365:5   1338:7   1312:1,11, 1338:7   18 1355:2   1369:20   1312:1,13   1365:5   1339:10   1248:14   1431:1   1362:13   1266:20   1312:1,13   1365:5   1339:21   1246:5,18   1369:9,11   1367:13   1365:5   1355:5   1366:16   1267:24   increase   1406:25   1469:21   1499:10					
improving					1290:14,20
1383:13   1367:6   1508:19   1401:2   1308:22   1309:16   1309:16   1309:16   1508:19   1401:2   1309:16   1309:16   1309:16   1449:3   1345:17   1348:22   1417:8   1305:23   1469:21   149:2   1417:8   1305:23   1469:21   1395:16   1409:2   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1408:21   1395:16   1409:10   1408:21   1395:16   1409:10   140		_			
1393:13					
1390:6					
inappropriat	1390:6				
e   1326:12	inappropriat				
in-between   1432:4   1320:24   1468:21   1395:16   1277:7   1487:9   1404:20   increment   1404:17   1428:20   1295:7   1459:28   145					
1-3-between   143:2:4   13:0:4   13:0:4   13:0:4   13:0:4   13:0:5   14:0:4:20   12:0:5:7   14:0:5:23   14:0:5:0   14:0:5:0   14:0:5:5   14:0				-	
Time					
Inc   1501:23	1277:7	1487:9			
inception   1279:16   1439:5   incremental   1465:5   1475:8   incident   1309:3,11   1358:7   1312:1,11,   18 1355:2   1366:15,22   1333:20   1312:7   1246:5,18   1246:5,18   1246:7   1366:15,13   1365:5   1346:11   1365:23   1466:17   1401:25   1458:16   1459:9   1266:20   1267:24   increase   1401:25   1459:9   1253:28   1269:15   1268:1   1268:1   1268:1   1268:1   1282:17   1282:17   1282:17   1283:1   1288:5,13   1291:17   1293:16   1291:17   1293:16   1309:13   1291:17   1293:16   1309:13   1311:15   1293:23   1417:12   1410:14   1319:16   1444:12   1320:2   1410:24   1355:3   1314:9   1368:21   1410:14   1319:16   1446:15   1446:13,14   1319:16   1446:13,14   1319:16   1446:13,14   1319:16   1446:13,14   1344:16   1246:23   1363:21   1425:7   1426:13   1369:23,25   1400:23   1400:24   1375:23   1400:24   1294:17   1360:23   1400:24   1375:23   1400:24   1294:17   1360:23   1400:24   1375:23   1400:25	Inc 1501:23	inclusion		1295:7	
1475:8   income		1279:16		incremental	
incident   1309;3,11   1312:1,11,   1309:20   1312:17   1312:1,11,   1309:20   1312:17   13135:5   1356:15,22   1333:20   1315:5   1366:15,12   1366:15,12   1366:15,12   1366:15,12   1366:15,12   1366:15,12   1366:15   1366:17   1248:14   1431:1   1385:21   1458:16   1459:9   1252:18   1266:20   1267:24   1438:14   1407:3,19   1406:15,16   1269:15   1269:15   1269:15   1269:15   1269:15   1269:16   1282:17   1287:20   31414:22   1493:10   1484:9   1282:17   1287:20   31414:22   1493:10   1484:9   1308:13   1294:6,8,1   1311:15   2 1303:2   1415:4,18,   1317:13,14   1388:22   1347:22   1312:3   1417:1,9   1317:13,14   1388:22   1466:13,14   1319:16   1418:12   1308:23   1417:19   1466:13,14   1360:23,24   1424:4,21   1375:17   1466:13   1306:23   1409:3   1309:23   1309:16   1294:17   1392:11   1428:3   1309:23   1309:19   1309:23   1309:19   1309:23   1309:21   1309:23   1309:23   1309:23   1309:23   1309:23   1309:23   1400:39   1309:28   1309:28   1309:28   1309:28   1309:28   1409:39   1309:28   1309:28   1409:39   1309:28   1409:39   1309:28   1409:39   1309:28   1409:39   1409:55   14	_			1262:25	
incident         1309:31, 131, 1358:7         increases         1309:20         1312:17, 11, 1255:19           include         1367:11         1367:13         1365:15, 22         1333:20         1315:51           1246:5,18         1369:9,11         1367:13         1365:5         1346:16           1248:14         1431:1         1382:13         incur         1375:21           1266:20         increa         1406:15,16         1459:9         indicatin           1269:15         increase         1412:24         1459:9         1252:25           1271:24         1287:20         3 1414:22         1493:10         1484:9           1283:1         1288:5,13         1288:5,13         1415:4,18         1478:20         1288:21           1308:13         1294:6,8,1         1416:8,11         1311:15         21303:2         1317:13,14         1363:21           1308:13         1294:6,8,1         1416:8,11         1317:13,14         1363:21           1444:12         1320:2         1417:1,9         1353:13           130:14         1444:12         1320:2         1419:20,24         1375:23         1403:9           1466:13,14         1363:21         1422:4         1375:17         1460:4	14/5:8		1454:15	1263:11,13	
include         1355:2         1309:20         1312:17         1255:19           include         1367:11         1367:13         1365:5         1335:2         1335:2         1335:5         1315:5           1246:5,18         1369:9,11         1367:13         1365:5         1346:16         1315:5         1346:16           1266:20         1266:20         1401:25         1459:9         1252:25         1459:9         1252:22           1268:1         1438:14         1407:3,19         incurred         1281:22         1281:22           1269:15         increase         1412:24         1493:10         1484:9         1281:22           1271:24         1287:20         3 1414:22         indecision         1484:9         1288:21           1283:1         1288:5,13         1294:6,8,1         1415:4,18         1478:20         1288:22           1308:13         1294:6,8,1         1416:8,11         1314:9         136:23           1311:15         2 1303:2         147:2,9         1375:23         1403:9           1444:12         1320:2         1419:20,24         1375:23         1403:9           1466:13,14         1344:16         1423:23         1400:5         1478:13           1466:13,	incident		increases	-	
include	1358:7		1309:20	1312:17	
1346:5, 18	include		1356:15,22	1333:20	
1248:14			1367:13		
1250:23			1382:13		
1266:20			1385:21		1375:21
1267:24		1486:17	1401:25		indicating
1268:1		increa	1406:15,16	1459:9	1252:25
1269:15		1438:14	1407:3,19	incurred	1281:22
1271:24     1252:16     1413:2,6,1     1493:10     1484:9       1282:17     1287:20     3 1414:22     indecision     1288:23       1291:17     1293:16     25     1416:8,11,     1478:20     1288:23       1308:13     1294:6,8,1     1416:8,11,     1314:9     1363:21       1347:22     1312:3     1417:1,9     1317:13,14     1388:23       1444:12     1320:2     1419:20,24     1375:23     1403:9       1464:15     1343:7     1420:19,22     1400:5     1417:15       1466:13,14     1360:23,24     1423:23     in-depth     1400:5       1279:14     1363:21     1425:7     indexed     indication       1294:17     1392:11     1426:8     1373:23     1381:8       1294:17     1392:11     1428:3     indicate     indication       1300:23     1392:11     1428:3     indicate     individual       1313:14,21     1403:9,17     1438:15,17     1369:15     1353:3,20       1313:14,21     1404:17     1438:15,17     1369:15     1358:9       1369:23,25     1405:5     1499:9,10     1468:16     1269:25       141:11     1418:1,8     11,12     1269:25     1465:1,       1507:23     1422:7,19		increase		1450:15	1352:13
1282:17			1413:2,6,1	1493:10	1484:9
1283:1     1288:5,13     1415:4,18,     1478:20     1288:23       1291:17     1293:16     1416:8,11,     1308:13     1294:6,8,1     1416:8,11,     1314:9     1363:21       1311:15     2 1303:2     1417:1,9     1317:13,14     1388:22       1347:22     1312:3     1417:1,9     1375:23     1403:9       1444:12     1320:2     1419:20,24     1375:23     1403:9       1464:15     1343:7     1420:19,22     1400:5     1436:11       1466:13,14     1344:16     1423:23     in-depth     1440:22       1246:23     1367:11     1426:8     1375:17     1460:4       1294:17     1382:21     1425:7     indexed     indicate       1300:23     1392:11     1428:3     1373:23     1381:8       1313:14,21     1403:9,17     1438:15,17     1369:15     1478:13       1333:19     1402:4     1438:15,17     1369:15     1358:9       1411:11     1418:1,8     149:9,10,     11,12     1253:8     1465:1,       1502:16     1422:7,19     1423:4     1508:14     1269:25     1271:5     1369:15       1507:23     1423:4     1509:1,21     1277:19     inefficie       1508:14     1274:8     1277:19     inevitable<			3 1414:22	indecision	indiantian
1291:17     1293:16     1294:6,8,1     1316:8,11, 19,23     1314:9     1363:21       1311:15     2 1303:2     1417:1,9     1317:13,14     1363:21       1347:22     1312:3     1417:1,9     1353:13     1396:19       1444:12     1320:2     1419:20,24     1375:23     1403:9       1466:13,14     1343:7     1420:19,22     1400:5     1417:15       1466:13,14     1344:16     1423:23     in-depth     1440:22       1246:23     1363:21     1425:7     1466:8     1375:17     1460:22       1279:14     1367:11     1426:8     1373:23     1381:8       1294:17     1382:21     1427:8     1373:23     1381:8       1300:23     1392:11     1428:3     indicate     individual       1313:14,21     1403:9,17     1438:15,17     1353:3,20     1478:13       133:19     1402:4     1437:10,12     1353:33,20     1358:9       1369:23,25     1405:5     1499:9,10,     1369:15     1392:8     1358:9       1419:8     1418:1,8     1507:18,21     1253:8     1495:10       1507:23     1422:7,19     1423:4     1508:14     1271:5     1333:12       1coludes     1256:8     1424:25     1509:1,21     1277:19 <t< th=""><th></th><th></th><th>1415:4,18,</th><th></th><th></th></t<>			1415:4,18,		
1308:13     1294:6,8,1     1416:8,11,     1314:9     1363:21       1311:15     2 1303:2     1417:1,9     1317:13,14     1396:19       1410:14     1319:16     1418:12     1353:13     1403:9       1444:12     1320:2     1419:20,24     1375:23     1407:17:15       1466:13,14     1343:7     1420:19,22     1400:5     1417:15       1466:13,14     1344:16     1423:23     in-depth     1440:22       1246:23     1363:21     1425:7     1466:4       1279:14     1367:11     1426:8     1373:23     1381:8       1294:17     1382:21     1428:3     1373:23     1381:8       1300:23     1392:11     1428:3     1328:5     1478:13       1313:14,21     1403:9,17     1438:15,17     1369:15     1478:13       1333:19     1405:5     1468:16     1392:8     1358:9       1369:23,25     1407:17,19     1468:16     1392:8     1358:9       1411:11     1418:1,8     149:9,10,     146:24     1253:8     1495:10       1507:23     1423:4     1508:14     1269:25     133:12       1508:14     1509:1,21     1271:5     133:12       1508:16     1423:16     1509:1,21     1277:19     10evitable <th></th> <th></th> <th>25</th> <th></th> <th></th>			25		
1311:15     2 1303:2     19,23     1317:13,14     1388:22       1347:22     1312:3     1417:1,9     1353:13     1396:19       1410:14     1319:16     1418:12     1375:23     1403:9       1444:12     1320:2     1419:20,24     1375:23     1400:5       1466:13,14     1344:16     1420:19,22     1400:5     1417:15       1466:13,14     1344:16     1423:23     in-depth     1440:22       1246:23     1363:21     1425:7     1460:4       1246:23     1367:11     1426:8     1373:23     1381:8       1294:17     1392:11     1428:3     1373:23     1381:8       1300:23     1402:4     1437:10,12     1328:5     1478:13       1313:14,21     1403:9,17     1438:15,17     1369:15     1478:13       1333:19     1404:17     1438:15,17     1369:15     1358:9       1369:23,25     1407:17,19     1468:16     1392:8     1465:1,       1411:11     1418:1,8     1421:8,12     1507:18,21     1253:8     1495:10       1502:16     1422:7,19     1423:4     1508:14     1277:5     1a33:12       1ncludes     1428:4     1509:1,21     1277:19     inevitable			1416:8,11,	_	
1347:22     1312:3     1417:1,9     1317:13,14     1396:19       1410:14     1319:16     1418:12     1353:13     1396:19       1444:12     1320:2     1419:20,24     1375:23     1403:9       1466:13,14     1344:16     1420:19,22     1400:5     1436:11       1466:13,14     1360:23,24     1423:23     in-depth     1440:22       1246:23     1363:21     1426:8     1375:17     1460:4       1279:14     1382:21     1426:8     1373:23     1381:8       1294:17     1382:21     1427:8     1373:23     1381:8       1300:23     1392:11     1428:3     indicate     individual       1313:14,21     1403:9,17     1438:15,17     1369:15     1478:13       1333:19     1404:17     1438:15,17     1369:15     1358:9       1369:23,25     1405:5     1499:9,10,     1369:15     1358:9       1411:11     1418:1,8     1421:8,12     1507:18,21     1253:8     1495:10       1507:23     1422:7,19     1508:14     1271:5     1333:12       includes     1423:4     1509:1,21     1271:5     1333:12       1256:8     1423:16     1509:1,21     1508:14     1277:19     inevitable			19 <b>,</b> 23		
1410:14     1319:16     1418:12     1353:13     1403:9       1444:12     1320:2     1419:20,24     1375:23     1400:5       1466:13,14     1344:16     1423:23     1400:5     1436:11       1466:23     1363:21     1425:7     1460:4       1246:23     1367:11     1426:8     1373:23     1381:8       1279:14     1382:21     1427:8     1373:23     1381:8       1294:17     1382:21     1428:3     1373:23     1381:8       1300:23     1392:11     1428:3     indicate     individual       1313:14,21     1403:9,17     1438:15,17     1353:3,20     1478:13       1333:19     1404:17     1438:15,17     1369:15     industry       1369:23,25     1405:5     1499:9,10,     1392:8     1358:9       1411:11     1418:1,8     1421:8,12     1507:18,21     1253:8     1495:10       1507:23     1423:4     1508:14     1271:5     inefficie       1507:23     1423:4     1509:1,21     1271:5     inevitable       1256:8     1429:16     1509:1,21     inevitable			1417:1,9	-	
1444:12     1320:2     1419:20,24     1375:23     1417:15       1464:15     1343:7     1420:19,22     1400:5     1417:15       1466:13,14     1344:16     1423:23     in-depth     1440:22       included     1360:23,24     1424:4,21     1375:17     1460:4       1246:23     1363:21     1425:7     146exed     indicate       1279:14     1367:11     1426:8     1373:23     1381:8       1294:17     1392:11     1428:3     indicate     individual       1310:4     1402:4     1437:10,12     1328:5     1478:13       1313:14,21     1403:9,17     1438:15,17     1369:15     industry       1333:19     1405:5     1499:9,10     1369:15     1358:9       1369:23,25     1407:17,19     1499:9,10     145:1     1480:1       141:11     1418:1,8     1421:8,12     1507:18,21     1253:8     1495:10       1502:16     1422:7,19     1423:4     1508:14     1274:8     1333:12       includes     1423:4     1509:1,21     1277:19     inevitable			1418:12		
1464:15     1343:7     1420:19,22     1400:5     1436:11       1466:13,14     1344:16     1423:23     in-depth     1440:22       included     1360:23,24     1424:4,21     1375:17     1460:4       1246:23     1367:11     1426:8     1373:23     indicate       1294:17     1382:21     1428:3     indicate     individua       1300:23     1392:11     1428:3     indicate     individua       1313:14,21     1403:9,17     1438:15,17     1369:15     industry       1333:19     1404:17     1438:15,17     1369:15     industry       1369:23,25     1405:5     1499:9,10,     1465:1,       1411:11     1418:1,8     1507:18,21     1253:8     1495:10       1502:16     1422:7,19     1508:14     1271:5     inefficie       1507:23     1423:4     1509:1,21     1277:19     inevitable       1chlodes     1428:16     1509:1,21     1277:19     inevitable			1419:20,24		
1466:13,14       1344:16       1423:23       in-depth       1440:22         included       1360:23,24       1424:4,21       1375:17       1460:4         1246:23       1367:11       1426:8       1373:23       indicate         1294:17       1382:21       1428:3       1373:23       1381:8         1300:23       1392:11       1428:3       indicate       individual         1310:4       1402:4       1437:10,12       1353:3,20       1478:13         1333:19       1404:17       1438:15,17       1369:15       1358:9         1369:23,25       1407:17,19       1468:16       1392:8       1465:1,         1411:11       1418:1,8       1421:8,12       1253:8       1495:10         1507:23       1422:7,19       1508:14       1271:5       1333:12         includes       1424:25       1509:1,21       1277:19       inevitable			1420:19,22	1400:5	
included         1360:23,24         1424:4,21         1375:17         1460:24           1246:23         1367:11         1425:7         indexed         indication           1279:14         1382:21         1427:8         1373:23         1381:8           1294:17         1382:21         1428:3         indicate         individual           1300:23         1392:11         1428:3         indicate         individual           1313:14,21         1402:4         1437:10,12         1353:3,20         1478:13           1333:19         1404:17         1438:15,17         1369:15         1358:9           1369:23,25         1407:17,19         1468:16         1392:8         1465:1,           1411:11         1418:1,8         1421:8,12         1253:8         1495:10           1502:16         1507:23         1422:7,19         1508:14         1271:5         1333:12           includes         1424:25         1509:1,21         1277:19         inevitable			1423:23	in-depth	
included       1363:21       1425:7       indexed       indication         1246:23       1367:11       1426:8       1373:23       1381:8         1294:17       1382:21       1427:8       indicate       1381:8         1300:23       1392:11       1428:3       indicate       individual         1310:4       1402:4       1437:10,12       1328:5       1478:13         1313:14,21       1403:9,17       1438:15,17       1369:15       industry         1333:19       1404:17       1438:15,17       1369:15       industry         1369:23,25       1405:5       1499:9,10,       indicated       1358:9         1411:11       1418:1,8       11,12       1253:8       1495:10         1419:8       1421:8,12       1253:8       1495:10         1507:23       1422:7,19       1508:14       1274:8       1333:12         includes       1424:25       1509:1,21       1277:19       inevitable			1424:4,21		
1246:23 1279:14 1294:17 1300:23 1310:4 1402:4 1333:19 1369:23,25 1411:11 1419:8 1502:16 1507:23  includes 1256:8 1367:11 1382:21 1382:21 1427:8 1427:8 1427:8 1427:8 1427:10,12 1428:3 130icate 1437:10,12 1438:15,17 1438:15,17 1438:15,17 1468:16 1373:23 1381:8 1428:3 1428:3 1428:3 1428:3 1438:15,17 1369:15 1358:9 1465:1, 1418:1,8 1421:8,12 1418:1,8 1421:8,12 1507:18,21 1269:25 1422:7,19 1423:4 1509:1,21 1277:19 inevitable  indicated 1373:23 1381:8 1428:3 1381:8 1428:3 1448:3 1448:3 1448:1 1448:3 1448:15,17 1369:15 1358:9 1465:1, 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16 1277:19 1468:16			1425:7		
1382:21 1382:21 1394:17 1300:23 1310:4 1333:19 1369:23,25 1411:11 1419:8 1502:16 1507:23  includes 1256:8  1382:21 1427:8 1428:3 1428:3 1428:3 1428:5 1328:5 1437:10,12 1328:5 1353:3,20 1353:3,20 1438:15,17 1438:15,17 1468:16 1392:8 1499:9,10, 11,12 1418:1,8 1421:8,12 1507:18,21 1256:8  1424:25 1428:16  1381:8  1428:3 1428:3 1428:15 1328:5 1338:5 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:15 1438:18 1428:3 1438:15 1438:18 1438:15 1338:8  1448:3 1348:18 1448:18 1448:18 1448			1426:8		indications
1394:17 1300:23 1310:4 1313:14,21 1392:11 1402:4 1313:14,21 1333:19 1404:17 1405:5 1407:17,19 1411:11 1419:8 1502:16 1507:23 includes 1256:8 1392:11 1402:4 1403:9,17 1403:9,17 1404:17 1408:15 1499:9,10, 11,12 1507:18,21 1508:14 1509:1,21 1508:14 1509:1,21 1509:1,21  indicate 1328:5 1437:10,12 1328:5 1438:13 1478:13 1			1427:8	13/3:23	1381:8
1300:23 1310:4 1313:14,21 1333:19 1369:23,25 1407:17,19 1411:11 1419:8 1502:16 1507:23 includes 1422:7,19 1423:4 1437:10,12 1328:5 1353:3,20 1369:15 1369:15 1392:8 1499:9,10, 11,12 1499:9,10, 11,12 1253:8 1407:17,19 1418:1,8 1507:18,21 1508:14 1509:1,21 1277:19 inevitabl					individually
1310:4 1313:14,21 1333:19 1404:17 1405:5 1411:11 1419:8 1502:16 1507:23  includes 1256:8  1403:9,17 1403:9,17 1404:17 1408:15,17 1408:15 1499:9,10, 11,12 1253:8 1421:8,12 1508:14 1509:1,21 1256:8  1403:9,17 1403:9,17 1403:9,17 1403:9,17 1403:9,17 1403:9,17 1403:15,17 1353:3,20 1369:15 1358:9 1465:1, 11,12 1253:8 1269:25 1271:5 1333:12 inevitable			•	1328:5	1478:13
1313:14,21 1333:19 1369:23,25 1411:11 1419:8 1502:16 1507:23 includes 1421:8,12 1423:4 1421:8,12 1423:4 1421:8,12 1423:4 1421:8,12 1423:4 1423:4 1424:25 1438:15,17 1468:16 1499:9,10, 11,12 1499:9,10, 11,12 1253:8 1269:25 1271:5 1271:5 1369:15 1358:9 1465:1, 1480: 1253:8 1269:25 1271:5 1333:12 includes 1424:25 1428:16				1353:3,20	
1333:19 1369:23,25 1411:11 1419:8 1502:16 1507:23 includes 1423:4 1421:5 1438:16 1392:8 1468:16 1499:9,10, 11,12 1253:8 1259:25 1425:10 1508:14 1509:1,21 1271:5 1388:9 1465:1, 1468:16 1392:8 1465:1, 1469:9,10, 11,12 1253:8 1269:25 1271:5 1333:12 includes 1424:25 1423:4 1509:1,21 1271:5 1277:19 inevitable	· ·		1438:15,17	1369:15	<del>-</del>
1369:23,25 1411:11 1419:8 1502:16 1507:23 includes 1421:8,12 1422:7,19 1423:4 1509:1,21 1407:17,19 1418:1,8 1507:18,21 1253:8 1269:25 1271:5 1271:5 1274:8 1277:19 inevitabl				1392:8	
1411:11 1419:8 1502:16 1507:23 1422:7,19 1423:4 11,12 1508:14 1508:14 1509:1,21 1253:8 1253:8 1269:25 1271:5 1271:5 1277:19 1423:4 1509:1,21 1277:19 inevitable	· ·		1499:9,10,	indicated	1465:1,8,1
1419:8 1502:16 1507:23 includes 1421:8,12 1422:7,19 1423:4 1508:14 1509:1,21 1269:25 1271:5 1271:5 1277:19 inevitabl					1 1480:20
1502:16 1507:23 includes 1422:7,19 1423:4 1508:14 1509:1,21 1277:19 inevitable			1507:18,21		1495:10
includes 1424:25 1508:14 1274:8 1333:12 1256:8 1424:25 1276:8					inefficient
includes 1424:25 1509:1,21 1277:19 inevitabl	150/:23		1508:14		1333:12
1256.8 1420.16 Interitable	1	· ·	1 5 0 0 1 01	14:0	
==	includes	1424:25	1509:1,21	1277•10	inaritable
1445:6 1420:16 <b>increasing</b> 1281:9 1439:16	1256:8	1424:25 1428:16	increasing	1277:19 1281:9	inevitably

			1490 1019 01	
inflation	19,25	1249:17,21	1436:3	interim
1356:22	1384:3,14,	inserted	instruments	1288:22
1385:11,22	20,23	1372:20	1432:1	1293:16
1412:25	1404:4,5			1294:10,13
1413:4,7,1	1405:1	in-service	insuff	1301:5
9,23	1411:9	1448:13	1323:17	1311:25
1414:2,5,1	1433:11	1452:13	insufficient	1312:2
1,18,22,24	1436:10,20	1458:13,24	1323:18	1419:1
1415:25	<b>,</b> 25 1441:8	1459:4		1482:9,14,
1416:12,20	1442:1,5	1468:17	insurance	17,19
1417:2,10,	1447:11,12	Insight	1311:8	1483:18,20
21 1419:20	1454:9	1441:3	intact	1485:1
1424:23	1460:14		1307:3	interject
1425:8,11	1461:18	inspection	intornol	1377:23
inflationary	1470:8	1361:10	integral	
1414:13	1471:6	instability	1390:21	interna
	1481:12	1354:18	integration	1378:6
inflows	1499:24	installation	1502:7,11	internal
1306:2	1508:16		integrity	1290:17
influence	infrastructu	<b>s</b> 1393:15	1499:20	1377:20
1354:3	re	installed	1499:20	1381:22
1380:18	1357:9,16	1332:5	intended	1382:6,14
1448:21	1420:1	1380:15	1258:8	1390:11
	1438:2	instance	1325:21	1399:7
infor	1430:2		1326:10	1400:3
1369:25	infrequently	1380:9	1402:3	1422:18
information	1340:3	1384:12	intention	1445:4
1246:5	initial	1392:17 1393:4,9	1445:13	
1247:22	1306:8,10	1393:4,9		internally
1249:14,18	1311:6	1394:20,23	intents	1274:12
1251:7	1476:18	1409:20	1427:4	1381:22
1257:16	1508:6	1410:9	interchangea	1393:10
1271:20			ble	1429:7,9
1272:6,14	initiating	1423:10	1412:16	internationa
1274:3,6,1	1399:10	1428:20 1429:24		<b>1</b> 1351:15
1 1275:24	initiative		interest	1366:11
1279:5	1247:15	1430:19 1489:22	1332:4	1473:1
1280:24	1389:2,10	1489:22	1355:14	1474:15
1282:18		instead	1374:13	1477:17
1283:2	initiatives	1248:15	1413:16,25	1478:20
1285:14	1385:19	1272:4	1425:2,9	1482:7,16
1304:25	1387:24	1331:7	1428:3,20	1483:9,16
1317:24	1388:22	1340:10	1429:22	1484:1
1329:1	injected	1382:1	1430:14	1485:15
1351:7	1363:1	1439:8	1432:9,12	1490:11
1367:5	innovation	1449:12	1436:6	1496:7
1369:19		1511 <b>:</b> 5	1465:8	1506:8,12
1372:3	1394:3	instigated	interested	
1373:12	innovative	1395:8	1271:3	internet
1376:5	1385:15		1432:12	1388:11
1377:25	input	institute	1478:8	interval
1378:6	1287:10	1378:7		1304:7
1381:3,16,		institutions	interface	
	insert		1322:17	intervening
L				i

PUB = MANITUBA	A HIDRO GRA	12-17-2012	Page 1550 OI	1300
1407:15	1419:2	1371:9	1294:17	1391:10,20
	1423:15	1410:14	1295:3	1392:9
Intervenors	1427:17	1413:20	1296:14	1397:11
1248:11	1496:5	1443:14	1297:13	1399:6
intrans		1445:22	1298:10	1402:18
1263:2	issue	1448:4,6	1299:19,21	1405:13
	1319:10	·		
invested	1357:22	1475:25	1303:16,19	1406:3
1429:10	1371:18	1502:20	1309:21	1410:9,13
investigate	1383:9	items	1319:3,4,2	1412:10,12
1387:22	1392:9	1294:18	3 1320:7	1414:1,17
	1434:11	1301:20	1321:23,24	1417:15
investment	1438:2	1302:4,7	, 25	1418:18
1397:14	1457:13	1318:11	1323:19	1419:3
1433:16	1477:1	1358:20	1325:20,21	1420:8,25
investments	1478:5,7	1360:6	1326:9,13,	1421:7,9,1
1329:23	1480:6	1369:11	16 1327:14	5 1422:2,3
1329:23	1482:3	1413:21	1329:5	1425:4
	1483:10,12	1443:5	1330:7,22,	1433:10,25
investors	1484:25	1444:5,24,	23 1331:22	1434:1,4
1427:7	1489:10	25 1445:6	1332:17	1436:15
invited	1493:7	1446:4	1333:6	1440:19
1271:14	1494:14	1500:2	1334:5	1444:3,21
12/1:14	1495:6,17	1501:9	1338:19	1445:3
invoked	1470.0,17	1501:3	1339:17,18	1449:6
1474:25	issued		1340:13	1450:17,18
1475:5	1372:1	it'll	1341:6,11,	1453:8,16,
involved	1375:17	1343:20	15,17,19	17 1454:20
1365:18	1400:16	1474:3,8,1	1343:7,16	1455:13
1389:24	1419:2	1,12	1344:3	1456:22
1410:22	1433:8	it's 1249:1	1345:6	1459:3,5
1462:10	1478:9	1252:7,14,	1349:16	1461:8,12
1402.10	1482:9,15	15 1255:7	1350:7	1462:8
involvement	issues	1257:1	1352:6,7,1	1465:3
1322:4	1306:23	1258:4,13,	4	1470:1
involves	1316:12	14,17	1360:15,24	1473:8
1392:12	1376:24	1259:5,22	1361:1,9,1	1474:18,20
	1377:14	1260:12	2	1475:10,14
IR 1435:24	1381:4	1260:12	1362:1,10	1477:7,12,
1461:12	1398:24	1261:14,16	1364:9,10,	24 1478:6
1470:24	1401:10	1263:24	13,14	1481:19
1472:2,14	1401:10	,16,17	1365:2,3,2	1484:9,12,
irrespective	1405:10		0	16 1485:25
1437:21		1266:24	1367:1,4,8	1486:1,4
	1448:22,24	1268:10,11	,9,10	1491:9,18
Island	1484:15	1269:3	1368:2	1492:1,2
1362:18	1507:9	1272:17	1369:22	1493:9,19
isn't	<b>it'd</b> 1277:25	1275:3,8	1372:19	1495:5,7
1254:22	1476:22	1276:15,18	1373:3,6	1497:18
1257:20	ite 1500:2	1278:10	1378:9	1499:2
1277:18	10e 1000:2	1281:8,11,	1382:19	1500:25
1362:23	<pre>item 1300:13</pre>	13,22,23	1383:9,12,	1501:8,18
1373:8	1250.22	1284:1,6		1507:6,7
	1358:23	400	/¼   ₹×¼•//•	
1380.1/	1361:24	1285:19	24 1384:22 1389:16	
1389:14 1415:18		1285:19 1292:2,18	1389:16 1390:5	1508:1

PUB - MANITOBA	A DIDKO GKA	12-17-2012	Page 1551 O.	1 1 1 0 0
1509:1 <b>,</b> 25	1497:18		1432:10,17	lapse
·			,20,22	1303:23
I've 1276:24	<b>July</b> 1328:6	labelling	1433:12,15	
1389:14,15	jump	_	,19	large
1418:13	1292:14,17	1289:10	1434:2,13,	1248:25
1419:5	1373:20	labour	19	1257:20
1440:13		1333:23		1274:14
1464:18,19	Jumping	1361:20,22	1435:2,14,	1422:19
<b>,</b> 20	1418:17	1385:10	21	1423:2
1475:15	June 1291:19	1454:8,15	1436:9,16	1439:2
	1297:18	1456:2,6	1438:18	1465:4
		1460:16	1439:17	1471:17
J	jurisdiction	1461:19	1441:5,10,	1480:11
January	<b>s</b> 1470:7		15 1448:8	1494:9
1407:4,8,1	1504:24	lack 1465:9	1450:25	1495:7
5,16,18,19	justified	Lafond	1451:13,17	1499:10
<b>,</b> 25 1408:1	-	1242:15	,21	
1476:17	1326:16	1242.13	1452:2,24	largely
<b>Japan</b> 1358:7	justify	1268:3,14	1453:11,14	1437:13
_	1332:19,24	1283:9,15,	,24	1468:4
Jenpeg		20 1310:22	1455:7,22	1506:2
1246:11			1457:1	larger
1306:24	K	1311:2,3,9	1459:14	1498:14
1307:10,11	Keeyask	1328:1,3,1	1461:17	
,17,22	1287:21	1 1356:13	1462:11,19	largest
1308:3,20	1288:1	1357:9,15,	1463:5	1370:11
1309:2,3,7	1409:3	19,23	1464:8,17	1371:9
<b>,</b> 13 <b>,</b> 25	1424:1	1366:22	1465:12,17	1407:24
1310:20	<b>key</b> 1468:17	1370:25	,23	1426:13
		1377:23	1466:1,9,2	1500:21,25
<b>job</b> 1459:6,8	kilowatt	1380:5,19	2,23	Larry
1485:7	1251:9,16,	1384:1	1486:9,11	1242:16
join 1319:8	23 1253:12	1385:23	1487:1,2,1	
joint-use	1254:22,25	1387:6	6 1488:5	<b>last</b> 1253:10
1361:23	1268:15,22	1389:17	1489:6,21	1255:18
1301:23	1269:7	1392:6	1490:3,16	1259:2
Joseph	1292:9	1394:16	1491:4	1265:19
1364:5	1298:11,17	1395:16	1496:13	1269:10,24
<b>ju</b> 1468:13	1308:23	1408:17	1497:22	1279:5
1400.13	1337:25	1409:7,10,	1498:15,21	1281:9,25
judge	1344:6,14	20	1502:4,8	1285:2
1258:18	1346:21	1410:8,18,		1286:21
1262:9	kinds	25	Lafond's	1287:17
judgement	1377:15	1411:4,8,1	1440:14	1292:4
1275:2		5 1423:9	<b>lag</b> 1273:4	1296:5
14/0.4	1386:5	1424:13	_	1306:3
judgements	1437:12	1425:16,20	<b>Lake</b> 1364:5	1311:22
1497:8	knew 1278:13	1426:5,6,1	<b>land</b> 1392:23	1349:11
judgment	1395:3	4		1351:17
1272:24	known 1301:4	1427:6,25	landed	1356:19
1272:24		1428:18	1354:23	1358:6,18
	1474:8	1429:12,20	lands	1360:4
1410:22	1491:9	1430:5,12	1353:24	1374:25
judiciously	KPMG	1431:6,10,	1501:5,8,1	1374:25
1496:17	1405:3,6	17,24	1	1391:18
		ļ ,	τ.	1091.10

TOD MANITOL	DA HIDRO GRA	12 17 2012	rage 1332 0.	1 1000
1395:16	1416:18	1316:14	1454:5	1318:10
1400:12	leads	lengthy	levity	1323:13
1408:6	1295:18	1468:14	1511:24	1337:13 <b>,</b> 18
1423:19	1293:10	1400:14	1311:24	1358:20,22
1424:20,24	league	<b>less</b> 1252:7	Liabilities	1360:6,14,
1425:3,7	1394:14	1271:24	1432:3	15 <b>,</b> 25
1426:12	lean	1298:23	liability	1361:23
1429:24	1389:18,19	1338:21	1258:19	1363:21
1431:25		1340:15	1495:6	1366:6,13
1440:12	least	1392:12		1367:2
1442:6,11,	1253:15	1395:7	liberty	1369:9,11
19 1444:19	1272:25	1464:23	1353:2	1380:6
1446:8	1301:6	1465:6	lies 1285:1	1382:19,2
1453:3	1315:21	<b>let's</b> 1251:6		,23,24
1456:22	1316:10	1298:15	life 1390:7	1383 <b>:</b> 1
1459:24	1352:14	1290:13	1508:20	1385:24
1460:11,14	1382:10	1319:12	light	1392:7
1467:8	1389:1,15		1327:18	1408:19
1477:24	1392:22	1327:21	1365:14,23	1410:14
1480:12	1396:24	1337:20	1397:8	1413:20
1492:9	1404:17	1350:13	1400:10,15	1419:17
1503:14	1417:10	1354:24	1446:18	1420:13,22
1504:11	1418:22	1392:20	1511:10	1424:21
	1440:19	1421:11		1442:18
lasts	1477:3	1442:18	lights	1443:14
1461:25	leave	1446:21	1386:13,23	1445:6,21
<b>late</b> 1304:15	1265:12	1456:24	likelihood	1446:10
1352:2	1391:8	1462:22	1265:2	1448:4,6,1
1359:16,19	1391:8	1486:7		4 1456:22
,24	1392:2	1489:1	likely	1500:2
	1421:11	1496:4,20,	1278:11	
lately	1485:11	21,24	1347:15	lines
1321:13	1497:7	1510:1	likewise	1281:10,19
later	leaving	1511 <b>:</b> 22	1255:23	1360:18
1334:13	1256:25	letter	1351:12	1386:22
1352:6,8,9	1257:4	1382:2	1397:1	1409:17
,14	1458:9	letters	1406:7	1453:17
1402:19	<b>led</b> 1377:17		1491:21	1467:5
1418:20	1383:14	1484:25		1483:25
1426:16	1478:15	level 1377:3	limitations	link 1247:13
1435:15		1383:23	1376:7	1388:14
1479:15	left-hand	1391:22	Limited	1389:1,8
1-44	1442:13	1398:7	1269:16	
latest	left-side	1400:19	line 1255:18	linkage
1351:6,11	1445:22	1401:14		1413:25
1371:7		1403:12,19	1277:9	1414:7
latter	<b>leg</b> 1433:22	1413:14	1281:20,21	list
1347:10	legacy	1428:7	1282:3,5,8	1244:3,4
Tarriemo	1363:6	1461:10	1284:7,8	1245:1
Lavigne		1507:8,14	1286:25	1246:1
1512:15	legal	·	1295:2,4	1247:1,23
<b>lead</b> 1476:9	1433:22	levels	1300:13	1277:1723
leading	legislation	1274:6	1301:20	1294:18
reauring	1279:24	1439:15	1302:4,6	1391:17
			1303:2	1001.1

1498:1	PUB - MANITUBA	III DICO GIGI	12-17-2012	Page 1553 OI	1900
1440:15	1437.2	located	1332•4	1365.24	5.24
1498:1					1410:5,6,2
1504:3				1303.10	
1509:25		1441:16			
listed		locations		M	•
1361:8	1509:25	1378:15		machine	
1361:8	listed	lock 125/.16	1	1333:1	
1401:1	1361:8				
1401:1	1370:11	logic 1489:8		_	
1500:17   100g   1252:11   1494:20   1445:20   1428:11   1426:9   1428:11   1428:11   1428:11   1428:11   1428:11   1428:11   1428:11   1430:2   1430:2   1431:10   1348:5   1427:23   1409:25   1439:1   1411:17,19   1413:9   1428:11   1438:24   1438:13   1277:6,20   1413:14   1468:11   1468:2   1462:2   1509:21   1333:9,12   1458:13   1428:10   1428:11	1401:1	1490:4			
Listen	1500:17	long 1252·11		· ·	
1483:18	liston	_		1445:20	
listing				main 1401:4	
1411:10				mainlu	
1411:10	listing		1508:15		
lists	1411:10		<b>lots</b> 1339:24		
1411:17,19	lists		1427:23		
1435:24         1432:3         1274:25         1390:21         24           lit 1393:13         1438:13         1277:6,20         1390:21         24           literally         1508:2         1278:19         1414:16         1466:1         1476:3         1476:3         1339:2,3         1496:24         1495:2         1495				1490:25	
lit 1393:13         1438:13   1277:6,20         1390:21   1413:14   1468:1         1468:1   1475:15,16   1278:19   1414:16   1468:1         1468:1   1468:1   1468:1         1468:1   1468:1   1468:1         1468:1   1468:1   1468:1         1468:1   1468:1   1468:1         1468:1   1468:1   1468:1         1468:1   1468:1   1468:1   1468:1         1468:1   1468:1   1468:1   1468:1         1468:1   1468:				maintain	1458:6,20,
147   147				1390:21	
literally	lit 1393:13			1413:14	1464:21,22
1462:2   1509:21   1333:9,12   1426:22   1488:19   1489:9   1482:10   1493:7   1496:21   1499:	literally	•		1414:16	
little	_			1426:22	
1264:6		1309:21		1458:13	1489:9,22
1276:9		longer	I I	1482:10	
1495:16		1474:3	1	1494:24	
1423:24         long-range         1353:21         1508:17         1256:2           load         long-term         low-cost         1379:6         1413:1           1253:9,16         long-term         low-cost         1382:18         1429:6           1254:10         1267:12         1264:15         1382:18         1429:6           1316:9         1290:22         lower         maintaining         manage           1323:2,12         1291:4         1278:1         1272:3         1445:1           1325:22         1329:22         1282:10         maintenance         manageab           1339:3,23         1343:5         1297:23         1334:2         manageab           1348:6         1355:15         1298:4         1339:6         manageme           1438:6         1414:7,9         1342:6         1370:9         1301:1           1oading         1429:15,16         1395:18,23         1412:10         1302:3           1oadings         1440:5         1434:8,9         1378:2,9         1306:8           1oadings         1440:5         1439:15         1380:7         1306:8           1obby         lose         1323:20         100est         1386:18         1371:1		1483:19		1495:16	1498:1
long-range   1424:23		1496:23		1507:8	majority
1433:7		long-range		1508:17	1256:21
load     1253:9,16   1267:12   1264:15   1382:18   1429:6   1315:17,20   1275:23   1290:22   1323:2,12   1325:22   1326:2,5,1   0	1435:7			maintained	1266:8
1253:9,16   1267:12   1264:15   1382:18   1429:6   1483:9   1489:2   1315:17,20   1316:9   1292:16   1329:22   1326:2,5,1   0   1342:17   0   1343:5   1343:5   1343:5   1348:6   1414:7,9   1415:24   1438:6   1415:24   1436:6   1438:6   1415:24   1333:7,14   1435:6   1406:5   1333:9,12   10bby	load				1413:11,12
1254:10     1267:12     1264:15     1483:9     1489:2       1315:17,20     1316:9     1290:22     1291:4     1275:3     1445:1       1323:2,12     1292:16     1292:16     1282:10     1263:11     1499:1       1326:2,5,1     1342:17     1297:23     1334:2     1342:2       1339:3,23     1343:5     1298:4     1339:6     manageme       1444:7,9     1414:7,9     1360:12     1246:2       1438:6     1414:7,9     1342:6     1370:9     1301:1       10ading     1429:15,16     1395:18,23     1412:10     1302:3       1333:7,14     1435:6     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1439:15     1380:7     1306:8       10bby     10se 1323:20     10ses     1262:2     1392:24     1391:1       10cal     1263:12     1283:18     1393:5     1401:7	1253:9,16	=			1429:6
1315:17,20	1254:10		1264:15		1489:23
1316:9     1290:22     1264:6,25     1272:3     1445:1       1323:2,12     1292:16     1282:10     maintenance     1449:1       1326:2,5,1     1329:22     1288:10,25     1263:11     manageab       1339:3,23     1343:5     1297:23     1334:2     1422:3       1348:6     1414:7,9     1309:11     1360:12     1246:2       1438:6     1415:24     1395:18,23     1412:10     1302:3       10ading     1429:15,16     1395:18,23     1412:10     1302:3       10adings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1434:8,9     1378:2,9     1306:8       10bby     10se     1323:20     10sest     1386:18     1371:1       10cal     1263:12     1282:1     1262:2     1392:24     1391:1       10cal     1263:12     1283:18     1393:5     1401:7	1315:17,20		lower		manage
1323:2,12 1325:22 1326:2,5,1 0 1339:3,23 1348:6 1414:7,9 1438:6 1oading 1333:7,14 10adings 1333:9,12 1obby 1484:23 1obby 1484:23 1ocal 1292:16 1292:16 1282:10 1288:10,25 1334:2 1288:10,25 1334:2 1333:2 1339:6 1333:2 1339:6 1339:1 1340:1 1340:1 1349:1 1272:3 1499:1 1288:10 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1263:11 1282:10 1334:2 1339:6 1339:6 1339:6 1339:6 1339:6 1340:12 1340:	1316:9			_	_
1325:22 1326:2,5,1 0 1339:3,23 1348:6 1414:7,9 1438:6  loading 1333:7,14 loadings 1333:9,12  lobby 1484:23 local  1292:16 1329:22 1288:10,25 1334:2 1339:6 1339:6 1339:6 1339:6 1339:6 1339:1 1360:12 1370:9 1360:12 1370:9 1301:1 1302:3 1425:4,9 1306:8 1371:1 1368:4 1371:1 1368:4 1391:1 1484:23 100cal	1323:2,12			1272:3	
1326:2,5,1     1329:22     1288:10,25     1263:11     manageab       1339:3,23     1343:5     1297:23     1334:2     1422:3       1348:6     1414:7,9     1309:11     1360:12     1246:2       1438:6     1415:24     1395:18,23     1412:10     1302:3       1333:7,14     1435:6     1425:4,9     major     1305:1       1oadings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1439:15     1380:7     1368:4       1obby     1ose 1323:20     1owest     1385:19     1371:1       1ocal     1263:12     1283:18     1393:5     1401:7	1325:22			maintenance	
1342:17 1343:5 1348:6 1444:7,9 1415:24 1333:7,14 1440:5 1333:9,12  10se 1323:20 10se 1 10se 1263:12  1297:23 1334:2 1298:4 1309:11 1360:12 1370:9 1301:1 1302:3 1313:1 1305:18,23 1412:10 1305:1 1305:1 1306:8 1434:8,9 1435:6 1434:8,9 1439:15 1380:7 1386:4 1393:1 10se 1323:20 10se 1323:20 10se 1263:12 1283:18 1297:23 1334:2 1334:2 1339:6 manageme 1346:2 1370:9 1301:1 1302:3 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8 1313:1 1306:8	1326:2,5,1		1288:10,25	1263:11	=
1339:3,23     1343:5     1298:4     1339:6     manageme       1348:6     1414:7,9     1309:11     1360:12     1246:2       1438:6     1415:24     1342:6     1370:9     1301:1       1oading     1429:15,16     1395:18,23     1412:10     1302:3       1333:7,14     1435:6     1425:4,9     major     1305:1       1oadings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1461:10     1385:19     1368:4       1obby     10see 1323:20     10west     1386:18     1371:1       1ocal     1263:12     1283:18     1393:5     1401:7	0		1	1334:2	1422:3,4
1348:6     1333:13     1309:11     1360:12     1246:2       1438:6     1414:7,9     1342:6     1370:9     1301:1       10ading     1429:15,16     1395:18,23     1412:10     1302:3       1333:7,14     1435:6     1425:4,9     major     1306:8       10adings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1461:10     1385:19     1368:4       10bby     10se 1323:20     10west     1386:18     1371:1       10cal     1263:12     1283:18     1393:5     1401:7	1339:3,23		I I	1339:6	management
loading     1415:24     1342:6     1370:9     1301:1       loading     1429:15,16     1395:18,23     1412:10     1302:3       loadings     1440:5     1434:8,9     1378:2,9     1306:8       lobby     lose     1323:20     lowest     1385:19     1368:4       local     1263:12     1283:18     1393:5     1401:7	1348:6			1360:12	1246:22
loading     1413:24     1395:18,23     1412:10     1302:3       1333:7,14     1435:6     1425:4,9     major     1305:1       loadings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1461:10     1385:19     1368:4       lobby     lose     1323:20     1386:18     1371:1       1484:23     losses     1262:2     1392:24     1391:1       local     1263:12     1283:18     1393:5     1401:7	1438:6		1342:6	1370:9	1301:15
1333:7,14	loading		1395:18,23	1412:10	1302:3
loadings     1440:5     1434:8,9     1378:2,9     1306:8       1333:9,12     1496:4     1461:10     1385:19     1368:4       lobby     lose 1323:20     lowest     1386:18     1371:1       1484:23     losses     1262:2     1392:24     1391:1       local     1263:12     1283:18     1393:5	_		·	major	1305:18,22
loadings     1440:3     1439:15     1380:7     1313:1       1333:9,12     lose 1323:20     1461:10     1385:19     1368:4       lobby     lose 1323:20     lowest     1386:18     1371:1       1484:23     losses     1262:2     1392:24     1391:1       local     1263:12     1283:18     1393:5			· ·	=	1306:8
1333:9,12   1496:4   1461:10   1385:19   1371:1   1368:4   1484:23   losses   1262:2   1392:24   1391:1   1461:7			1		1313:13,20
lobby     1323:20       1484:23     losses       local     1263:12       local     1386:18       1391:1       1392:24       1393:5	1333:9,12		1461:10		1368:4
1484:23     losses     1262:2     1392:24     1391:1       local     1263:12     1283:18     1393:5	lobby	<b>lose</b> 1323:20	lowest		1371:14
local 1263:12 1283:18 1393:5 1401:7	1484:23	losses			1391:15
	local				1401:7,15
1390.24 1366:25 1398.11 1405:3					1405:3
lows 1262:2   1404.10   1406:1	I I		lows 1262:2		1406:11,13
		lost 1503:13	lunch		1407:11
	1090.24	<b>lot</b> 1271:18			1408:4

1422:23	FOB MANITOE	SA HIDRO GRA	12 17 2012	rage 1334 O.	1 1000
1424:2	1422:23	1282:16.23	1360:8	1442:19	1303:21
1499:21					
1491:2					
1493:8			· ·		
managing         1291:19         1369:17,18         1458:20         1462:21         1462:7         1462:7         1462:7         1462:7         1462:7         1463:7,8         1466:13         1466:13         1466:13         1466:13         1479:6         1479:6         1479:6         1479:6         1479:6         1479:6         1479:6         1479:6         1498:4         1479:7,10         margin         1258:18         1469:13         1479:7,10         margin         1258:18         1479:7,10         1479:6         1498:4         1479:7,10         1479:7,10         1479:6         1498:4         1479:7,10         1479:7,10         1479:7,10         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:6         1479:7,10         1479:7,10         1479:7,10         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:4         1479:7,10         1479:7,10         1479:7,10         1479:7,13         1479:7,13         1479:7,13         1479:7,13         1479:7,13         1479:7,13         1479:7,13         1479:7,17         1479:1,	I				
					· ·
mandated         1294:7,18         1371:7,13,         1464:18         1466:13         1479:6           mandated         1295:3,25         18         1469:13         1479:6         1479:6           Manitoba         4         1373:1,16,         1471:7,10,         1479:1         1479:4           1242:3,6,2         1301:4,14         25         1246:3,10,         1374:8,19         1473:13         1258:18           1246:3,10,         3         3         23         1475:7,7         1261:14         1260:14           13,18,21         1311:15,25         1380:4,16         1476:17,22         1266:13,17           1248:10,15         21         1347:2,2         1266:13,17           1248:10,15         22         1380:4,16         1476:17,22         1266:13,17           13,18,21         1314:4,17         1382:22         25 1479:7         1333:20         1266:13,17           1249:3,12,         1316:2,7,8         1386:15         1484:10,18         1259:12         1346:9           1249:3,12,         136:2,7,8         1388:13,21         148:18         1262:19,20           125:12,13,         16:1321:8         1390:20         148:18         1262:19,20           125:12,13         16:321:8         <			· ·		
mandated         1295;3,25         18         1469:13         1479:6         1479:6           Manitoba         1         1300:5,9,1         1373:1,16, 1471:7,10, 1301:4,14         1471:7,10, 21         1471:7,10, 21         1471:7,10, 21         1471:7,10, 21         1243:48, 22         21 1472:24         margin         1258:18         1258:18         1258:18         1258:18         1258:18         1258:18         1258:18         1258:18         1258:18         1258:18         1259:5         1266:13,17         1248:10         1258:18         1259:5         1260:4         1258:18         1259:5         1260:4         1271:4         1260:4         1260:14         1271:4         1260:14         1271:4         1260:14         1271:4         1260:13,17         1260:14         1271:4         1260:14         1271:4         1260:14         1271:4         1260:14         1271:4         1271:4	1508:20				· ·
Manitoba	mandated				
Manitoba         4         1373:1,16, 25         1471:7,10, 21         margin 1258:18           1242:3,6,2         1301:4,14         25         21 1472:24         1258:18           2 1243:4,7         1308:1,6,1         1376:2,15, 1474:24         1258:18           1244:6         1311:15,25         1380:4,16         1476:11,22         1260:4           13,18,21         1311:15,25         1380:4,16         1476:11,22         1266:13,17           1248:10,15         1315:8,21         1314:4,17         1382:22         25 1479:7         1333:20           1248:10,15         1315:8,11, 1384:6         1480:23,25         1346:9         1346:9           1249:3,12, 1316:2,7,8         1386:15         1484:10,18         1259:12         1346:9           1316:2,7,8         1386:15         1484:10,18         1259:12         1346:9           1316:2,7,8         1389:2,7,9         1488:10,18         1263:7         1259:12         1348:18         1263:7         1259:12         1348:18         1263:7         1263:7         1259:12         1348:8         1263:7         1259:12         1348:8         1263:7         1341:8         1262:19,20         1342:8         1262:19,20         1342:8         1262:19,20         1342:11,13         1491:11			-		
1242:3, 6, 2 1243:4, 7 1307:21 1374:8, 19 1473:13 1244:6 1246:3, 10, 13, 18, 21 1247:24 1255:14 127:3, 13, 131:15, 25 1247:3, 13, 131:15, 25 1247:3, 13, 131:15, 25 1380:4, 16 1476:11, 22 1266:13, 17 136:2, 15 1478:10, 24 1266:3, 17 136:2, 17 136:2, 17 136:2, 17 137:18, 21 131:18, 24 131:18, 24 131:2, 15 1478:10, 24 1266:13, 17 1261:14 1258:18 1259:15 1260:4	·	1			
1242.3, 4, 7   1307:21   1374:8,19   1473:13   1259:55   1260:4   1246:3,10   1311:15,25   1380:4,16   1476:11,22   1261:14   1266:13,17   1247:3,13, 1314:4,17   1382:22   ,25   1479:7   1333:20   1346:9   13		<u> </u>			=
1244:61					
1246:3,10, 1311:15,25 1380:4,16 1476:11,22 1266:13,17 1311:15,25 1380:4,16 1476:11,22 1247:3,13, 1313:18,24 1381:2,15 1478:10,24 1266:13,17 1382:12 1248:10,15 1315:8,11, 1384:6 1483:2 1480:23,25 1249:3,12, 1316:2,7,8 1386:15 1488:10,18 1255:7 1251:2,13, 161321:8 1390:20 1488:18 1262:19,20 1252:1,19 1258:9 1323:6 1395:23 1490:23 1341:8 1259:11,18 1260:11,16 1325:17,23 1396:9,19 1250:11,18 1260:11,16 1326:8,15 1400:13 1498:14 1260:23,13 1326:8,15 1400:13 1498:14 1260:21,10 1260:20 1265:20 1265:20 1265:20 1265:20 1265:20 1265:20 1265:20 1265:20 1265:20 1270:2,8,1 1333:9 1415:10,17 1500:12,25 1270:2,8,1 1340:20 1271:12 1340:20 1271:12 1340:20 1271:12 1340:20 1271:12 1340:20 1271:12 1340:20 1271:12 1340:20 1271:12 1340:20 1260:10,17 1500:12,20 1253:12 1271:12 1341:10,20 1417:5,20 14	1				
13,18,21	I				
13,18,24					
15,18,21					
1248:10,15	I			,	1333:20
129.11,   13				-	1346:9
1249:3,12,					marginal
124913,12,					_
13,16,2,2   1317:10,13   1389:2,7,9   1486:1,5   1263:7   1251:2,13   1322:4,5,1   1390:20   1488:18   1263:7   1341:8   1252:1,19   2,25   1394:1,13   1491:11   mark 1284:25   1258:9   1323:6   1395:23   1492:9,16   1326:1   1260:7,24   14   1398:12   1496:15,17   1326:1   1262:3,13   1326:8,15   1400:13   1499:6,24   1417:5   1262:3,13   1264:4,12   1326:8,15   1400:13   1499:6,24   1417:5   1267:9,11   25   1332:6,12   1412:1,21   1502:15   1225:15,21   1269:12,18   1332:6,12   1412:1,21   1503:22   1253:12   1269:12,18   1337:14   1416:2,3,1   1506:18,19   1256:10   1270:2,8,1   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1417:5,20   1263:5   1263:5   1264:9,11,18   1279:14   1266:15   1279:24   1255:3,15,   1266:15   1273:6,14   1279:24   1355:7,15,   120   1288:21   1441:15,23   1314:23   1295:10,16   1298:11,18   1279:14   1288:5   1358:21   1441:15,23   1316:13   1310	I				
1251:2,13,   16 1321:8   1390:20   1488:18   1263:7   1341:8   20   1322:4,5,1   1392:3   1490:23   1341:8   1258:9   1323:6   1395:23   1492:9,16,   1326:1   1259:11,18   1324:10,12   1396:9,19   19   19   1496:15,17   1260:7,24   1261:11,16   1325:17,23   1399:5,25   1497:2   1249:13   1366:22   1265:3,13   1264:4,12,   1327:3   1401:1   1499:6,24   1417:5   1267:9,11,   25   1411:12   1502:15   1251:15,21   1269:12,18   1332:6,12   1412:1,21,   1503:22   1253:12   1269:12,18   1334:25   22   1504:19   1256:10   1270:2,8,1   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1271:12   1341:10,23   1417:5,20   1417:5,20   1271:12   1341:10,23   1417:5,20   1417:5,20   1271:12   1341:10,23   1417:5,20   1418:20   1277:7   1262:3,11,   1277:1,24   1348:14,18   1421:8,17,   1315:19   1263:5   1277:2,6   1355:19   1430:24   1355:17   1355:19   1430:24   1266:15   1277:2,6   1355:19   1430:24   1266:15   1277:2,6   1355:3,15,   20   1278:17,24   1355:3,15,   20   1279:24   1255:10,16   1279:24   1281:5   1358:21   1441:15,23   mar 1365:7   1390:13   130:13   1298:11,18   1328:15   1358:21   1441:15,23   mar 1365:7   1390:13   1390:13   130:13					
1231:2,13,   20	I				
20 1252:1,19 1252:1,19 1258:9 1323:6 1394:1,13 1492:9,16, 1326:1 1395:23 1492:9,16, 1326:1 1326:1,18 1260:7,24 1261:11,16 1325:17,23 1399:5,25 1497:2 1249:13 1262:3,13 1264:4,12, 20 1265:20 1328:8,15, 1405:9,10 1267:9,11, 22,25 1332:6,12 1411:12 1269:12,18 1335:9 1415:10,17 1269:12,18 1337:14 1270:2,8,1 2,13,17,21 1340:20,25 1271:12 1341:10,23 1271:12 1341:10,23 1272:10,23 1273:17,24 1274:8,14, 1347:5 1275:11,18 1348:14,18 1251:19 1276:25 1351:7 1276:25 1351:7 1277:2,6 1278:17,24 1280:2,4,9 1281:5 1388:21 1281:5,21 1298:11,18 1388:21 1481:5,23  marked 1249:13 1496:15,17 1496:12 1496:15,17 1496:12 1496:15,17 1496:12 1496:15,17 1496:12 1496:15,17 1496:12 1496:18 1497:2 1499:12 1249:13 136:1 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1498:14 1499:12 150:123,24 110:13 126:11,11 126:11,17					
1258:9 1259:11,18 1259:11,18 1260:7,24 1261:11,16 1325:17,23 1399:5,25 1497:2 1249:13 1369:22 1262:3,13 1264:4,12, 20 1265:20 1267:9,11, 25,25 1269:12,18 1334:25 1270:2,8,1 1271:12 1341:10,23 1271:12 1271:1					
1259:11,18 1260:7,24 1261:11,16 1260:7,24 1261:11,16 1325:17,23 1399:5,25 1497:2 1249:13 1369:22 1497:2 1249:13 1369:22 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1497:2 1509:22 1417:5 1501:23,24 1417:5 1502:15 1251:15,21 1261:10,17 1261:10,17 1261:10,17 1270:2,8,1 1337:14 1416:2,3,1 1271:12 1341:10,23 1417:5,20 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 1272:10,23 1342:5,18, 1418:20 1427:7 129:2,24 1273:17,24 1273:17,24 1274:8,14, 1347:5 1420:18 1348:14,18 1421:8,17, 1315:19 1263:5 1277:2,6 1351:7 1430:24 1279:24 1279:24 1355:3,15, 20 1438:6,20 1439:11 1281:5 1358:21 1441:15,23 14ar 1365:7 13310:13	1				
1260:7,24 1261:11,16 1260:7,24 1261:11,16 1325:17,23 1399:5,25 1497:2 1249:13 1369:22 1498:14 1369:24 1417:5 1262:3,13 1264:4,12, 20 1265:20 1328:8,15, 1400:13 1499:6,24 1417:5 1267:9,11, 25 1411:12 1502:15 1251:15,21 1269:12,18 1336:25 1270:2,8,1 1337:14 1261:2,3,1 1271:12 1341:10,23 1471:5,20 1271:12 1341:10,23 1418:20 1271:12 1272:10,23 1272:10,23 1272:10,23 1272:11,18 1274:8,14, 1274:8,14, 1275:11,18 1275:11,18 1275:11,18 1276:25 1277:2,6 1278:27 1279:24 1280:2,4,9 1281:5 1281:21 1388:12 1496:15,17 1499:6,24 1417:5 1500:123,24 1417:5 1503:22 1253:12 1253:12 1253:12 1256:10 1256:10 1256:10 1256:10 1256:10 1256:10 1256:10 1256:2,22 1258:21,24 1506:18,19 1256:10 1256:10 1256:10 1256:10 1256:10 1256:10 1256:10 1256:20 1258:21,24 1260:2,13, 1510:18  Manitobans 1261:14,17 1272:24 1262:3,11, 12,21 1350:7 1430:24 1279:14 1355:3,15, 1436:7,19, 1389:12 1266:15 1273:6,14 1279:14 1355:3,15, 20 map 1314:23 1295:10,16 1298:11,18 1358:21 1441:15,23 mar 1365:7 1310:13					1326:1
1260:7,24 1261:11,16 1325:17,23 1399:5,25 1497:2 1249:13 1369:22 1417:5 1262:3,13 1264:4,12, 20 1265:20 1328:8,15, 1405:9,10 1267:9,11, 22,25 1332:6,12 1412:1,21, 1503:22 1253:12 1269:12,18 1335:9 1415:10,17 1506:18,19 1260:2,13, 1271:12 1341:10,23 1417:5,20 1417:5 1258:21,24 1272:10,23 1272:10,23 1273:17,24 1272:10,23 1274:8,14, 1347:5 1272:10,23 1275:11,18 1349:11 1349:12 1400:13 1499:6,24 1417:5 1501:23,24 1501:23,24 1502:15 1503:22 1253:12 1253:12 1253:12 1256:10 1258:21,24 1506:18,19 1260:2,13, 1510:18 20 Manitobans 1261:14,17 149:2,24 1273:17,24 1274:8,14, 1347:5 1420:18 1348:14,18 1421:8,17, 1420:18 1275:11,18 1349:11 1340:24 1417:5 1420:18 1358:19 1420:18 1315:19 1263:5 1277:2,6 1351:7 1430:24 1263:5 1277:2,6 1278:17,24 1355:3,15, 20 manufacture 16,19,24 1266:15 1273:6,14 1279:24 1280:2,4,9 18 1438:6,20 1438:6,20 1439:21 manufacturin g 1389:19 1298:11,18 1358:21 1441:15,23 mar 1365:7 1298:11,18 1358:17 1298:11,18	1				marked
1261:11,16 1262:3,13 1264:4,12, 20 1265:20 1328:8,15, 1400:13 1499:6,24 1417:5  1267:9,11, 25,25 1269:12,18 1334:25 1273.35:9 1415:10,17 1505:12,22 1270:2,8,1 2,13,17,21 1340:20,25 1271:12 1341:10,23 1417:5,20 1272:10,23 1273:17,24 1274:8,14, 1347:5 18 1275:11,18 1348:14,18 1275:11,18 1275:11,18 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1280:2,4,9 129:15 1201:13					
1262:3,13 1264:4,12, 20 1265:20 1328:8,15, 1401:1 1499:6,24 1501:23,24 1267:9,11, 25 1332:6,12 1411:12 1502:15 1253:12 1269:12,18 1335:9 1415:10,17 1505:12,22 1258:21,24 1270:2,8,1 2,13,17,21 1340:20,25 1271:12 1341:10,23 1417:5,20 1272:10,23 1272:10,23 1274:8,14, 1347:5 1274:8,14, 1347:5 1275:11,18 1275:11,18 1275:21,23 1276:25 1277:2,6 1278:27 1279:24 1280:2,4,9 18 1356:7,17 1281:5 1356:7,17 1438:6,20 1417:5,23 1417:5 1400:1 1410:1 1400:1 1500:1 1410:1 1500:					
1264:4,12, 20 1265:20 1267:9,11, 22,25 1332:6,12 1341:12,21, 1503:22 1504:19 1256:10 1256:20 1335:9 1415:10,17 1505:12,22 1258:21,24 1270:2,8,1 2,13,17,21 1340:20,25 1271:12 1341:10,23 1471:5,20 1272:10,23 1273:17,24 1274:8,14, 1347:5 18 1275:11,18 1348:14,18 1275:11,18 1275:21,18 1275:21,28 1277:2,6 1277:2,6 1279:24 1280:2,4,9 1281:5 1356:7,17 1281:5 1358:21 1441:15,23	1				
1267:9,11, 25					
1267:9,17, 22,25 1332:6,12 1334:25 22 1504:19 1505:12,22 1258:21,24 1270:2,8,1 2,13,17,21 1340:20,25 1271:12 1341:10,23 1417:5,20 1272:10,23 1273:17,24 1274:8,14, 1347:5 18 1275:11,18 1348:14,18 1275:11,18 1349:11 1350:7 1430:24 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1280:2,4,9 1281:5 1332:6,12 1412:1,21, 1503:22 1504:19 1455:10,17 1505:12,22 1258:21,24 1506:18,19 1258:21,24 1506:18,19 1260:2,13, 1506:18,19 1260:2,13, 1506:18,19 1260:2,13, 1506:18,19 1260:2,13, 1270:18 12417:5,20 Manitobans 1261:14,17 1262:3,11, 12					
1269:12,18 1269:12,18 1334:25 1269:12,18 1335:9 1415:10,17 1505:12,22 1258:21,24 1270:2,8,1 1340:20,25 1341:10,23 1271:12 1341:10,23 1272:10,23 1273:17,24 1274:8,14, 1348:14,18 1275:11,18 1275:11,18 1349:11 1276:25 1277:2,6 1278:17,24 1280:2,4,9 1280:2,4,9 1281:5 1334:25 122 1504:19 1256:10 1256:10 1256:10 1256:10 1258:21,24 1506:18,19 1260:2,13, 1261:14,17 1262:3,11, 126					
1335:9 1415:10,17 1505:12,22 1270:2,8,1 1337:14 1416:2,3,1 1506:18,19 1260:2,13, 1271:12 1341:10,23 1417:5,20 1271:12 1342:5,18, 1273:17,24 122 1345:19 1419:3 1274:8,14, 18 1348:14,18 1275:11,18 1349:11 1350:7 1420:18 1315:19 1276:25 1277:2,6 1278:17,24 1280:2,4,9 1280:2,4,9 1280:2,4,9 1281:5 1335:9 1415:10,17 1506:18,19 1260:2,13, 1210:18  Manitobans 1427:7 1420:18 1419:3 1427:7 1419:3 1420:18 1315:19 1420:18 1315:19 1420:18 1315:19 1420:18 1315:19 1430:24 1430:24 1430:24 1438:6,719, 1389:21 1266:15 1278:17,24 1355:3,15, 20 1280:2,4,9 1356:7,17 1438:6,20 1438:6,20 1438:6,20 1439:21 1438:1,18 1358:21 1441:15,23 1310:13	1				
1270:2,8,1 2,13,17,21 1340:20,25 1341:10,23 1417:5,20 1418:20 1272:10,23 1273:17,24 1274:8,14, 1347:5 1275:11,18 1275:11,18 1276:25 1277:2,6 1277:2,6 1278:17,24 1280:2,4,9 1280:2,4,9 1280:2,4 1281:5  1337:14 1416:2,3,1 1506:18,19 1260:2,13, 1210:18  Manitobans 1261:14,17 1418:20 1427:7 1419:3 1420:18 1420:18 1421:8,17, 1315:19 1262:3,11, 1262:3,11, 1279:24 1350:7 1430:24 1430:24 1430:24 1430:24 1430:24 1430:24 1430:24 1430:24 1279:24 1355:3,15, 120 1218:17,24 1280:2,4,9 1280:2,4,9 1356:7,17 1439:21 1438:6,20 1439:11 1438:6,20 1439:11 1438:6,20 1441:15,23 136:7 1310:13	1269:12,18				
2,13,17,21 1340:20,25 1341:10,23 1417:5,20 1342:5,18, 1273:17,24 1274:8,14, 18 1275:11,18 1275:11,18 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1280:2,4,9 1280:2,14 1281:5  1340:20,25 1341:10,23 1417:5,20 Manitobans 1261:14,17 1418:20 1427:7 1419:3 1420:18 1420:18 1421:8,17, 1420:18 1421:8,17, 14315:19 1490:12 1263:5 1264:9,11, 1350:7 1430:24 1436:7,19, 1389:21 1265:3 1352:19 1437:8,16, 1279:24 1355:3,15, 120 1438:6,20 1438:6,20 1438:6,20 1439:21 1298:11,18 1358:21 1441:15,23 1350:7 1430:26:15 1279:14 1279:14 1355:3,15, 1438:6,20 1438:6,20 1438:6,20 1439:21 1298:11,18 1358:21 1441:15,23 1310:13					
1341:10,23	I				
1272:10,23 1272:10,24 1273:17,24 1274:8,14, 1347:5 1348:14,18 1275:11,18 1276:25 1277:2,6 1278:17,24 1280:2,4,9 1280:2,4,9 1281:5  1342:5,18, 1418:20 1427:7 1419:3 1427:7 1419:3 1427:7 1419:3 1420:18 1420:18 1315:19 1420:12 1315:19 1420:12 1315:19 1430:24 1430:24 1430:24 1351:7 1436:7,19, 1389:21 1266:15 1277:2,6 1355:3,15, 20 1437:8,16, 20 1438:6,20 1438:6,20 1438:6,20 1439:21 1281:5  1358:21 1441:15,23  1427:7 1427:7 1427:7 1315:19 1262:3,11, 1263:5 1264:9,11, 1264:9,11, 1266:15 1273:6,14 1279:14 1280:2,4,9 1358:21 1441:15,23  1427:7  1427:7  1427:7  1315:19 1262:3,11, 1262:3,11, 1263:5 1264:9,11, 1264:9,11, 1266:15 1273:6,14 1279:14 1279:14 1279:14 1281:5				1310:10	
1273:17,24 1273:17,24 1274:8,14, 1347:5 18 1275:11,18 1349:11 1350:7 1276:25 1277:2,6 1278:17,24 1280:2,4,9 1280:2,4,9 1281:5 1273:17,24 1281:5 1241:18,17, 1420:18 1420:18 1420:18 1420:18 1420:18 1420:19 1420:19 1420:18 1315:19 1262:3,11, 1263:5				Manitobans	· ·
1274:8,14, 18 1347:5 1420:18 1315:19 1275:11,18 1349:11 1350:7 1430:24 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1280:2,4,9 1281:5 1348:14,18 1421:8,17, 1315:19 1440:12 1315:19 1440:12 1315:19 1430:24 1430:24 1436:7,19, 1389:21 1266:15 1273:6,14 1279:24 1355:3,15, 20 1438:6,20 1438:6,20 1438:6,20 1358:21 1441:15,23 136:7,17 1310:13	1			1427:7	
1274:8,14, 18 1348:14,18 1349:11 1350:7 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1,12,14 1281:5  1348:14,18 1421:8,17, 1315:19 1490:12 1264:9,11, 1430:24 1436:7,19, 1389:21 1265:3 1266:15 1277:2,6 1355:3,15, 20 1437:8,16, 1437:8,16, 1438:6,20 1438:14,23 1295:10,16 1298:11,18 1281:5	· ·			manner	
18 1275:11,18 1349:11 23 1423:22 1490:12 1264:9,11, 1350:7 1430:24 1276:25 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1280:2,4,9 1281:5  1358:21  1349:11 23 1423:22 1490:12 1264:9,11, 1364:9,11, 1430:24 manufacture 1389:21 1266:15 1273:6,14 1279:14 1281:5  1358:21 1441:15,23 mar 1365:7 1310:13					
1275:11,18 ,19,21,23 1276:25 1277:2,6 1278:17,24 1280:2,4,9 ,12,14 1281:5  1350:7 1430:24 1436:7,19, 1438:21 1436:7,19, 1438:24 1438:6,20 manufacturin g 1389:19 1279:14 1281:5  1204.9,11, 1430:24 1438:6,20 map 1314:23 mar 1365:7 1298:11,18 1358:21 1441:15,23 mar 1365:7					
1351:7 1436:7,19, 1389:21 1265:3 1277:2,6 1353:3,16 1437:8,16, 20 map 1314:23 1295:10,16 1280:2,4,9 1281:5 1358:21 1358:21 1441:15,23 mar 1365:7 1310:13	I				
1277:2,6 1277:2,6 1278:17,24 1279:24 1280:2,4,9 1281:5 1352:19 24 1437:8,16, g 1389:19 1279:14 1281:5 1352:19 1441:15,23 manufacturin g 1389:19 1266:15 1273:6,14 1279:14 1279:14 1279:14 1298:11,18 1358:21 1441:15,23 mar 1365:7	I				· · · · ·
1277:2,6 1278:17,24 1279:24 1280:2,4,9 ,12,14 1281:5 1353:3,16 1437:8,16, 20 1438:6,20 1438:6,20 1438:6,20 1439:21 1439:21 1439:21 1441:15,23 mar 1365:7 1203:13 1273:6,14 1279:14 1298:11,18 1310:13				1389:21	
1278:17,24 1279:24 1280:2,4,9 ,12,14 1281:5 1355:3,15, 20 1437:0,10, 20 1438:6,20 1438:6,20 1439:21 1439:21 1441:15,23 mar 1365:7 1310:13	I			manufacturin	
1279:24 1280:2,4,9 ,12,14 1281:5 1353:3,13, 1438:6,20 1438:6,20 1439:21 1439:21 1441:15,23 mar 1365:7 1310:13					
1200.2,4,5 ,12,14 1281:5 1356:7,17 1439:21 1441:15,23 mar 1365:7 1310:13				_	
1358:21 1441:15,23 mar 1365:7 1310:13				map 1314:23	
1281:5 1338:21 1441:13,23 1310:13				mar 1365:7	
1313:25 <b>March</b> 1313:25	1281:5				
		1333:10	, 43	marcn	1313:25

F 0 D	MANTIODA	IIIDNO GNA	12 17 2012	rage 1333 01	1500
131	4:5,7,1	mathematical	1378:14	1334:1	1268:9,15,
	6,25	1296:15	1381:9	1346:5	18 1308:22
	5:1	1418:5,7	1402:20	1390:3,4	1331:4,10
	6:2,4,8	1422:9	1458:21,25	1456:8	1334:19,20
	7:14		1485:16	1484:6	1335:2,4,1
_	8:1	mathematical	1488:7		2,15
	21:5,9,1	<b>ly</b> 1416:6	1492:17	meant	1337:22
	6,24	matter		1310:15	1339:24
	22:1,2,1	1319:23	<b>maybe</b> 1306:5	1373:8	1343:17
9,2		1313.23	1311:22	measurable	1344:5,9
	26:1,23	1343:7	1326:3,4	1354:7	1345:10
	28:16	1343.7	1330:18	1378:16	1345:10
		1378:16	1351:22	1370.10	
	34:11		1359:13	measure	1350:15
	37:3	1386:13	1365:9	1398:25	1354:25
	11:1,9	1388:19	1368:18	1496:12	1364:10,11
	15:18,20	1390:14	1371:24	measured	1380:16
	1346:6	1402:12	1396:2	1258:20	1440:3
	17:11	1423:17	1416:5	1399:14	megawatts
	18:22	1424:16	1426:15	1399.14	1253:9
	66:4,6,9	1434:20	1432:17	measurements	1265:1
	55:7	1438:16	1433:25	1398:15	1324:17,23
	93:7,21,	1477:18	1434:4	measures	1325:2,6,8
	1425:23	1485:5	1454:24	1399:1,18	,12,16
	34:8	1493:3	1482:1	1405:17	1327:8
143	39:10,13	matters	1485:11,19		1328:17
marke	eting	1248:6	1488:5,7	mechanism	1329:6
131	7:15	1249:24	1508:18	1492:17	1333:10
ma mlea	etplace	1370:2,9	1510:17	median	member
	95:10	1511:14	<b>mean</b> 1254:6	1296:5	1242:15,16
	4:14	maturity	1257:13	1297:6	1315:11
	35:20	1430:20	1380:10	1298:1	1316:18
140	55.20		1380:10	meet 1338:21	1328:1
marke	ets	maximize	1307:0	1340:8	1395:16
	71:21	1260:13	1401:12	1340:6	1396:5
	54:12	maximum	1425:1		1440:14,22
138	36:10	1323:3	1432:24	1401:8	1471:23
marke	et's		1462:1	1402:7 1428:8	14/1.25
	00:19	may 1249:11	1463:9		members
		1252:11,12	1464:18	meeting	1276:3,4,7
mater		,15	1494:14	1260:4	1318:23
	59:19	1253:1,6,1	1496:5	1340:14	1320:14
	56:21	5,16	1497:10	1374:19	member's
	74:4	1255:5	1507:6	1402:5	1436:22
	91:14	1265:22	1507:0	meetings	
	9:23	1273:4,14		1401:14	memberships
	21:10	1282:1	meaningful	1481:22,24	1443:17
	57:6	1291:10,16	1376:21	1482:3	1444:7
146	55:6	1292:17	1379:2	1484:19	memo 1400:16
mater	rials	1306:25	1383:21		1401:20
127	72:21	1310:11,16	meaningless	megawatt	1402:19
		1318:19	1383:3	1247:5,7	1405:11,16
	1299:4	1322:11		1263:1	1444:6
144	17:17	1353:12	means 1316:3	1264:22	
		1376:16	1327:9		memory

102 1111(1102)			1490 1000 0.	
1294:14,17	metres	9	6 <b>,</b> 22	1265:20
1321:12	1392:13	1282:7,13,	1452:4,5,1	1327:22
1481:14		21	7 <b>,</b> 25	1358:17
	metric	1283:12,23	1453:2	1400:12
memos	1372:12	1285:4,17,	1487:3	1414:25
1401:10	metrics	24	1498:9,10,	
1441:22	1398:6,15,	1286:8,18,	13 1500:21	MIPUG
mention	16	23	1501:2,24	1243:12
1376:22	1399:13,16	1287:3,11	1502:25	1245:5
1469:17	1469:10,18	1297:7	1503:5,10,	1248:24
1495:18	MH-159D	1298:6,7,1	15 <b>,</b> 17	1249:7,24
1506:11	1405:2	3,21	1505:20	1369:19
mentioned	1405:2	1299:3,6,1	1507:15	mirror
1266:19	MH-18	3,16	1508:9	1284:21
1283:10	(ADDITION	1300:1	1509:15,16	miscellaneou
1334:17	1248:19	1328:9	1510:5	s
1357:20	MH-18	1339:21	1511:4,5	=
	_			1361:9,11
1383:4	(ADDITION)	Miles's	millions	misleading
1388:11	Responses	1279:5	1323:20	1380:2
1406:11	1245:3	Miller	mind 1374:7	MISO 1313:25
1415:3	<b>MH-22</b> 1245:5	1243:10	1413:15	
1422:8	1249:7		1417:12	1314:5,6,8
1426:10	<b>M-hm</b> 1257:17	million	1491:5	,16,25
1445:21	M-nm 125/:1/	1298:12,23		1315:1,11,
1473:7	Michael	1301:7,14,	mind-set	13,17,18,2 0
1478:3	1243:14	17,18,23	1400:15	ŭ
1494:9,16	microphone	1302:3,11,	minimize	1316:1,3,8
merchant	1368:17	16,17,23,2	1254:3	,10,18 1317:25
1325:24		4 1303:1,2	minimum	1317:23
merit	middle	1306:18	1268:13	
1346:2,5	1349:21	1311:5,7		1319:8
1340.2,3	1353:20	1312:1,10,	ministers	1320:14,22
message	1372:19	18 1327:5	1388:16	1321:5,11,
1355:9	1435:4	1338:17,19	Minnesota	14,15,18,2
1401:4,12	1492:12	,21	1439:23	1,24 1322:2,5
messages	1500:20	1340:11,12	1440:1	1322:2,5
1437:18	middle-of-	1355:4	_ 110,1	
	the-road	1360:3,21,	minor	1328:16
met 1315:21	1278:6,8	24,25	1342:15	1329:1
1415:20	•	1367:3,12	1368:2	1334:11
method	Miles	1368:6	minus	1341:24
1394:18	1270:22,23	1404:21	1303:20	1345:18
	1271:1,9,1	1410:4	1467:23	missed
methodology	6	1418:23		1508:15
1461:12	1272:12,20	1419:13,15	minuses	missing
1463:14	<b>,</b> 22	1420:16	1369:10	1434:1
1498:25	1273:23,25	1445:23	minute	
1499:3,8	1274:3,13,	1446:10,16	1336:9	misspoke
1505:9	16,20	1447:18	1337:7	1420:15
1508:17	1275:10	1449:14,15	1406:23	mister
	1279:15,20	<b>,</b> 16		
methods			1450:4	1441•4
methods 1486:22	,21 1280:1,8,1	1450:21,22 1451:4,5,1	1450:4 minutes	1441:4 mixed 1485:9

mixing 1256:8	1300:8	municipal	necessarily	
1256:8		municipai	necessarily	1486:15,17
	1327:19	1390:24	1324:8	1487:9
<b>MKO</b> 1243:14	1329:13		1326:2	1488:3
MKO 1243:14	1368:3,6		1375:9	1511:1
<b>MMBTU</b> 1350:4	1511:24	N	1403:13	netted
mobile	most-	<b>nat</b> 1369:3	1415:21	
1358:2		Nation		1360:12,21
	efficient	1498:9	necessary	network
1391:15	1333:13		1252:14	1324:24
model 1394:9	mostly	national	1332:20	1325:1
modelling	1330:2	1266:25	1337:1	1326:9,12,
1286:12	1509:24	1267:2	negate	19,22
1200:12		1378:7	1489:19	Newfoundland
moderate	motivating	1441:2		
1499:11	1254:15	natural	negative	1366:3
moderated	motivation	1319:13,17	1265:10	NFAAT
1423:4	1258:10,12	,25	1347:23	1279:11
1438:17	1206 0	1328:15	1348:12	1427:19
1430:17	move 1306:9	1329:2,15,	1428:12	1438:11
modestly	1358:4	24 1330:1	1443:8	NT3 3 T -
1428:17	1408:18	1340:18	1483:13	NFAATs
1430:9,10	1434:14,15	1341:6,16,	1486:17	1424:14
modified	1447:23	18	1495:11	<b>nice</b> 1455:6
1383:8	1453:6	1342:16,19	negotiate	night
1303.0	1456:15,24	,21	1414:10	1326:8,23
moment	1465:19	1343:3,10		
1511:24	1467:2	1346:8	negotiated	1336:16
money 1337:1	1486:11	1349:12	1407:24	1348:4
1348:18	1487:3,12	1351:9	negotiation	nighttime
1397:12,14	1495:12	1354:13,21	1498:9	1324:7
· I	moved 1281:8	1355:7,11,		1348:3
monopolies	1360:13	22 1356:8	negotiations	nine 1295:1
1384:6	1465:8	1357:10,11	1379:10	1298:23
Monsieur	1475:4	·	1407:6	
1389:17	1491:23	,12,14	1408:7,13	1303:17,18
	1494:1,17	natural-gas-	neither	1307:1,14
month	1495:15	generated	1309:8	1309:23
1273:13		1343:11		1322:22
1297:11	moving	1345:4	Nesbitt	1350:9
1304:4	1281:22	naturally	1441:1	1417:23
1401:25	1305:14	1369:3	<b>net</b> 1303:1	1424:19,20
months	1306:10		1309:3,11	1446:11
1299:14	1360:20,22	1470:6	1310:10	1453:2,18
1300:6	1397:24,25	nature	1312:1,11,	1511:23
1347:10	1481:4	1317:9	17 1360:25	ninety
1399:12	1494:10,24	1359:5	1362:1,10	1301:13
1453:23	1495:20	1362:19	1366:17	1350:5
1462:1,9	multiplier	1471:17	1367:2,10,	nino+
1463:11	1333:8	nearby	11	ninety-one
1477:24	1345:7	1356:2	1369:9,11	1350:14
			1391:12	ninety-six
morning	multiply	nearly	1403:13	1446:10
1248:4	1331:2	1354:14	1426:11	ninety-three
1276:6,13,	1350:12	<b>NEB</b> 1267:3	1445:9	1462:21
17 1297:24		1237.3		1702.21

	I III DI GO GIUI	T	1490 1000 0	1000
nobody's	notable	1439:25	1264:8,23	1264:18
1260:4	1265:4	obligation	1356:3	okay 1267:2
nomenclature	<b>note</b> 1347:9	1386:14	offering	1282:21
1294:2	1371:6		1266:14	1291:6
1297:14	1431:4,10,	obligations	1345:24	1319:9
1332:11	13,25	1252:17	1363:12	1345:14
	1432:20	1253:14		1368:14
nominal	1433:14	1254:11	offers	1369:14
1349:25	1491:9	1433:22	1356:8	1373:5
1350:6,9,1	1501:14	obliged	office	1397:20
5 1351:2		1433:13	1247:20	1419:4
<b>none</b> 1459:15	noted 1372:8	observations	1390:23	1434:21
1511:18	1385:4	1419:17	1392:20	1435:3
non-	1412:4	1419;17	1393:25	1446:21
non- essential	1445:8	obtain	1394:2,3,1	1451:21
	nothing	1332:13	0 1395:21	1466:25
1405:21	1391:21	obtained	1396:12	1468:8
non-firm	1438:5	1250:15	1410:10	1469:22
1323:5,7	1489:25	1276:7	1412:4	1473:24
1324:14		1387:17	1464:21	1478:1
1326:23,24	notice		offices	1502:24
1327:10	1253:20	obviously		1503:4
non-issue	1294:24	1290:25	1390:19	1504:4,1
	noting	1355:8	off-peak	1511:22
1262:7	1279:23	1509:20	1295:17	
non-use	notional	occasionally	1296:21	<b>old</b> 1329:2
1324:24		1384:21	1322:24	1420:5
norm 1464:24	1433:10		offset	<b>OM</b> 1373:16
1465:1	1434:7	occasions	1309:19	1250
1403:1	1472:15	1348:21	1365:11	OM&A 1358:
normal	November	occur	1303:11	1360:18
1289:7,18	1273:11	1273:5,9	offsets	1370:11
normalize	1368:23	1361:4	1369:3	1371:13,
1448:12,15	np	1369:3	1486:16	1372:5,1
,19 1449:7	1243:14,16	1485:2	<b>oh</b> 1260:19	1373:16
·	·	1508:7	1267:20	1374:14
normalized	NSP		1275:21	1375:22
1449:14	1292:18,24	occurred	1293:24	1376:24
normally	1293:6	1403:22	1339:15	1400:17
1306:15	1440:3	1442:14	1345:14	1401:10,
1309:7	nuclear	1449:9	1347:24	1403:2,1
1407:4	1357:21,24	occurrence	1370:20	13 1405:
	1358:2,3,9	1322:21	1371:19	1413:19
North 1394:3	,11	o'clock	1399:23	1414:1
1477:3,7,8	/		1404:14	1442:7
1485:17		1367:17	1431:19	1444:12
Northeast	<u> </u>	1446:22	1432:16	1446:9,1
	<b>O&amp;M</b> 1380:6	1511:23	1452:16	1447:19
1317:16				1448:2,5
1317:16	1445:2	Odette	1/127•2	
1317:16 Northern		1243:5	1487:2	
1317:16	objective		1490:19	1450:1
1317:16 Northern	objective 1278:7	1243:5		1450:1 1452:16
1317:16 Northern 1362:23,25	objective	1243:5 1248:8,9,2	1490:19	

TOD MANIIODA	TIIDKO GKA	12 17 2012	rage 1339 01	
<b>OM&amp;M</b> 1398:8	1340:2	1260:8,9	1463:25	1307:17,22
	1360:7,12,	1298:18	1492:11,12	1308:3
one-eight-	22,24	1342:6	orders	
zero	1361:3	1368:17		outages
1460:9	1364:8	1475:20	1373:15	1254:8,9
ones 1409:8	1365:5		1396:16	outcome
1441:4	1370:9	opposed	organization	1353:12
1503:25	1386:18	1274:19	1384:10	outcry
One-third	1387:3	1332:13	organization	1477 <b>:</b> 15
1268:21	1388:6	1413:20 1418:3	<b>al</b> 1376:12	
1200:21	1391:14	1418:3		outlight
ongoing	1395:17	1450:12	organization	1377:9
1443:13	1396:4,10	1451:5	<b>s</b> 1384:4	outlined
1481:24	1445:5,10	opposite	original	1316:14
1484:20	1446:8,13	1383:15	1276:23	
1487:21	1465:3	1391:10	1468:2	outlook
on-peak	1492:15	opposition	1485:8,10	1291:15,16
1324:2	1497:13	1479:5	·	1441:16
1341:11	operation		originally	output
	1366:5,7,8	optics	1383:13	1246:15
onset	1387:20	1418:4	originated	1287:8
1314:15	1388:4	optimistic	1475:14	1308:9,20
Ontario	1401:16	1397:4	others	1310:6
1321:10		option	1352:5,6	1339:11
1363:23	operational	1438:5	1362:6	1489:10
1364:4,7,9	1458:16		1381:17,20	outright
1491:16	operations	options	1383:10	1377:9
1504:8	1378:19	1486:8	1394:9	
onto 1347:11	1394:7	orange	1429:13	outside
	1426:24	1284:6	1497:8	1477:8
<b>open</b> 1323:19	1446:13	order		outsourced
open-access	1449:13	1254:10	other's	1363:13
1327:4	1450:2	1254:10	1362:3	outstanding
opening	1510:5,6,7	1271:5	Others	1363:22
1377:18	operator	1271.3	1482:13	
1390:15	1314:9	1275:6	otherwise	overall
1030,10		1301:6	1323:21	1340:15
operate	<b>opinion</b> 1284:25	1338:21	1434:12	1386:17
1307:10		1355:4	1458:25	overhead
1309:7	opinions	1359:25	1466:10	1464:2,9,2
1364:15	1353:10	1360:3	1510:12	0 1465:16
operated	opportunitie	1372:1,9	ourselves	1466:15,16
1314:7	<b>s</b> 1254:14	1373:21	1377:4	1472:15
1315:19	1314:16	1374:17,22	1377:4	overheads
operates		,24	1382:25	1446:2
1317:15	opportunity	1375:15 <b>,</b> 16	1393:16	
	1250:23	1380:21	1393:16	overlaid
operating	1251:1,21	1385:2	1394:14	1280:13
1247:18	1252:18	1387:4,12	1469:12	overloads
1252:6	1255:13	1397:24	1471:13	1348:7
1253:15	1256:1	1398:17		oversupply
1263:11	1258:21,24	1410:4	outage	1348:11,13
1339:23	1259:9,10	1445:22	1246:11	1010.11,10

	A HIDNO GNA	12 17 2012	rage 1300 Oi	
overtime	1349:17,21	1500:1,3,1	1316:2,4	1511:20
1406:8	1350:17	3 1504:5	participants	<b>PAUSE</b> 1250:1
1456:21,23	1351:14	pages	1314:12	1254:17
1457:13,14	1358:21	1242:24		1256:5
<b>,</b> 25	1359:2	1249:1	participate	1257:10,24
1458:7,10,	1361:7	1375:15	1265:10	1261:1
13,16,22	1372:2,18,	1391:19	1379:22	1265:15
1459:2,4,9	19	1411:19	participated	1266:1
<b>,</b> 14 1460:2	1374:17,24		1379:4	1268:25
1461:19	1385:3	paid	participatin	1275:14
1463:20	1396:16,18	1325:20,21		1277:12
1464:14	1397:25	1326:6,14,	<b>g</b> 1264:25	1279:8
1466:14	1398:1	21 1348:16	participatio	1280:6,17
1467:5,22,	1400:14	1353:15	<b>n</b> 1484:22	1287:5,23
25 1468:16	1402:18	1363:3		1288:16
owner 1356:7	1403:8,24	1457:16	particular	1289:3,23
	1404:11,13	1459:1	1258:18	1290:11
owns 1362:22	,14,15	Pambrun	1259:4	1291:8,21
	1405:13	1243:16	1260:15,21	1293:3,12
P	1408:18		1262:10	1299:1,10
p.m	1411:14,16	panel	1289:7	1300:18
1367:19,20	1431:25	1242:13	1395:3	1301:1,10,
1446:24,25	1434:23	1244:6	1495:3	25
1512:6	1441:24	1250:7	1496:22	1302:13,19
	1442:4,13	1367:15	1509:13,14	1304:11,23
<b>pace</b> 1457:16	1447:8	1371:24	particularly	1306:20
pack 1353:20	1448:4	1412:21	1309:5	1307:6
1044.0	1449:25	1512:4	1398:10	1308:25
page 1244:2	1450:14,16	<b>paper</b> 1249:4	1480:11	1312:5
1245:2	1451:2,6,1	1369:17,21	1484:16	1313:5
1246:2	4,18,19	,25 1370:4	parties	1314:20
1247:2	1452:1,12,	<b>par</b> 1265:10	1249:4	1317:5
1250:16 1267:14	14	1386:1,2	1361:5,12,	1318:4,17
1269:9,24	1453:2,19	1453:21	16,18	1324:20
1276:1,4,8	1454:3,5		1362:13	1327:1
1278:16	1455:13,18	paragraph	1370:4	1330:5
1270:16	1456:1	1374:25	1478:8	1336:11
1290:4	1457:12	1400:25		1338:6,25
1296:19	1459:25	1402:12	partnership	1341:3
1299:7,12	1460:9,10,	paramount	1269:16	1342:9
1300:3	24 1463:16	1327:14	<b>pass</b> 1275:2	1343:14
1300:3	1466:16			1347:1,17
1	1467:3	parcel	past	1349:1,8
1314:22 1317:24	1468:15	1491:23	1271:2,4	1351:4,20
	1469:13	parcels	1382:16	1353:6
1318:6,8,2 4	1470:24	1393:19	1413:3	1357:6
1319:6,11	1471:5,19	partial	1425:24	1363:18
	1486:13	_	1467:2	1364:1
1322:3	1487:4	1453:7	1499:16	1370:17,23
1328:4,24	1491:11	partially	<b>path</b> 1422:22	1372:22
1337:10,13	1492:10,11	1305:22	1482:7	1375:6,12
,18,19	,12	participant	Da++: 10/0./	1395:12
1345:15	1493:17	1264:9,11	Patti 1243:4	1397:22
1346:4,12	1499:23	1207.3,11	1367:24	

	TIANTIODA	I IIIDNO GNA	12 17 2012	- rage 1301 01	
14	01:18	1325:2,12,	1386:19	1272:6	1376:3
140	02:15	13 1341:12	1392:22	1376:9	periods
140	04:1,23	1346:24	1393:10	performance	1254:2,24
140	07:1	1347:15	1394:5,8	1264:5	1354:20
140	08:15	1348:24	1395:17 <b>,</b> 23	1271:3,13,	1415:4
14	11:6	1462:9,11	1400:19	17 1379:5	
14	31:15,22	1463:2,11	1402:1	1/ 13/9:3	permissible
143	33:2	1466:4	1403:3,9,1	performing	1422:2
14	41:12	<b>peaks</b> 1462:8	8	1461:4	permit
14	43:24	peaks 1402:0	1404:6,7,1	perhaps	1482:20
14	57:18	<pre>peer 1375:1</pre>	2	1287:7	
14	58:3	1471:23	1406:15,19	1313:8	permitting
14	59:12,18	peers 1376:3	<b>,</b> 22	1320:25	1419:2
14	61:15	1381:7	1407:17,18	1327:19	perpetuity
14	62:17	1384:21	,25 1408:1	1345:15	1503:2
14	66:19	1471:7	1412:23	1351:25	
14	67:13		1414:17	1352:2,15	perspective
14	68:10	penalty	1416:22	1370:19	1310:14
14	69:1,7	1351:25	1417:17,21	1370:19	1355:7
14	70:12,21	penny	1418:1,4	1372:12	1427:10
14	71:3	1268:22	1421:10	1374:14,17	1492:7
14	72:18	1269:7	1422:9	1375:1	perspectives
148	87:14		1423:7	1412:19	1271:4
148	89:4	people	1426:3,20,	1418:18,20	1274:23
14	93:14	1361:18	23	1419:16	1275:3,4,5
150	04:21	1367:9	1428:1,2,6	1479:4	
150	06:15	1383:11	,16		pertaining
15	11:16	1386:20	1430:19,21	period	1490:6
paus		1394:12	1435:8	1252:10	pertains
_	71:6	1437:19	1436:15	1273:13	1490:22
13	/1:0	1465:13,21	1442:21,25	1338:13	<b>Pet</b> 1468:1
pay	1265:11	1474:15	1443:7	1354:9	rec 1400.1
13	48:12	per	1454:15,16	1382:22	Peter
13	64:6,20,	1268:9,15,	1455:1	1402:8	1243:10
22	, 24	22 1269:7	1456:2,3,6	1413:5	1342:3
13	65:3,4	1344:5	1460:2,3,1	1415:11	Peters
138	80:3	1346:21	5 1461:2,6	1416:13	1243:2
143	14:1	1350:3	1508:18	1418:9,10	1244:11
payi	na	1372:5,12		1420:24	1248:13
	64:15	1373:24	percentage 1320:10	1421:1	1249:10
		1378:3,20		1422:5,11,	1250:3,12,
paymo		1380:16	1454:14,18 1456:23	21	13,22
	59:17,20	1382:17		1423:7,8	1251:1,5,1
, 2		1410:4	1457:15 1508:25	1426:1,3,9	2,18,25
150	02:15,25	1457:2,6	1000:70	1427:21	1252:6,18,
pays	1327:4	1470:17	percentages	1428:9,17	24 1253:5
		1510:5	1408:3	1449:10	1254:5,12,
PCB	1498:10		perception	1460:2	21
				1462:7	
peak		percent	1437•12		1255:9.17.
-	52:7,10	1294:7,12	1437:12	1506:22	
12		1294:7,12 1303:20	perfect	1506:22 1507:22	23
12! 12!	52:7,10	1294:7,12 1303:20 1320:25	<b>perfect</b> 1278:12	1506:22	23 1256:9,12,
12: 12: 14	52:7,10 53:8,13,	1294:7,12 1303:20	perfect	1506:22 1507:22	1255:9,17, 23 1256:9,12, 19 1257:5,13,

				1490 1002 01	
14,	18	21,22	2	,23	1413:18
	8:6,9,1	1298:2,3,8	1330:1,8,9	1365:1,9,1	1414:3,9,2
6	, _	,15,22	,18	3,17,22	0
-	9:11 <b>,</b> 18	1299:5,12,	1331:12	1368:1,9,1	1415:2,7,1
,21		18,21,24,2	1332:6,10	0,14	5
1	50:6,17,	5	1333:2,22	1369:7,8,1	1416:1,5,1
23	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1300:8,20	1334:17,23	3,14	6,24
	51:9,16,	1301:3,12	,25	1370:13,19	1417:4,19,
21	, , ,	1302:1,6,1	1335:7,24,	1371:4,5,1	25
	55:17 <b>,</b> 18	0,21	25	1,16,23	1418:3,11,
	56:4	1303:3,8,1	1336:7,8	1372:11,15	17,24
1	57:19,24	5,22	1337:5,6,9	,18,24	1419:4,14,
	58:20,21	1304:3,6,1	,17,24	1373:3,6,1	16
	59:1,2,6	4,17,25	1338:2	1,14,19	1420:14,21
	1,18,22	1305:5,17,	1339:1,10,	1374:9,16,	1421:17
	0:6,7,2	21	13,17	23	1436:19
0,2		1306:16,25	1340:16,23	1375:8,14,	1440:8,9,2
	1:7,12	1307:16,19	,24	20,25	0,21
	'2:8 <b>,</b> 19 <b>,</b>	,20	1341:5,23	1376:22	1441:4,19,
23	, ,	1308:18,19	1342:4	1381:1,2,1	20
	'3:1 <b>,</b> 17,	1309:16	1343:8,19,	2,15,25	1442:8,12,
22		1310:2,3,1	23	1382:5	17 <b>,</b> 24
127	4:1,13,	5	1344:1,4,1	1383:5,16,	1443:3,4,1
17		1311:11,12	0,13,16	25	1,14,15
127	5:10 <b>,</b> 16	,20,21	1345:1,8,1	1385:1,2,8	1444:1,4,9
127	6:1,16,	1312:8,10,	1,14	1388:9,10,	,10,15,19
20		14,22	1346:3,11,	13,24	1445:1,10,
127	77:5,9,1	1313:1,2,1	17 <b>,</b> 23	1389:5	11,19
7,2	2.4	1,16,23,24	1347:4,5,8	1395:14,15	1446:1,6,7
127	8:7,12,	1314:3,14,	,14,21,22,	1396:2,14,	,16,17
15,	22	22	25 1348:20	15,23	1447:1,4,5
	9:3,10,	1315:7,10	1349:5,10,	1397:3,7,1	,15,16,24,
	18,23	1316:5,12,	16,19	5,20,24	25 1448:18
	30:2,10	17,22,25	1350:16,22	1398:13	1449:11,12
	31:1,3	1317:3,22,	1351:1,6,1	1399:5,13,	,18,19,21
128	32:4,9,1	23	2,22	20,25	1450:3,8,2
5		1318:7,8,1	1352:9,11,	1400:3,10,	0,25
	86:17,18	5,19	12,19	23	1451:10,11
,24		1319:9,20	1353:2,9,1	1401:9,20,	1452:7,8,1
1	37:7,13,	1320:5,12,	8	24	5,20,23
1	18,19	21	1358:15,16	1402:6,17,	1454:1,2,1
1	88:2,4,8	1321:2,3,7	1359:1,11,	22	1,12,19,23
	3 1289:5	,20,23	13,18,24	1403:1,7,1	1455:24,25
	91:10	1322:3,11,	1360:2,5,1	5,23	1456:8,11,
	92:1,2,1	20,23	0,16,20	1404:3,13,	12,17,20
3,2		1323:22	1361:3,7,1	25	1457:10,11
	3:5,14,	1324:17	1,14,19,22	1405:8,13,	,21,24
	20,24	1325:4,10,	,23	16,20,24	1458:9,14,
1	94:5,10,	14	1362:4,5,1	1406:7,10	19,25
1	15,16,2	1327:3,6,1	1,12,16,17	1407:13,14	1459:1,23
1	.295:20	8	,20	,21	1460:6,7,1
1	6:11 <b>,</b> 14	1328:13,14	1363:5,8,1	1408:2,17	8 <b>,</b> 23
	7:1,5,9	,20,23	1,16,20	1411:22,23	1461:5
<b>,</b> ±0	,16,17,	1329:4,9,1	1364:12,20	1412:6,19	1467:1,2,1

FUD MANITO	DA HIDRO GRA	12 17 2012	rage 1303 O.	1 1500
5,21	1503:2,4,8	1400:7	1359:14	1250:4
1468:1,8,1	,9,14,16,2	1412:24	1362:6	1382:5
2,22	4,25	1447:20	1368:21	1405:4,6
1469:4,9	1504:2,4,1		1369:15,21	1508:11
1470:8,15,	1,12,16	<b>plant</b> 1344:1	1370:10	
24	1505:7,15,	1345:11,13	1371:6,12	point-to-
1471:5,14,	17 1506:17	1380:8	1374:11,12	point
17,19	1507:5,13,	1496:20,22	1375:18,20	1326:13
1472:1,6,1	20	plants	1381:19	1327:7,8
0,20	1508:2,6,1	1336:18	1382:10,11	<b>pole</b> 1254:8
1473:4,7,2	3,22,24	1343:24	1389:25	_
1,23,24	1509:5,8,1	1358:3	1390:1	poles
1474:8,13,	2 1510:16		1411:24	1361:25
14,23		<b>play</b> 1415:3	1411:24	1362:7,9
· ·	1511:3,9,1	please	1415:13	policies
1475:3,7,1 3,17,21	0	1285:16	1417:13,19	1383:10
	phenomenon	1373:12	,22,23	1491:11
1476:11,15	1423:21	1374:11	,22,23 1418:18	
· · · · ·	physical	1426:16	1419:6	policy
1477:8,9,1	1310:17	1441:6		1464:18
1478:1,9,1	1322:5	1468:8	1420:15 1421:2	1487:24
5,23			1421:2	political
	<b>pick</b> 1251:6	plotted	1434:1	1352:23
1479:2,3,1 7,18,22,23	1259:9	1282:5	1434:1	<b>C</b> 1404 10
1480:10,15	1319:13	<b>plus</b> 1303:20	1439:4	<b>poof</b> 1494:18
,21	1337:20	1334:9	1443:8	population
1481:6,15,	1442:18	1462:3	1446:8	1378:23
19,25	1485:20	1499:1	1447:25	1470:3
1482:1,19	picked	pluses	1449:20,22	Portage
1483:1,7,2	1298:16	1369:10	1453:18	1242:21
0			1455:17	
1484:7,14,	picture	pocket	1463:6	portfolio
18,23	1284:23	1263:25	1467:3,18,	1320:17
1485:3,10,	1425:13	point	23,24	1357:13
12,19	<b>pie</b> 1455:6	1251:8,21,	1478:22	portion
1486:7,9,1	piece	22 1254:22	1480:5,21	1364:7
0	1484:17	1255:10,13	1481:16	1386:4
1488:11,12	1496:22	,14,20	1483:15	1409:17
,16,17,22,		1256:1,2,8	1484:9,23	1429:7
25	РЈМ	1258:11	1489:21	1432:4
1491:14,15	1321:14,20	1276:10	1498:6	1439:2
,19,21	places	1284:13	1505:19	1454:13
1492:1,6,8	1267:11	1287:8,13	1508:15	1464:1
1493:3,16	1501:13	1292:9		1465:13
1494:4		1294:22	Pointe	1484:13
1498:18,19	planned	1296:2	1249:15	1489:9
1499:21	1307:12	1298:2,9	1409:3,21,	1490:6
1500:12,13	planning	1305:5	23,24	<b>posed</b> 1370:2
,17	1283:17	1315:7	1410:5	posed 1370:2
1501:1,5,1	1398:20,23	1344:11	1412:5	position
0,13,16,19	1400:4	1345:7,9	pointed	1274:12
,21	plans	1349:19	1291:14	1372:13
1502:2,3,1	1390:12	1350:8	points	1375:10
3,14,19,24	1330.12	1351:23	points	1406:4
		1		

F 0D	MANIIODA	I IIIDNO GNA	12 17 2012	rage 1304 O.	1500
142	7:13	1356:8	1410:9	1289:12	1397:3
148		1363:23	1486:20	1359:19	1432:12
	5:16	1364:4		1360:9	1451:25
		1378:22	precisely	1444:16	1453:15
posit		1380:8	1262:24	1445:6	1460:4,23
	5:25	1439:24	1309:22	1455:5	
146	7:9	1440:2,5	predecessor	1485:4	previously
146	9:15	1480:17	1314:4		1350:24
posit	ive	1491:1		presentation	1352:15
125		1493:8	predictable	<b>s</b> 1429:13	1469:17
	7:24	1500:21	1458:1,8	presented	1493:19
		1503:19	predominantl	1387:20	price
-	bility	1509:24	<b>y</b> 1249:14	1448:14	1254:21,23
I -	7:20		1346:12,24		1256:2,15,
148	8:1	1510:2,23, 25	1348:24	president	25
possi	ble			1398:20	1257:3,19,
126	2:14	practice	preferred	1400:16	20 1258:2
	1:8,10	1465:10	1341:6	1401:10	1261:17
	3:18,19	1475:14	preliminary	1402:19,23	1262:5
	5:25	1477:6,7,1	1403:9	1403:8	1263:16
	3:11	3 1488:24		1405:10	1264:16,19
	2:14	1494:3	premised	1406:8	,23,24,25
	3:24	1497:17	1297:6	1441:23	1265:2,3,9
	1:16	practices	1500:7	1443:12	,10
		1375:3	premium	1444:6	1266:16
possi	_	1383:23	1279:17	president's	1267:7
145	/:3	1394:13,15	1394:4	1485:13	1270:10,15
postp	oned	1465:16	prepare		,18 1273:2
139	6:24	1472:15	1271:19	pressure	1275:23
postp	onement	1474:21	1472:25	1309:15	1278:18
	7:21	1482:11		1420:19	1281:12,16
		1483:8	prepared	pressures	1283:25
poten		1495:10	1287:20	1374:6	1285:11
140	6:10	1505:2	1288:5,9,1	1400:24	1286:11
power		<b>pre</b> 1509:19	2,24	1401:3	1293:8,10
125	2:6,8,9	<b>pre</b> 1509:19	1291:16	1420:13	1295:7,11
	3:7,16,	pre-ask	1293:21	presumably	1296:13,22
	1254:10	1245:3	1297:11	1401:25	,24
125	7:7,13	1248:12,20	1301:5		1319:25
126	0:5	<b>,</b> 25	1304:14,15	pretty	1320:4
126	2:6	1249:21,23	1375:21	1264:4	1330:20
	E - 0.1	1369:19	1388:21	1369:4	1331:2
126	5:21				
	6:8,11	1370:1	1424:11	1399:10	1334:12
126			1452:12	1399:10 1427:16,22	1334:12 1337:11
126 126	6:8,11	Pre-asks	1452:12 1480:22		
126 126 128	6:8,11 9:16	<b>Pre-asks</b> 1245:5	1452:12 1480:22 1487:18	1427:16,22	1337:11
126 126 128 130	6:8,11 9:16 3:16	Pre-asks 1245:5 1248:24	1452:12 1480:22 1487:18 preparing	1427:16,22 prevalent 1284:22	1337:11 1340:5 1341:9,16,
126 126 128 130 16	6:8,11 9:16 3:16 2:9,11,	Pre-asks 1245:5 1248:24 1249:7	1452:12 1480:22 1487:18 <b>preparing</b> 1270:19	1427:16,22 prevalent 1284:22 prevent	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5
126 126 128 130 16 132	6:8,11 9:16 3:16 2:9,11,	Pre-asks	1452:12 1480:22 1487:18 preparing	1427:16,22 prevalent 1284:22 prevent 1316:12	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5 1345:5,21
126 128 130 16 132 132	6:8,11 9:16 3:16 2:9,11, 1317:15 1:18 4:3 1:19	Pre-asks 1245:5 1248:24 1249:7	1452:12 1480:22 1487:18 <b>preparing</b> 1270:19	1427:16,22  prevalent	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5 1345:5,21 1346:13,19
126 128 130 16 132 132 133	6:8,11 9:16 3:16 2:9,11, 1317:15 1:18 4:3 1:19 3:20	Pre-asks	1452:12 1480:22 1487:18 <b>preparing</b> 1270:19 1273:12 1303:14	1427:16,22  prevalent     1284:22  prevent     1316:12  previous     1292:14	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5 1345:5,21 1346:13,19
126 128 130 16 132 132 133	6:8,11 9:16 3:16 2:9,11, 1317:15 1:18 4:3 1:19	Pre-asks     1245:5     1248:24     1249:7  precedent     1439:24	1452:12 1480:22 1487:18 <b>preparing</b> 1270:19 1273:12 1303:14 <b>present</b>	1427:16,22  prevalent     1284:22  prevent     1316:12  previous     1292:14     1318:24	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5 1345:5,21 1346:13,19 ,20 1347:12
126 128 130 16 132 132 133 133	6:8,11 9:16 3:16 2:9,11, 1317:15 1:18 4:3 1:19 3:20	Pre-asks	1452:12 1480:22 1487:18 <b>preparing</b> 1270:19 1273:12 1303:14	1427:16,22  prevalent     1284:22  prevent     1316:12  previous     1292:14	1337:11 1340:5 1341:9,16, 17 1342:20 1344:5 1345:5,21 1346:13,19

	IMMI I ODA	I IIIDNO GNA	12 17 2012	rage 1303 OI	1500
1354	1:10,14	1423:17	1398:24	1248:4	1501:7
,16	·	1424:10	1399:9	1367:23	
	5:7,12,	1425:22		1417:6	productivity
	1357:12	1426:25	private	1447:10	1385:4,12,
1365			1386:11	1496:3	14,20
1380		pricing	1434:5	1503:8	1391:13
1394		1265:5	probably		profit
1395		1269:20	1264:4,23	process	1258:11
1425		1292:15,24	1282:13	1249:19	1263:3,14
1436		1298:20	1284:12	1266:13	1266:9,16,
		1342:22	1285:2	1289:18	17
priced	i	1348:13	1306:12	1389:19	
1298	3:10	1352:21	1329:17	1468:7	profitable
prices		<pre>prim 1361:20</pre>	1361:22	1478:7	1257:7
1247		_	1372:25	1481:13	1258:5
1250		primarily	1394:2	processes	1265:21,23
1254		1293:8	1395:24	1387:9	programs
	5:12,19	1341:11	1397:3,7	1390:3	1491:2
,21	· · · ∠ ,	1361:20,22	1398:22	1391:10	1493:8
	5:10,13	1468:20	1405:5	1393:13	1500:21
,16,	·	1471:15	1406:3		1509:24
1257		1490:25	1424:14	processing	1510:2,25
1261		primary	1424:14	1389:19	
1261		1386:14	1427:23	procured	prohibited
	1:8,10	1492:5	1435:24	1332:12	1326:9
1264			1437:9		project
	7:1,15	prime	1438:4	produce	1391:16
1267		1341:11	1444:2	1271:11	1393:5
1209		princ	1455:18	1283:24	1412:9
		1504:23		1331:10	1426:19,20
1271			1482:12	produced	1458:20,24
1277		principal	1493:7	1268:9	1464:21
1278		1433:23	problem	1357:17	1465:21
1279		principle	1336:25	1366:17	
1281		1412:7	1421:23	1374:4	projected
1283		1505:4,13	1429:16		1430:9
	3:10,25		problematic	produces	projecting
1290		principles	1490:6	1268:13	1310:19
1292	-	1474:2,5	1490.0	producing	1429:22
	5:9,17,	1476:2	problems	1261:7	
	1329:15	1490:5	1254:8	1333:20	projection
1335		1504:6,7,1	1377:16	1342:15,24	1422:8
1336		8,24	proceed	1344:19	1430:2
1338		1505:11	1349:6	1358:2	projections
1341		print	1422:22	1365:6	1271:19
	2:6,23	1276:24	1437:8		1286:13,14
1345				product	
1347		prior	proceeding	1261:24	projects
1349		1314:7,11,	1267:10	1354:25	1392:25
1351		15 1425:5	1394:18	1355:15,16	1398:11
	1:3,6,1	priorities	1423:19	production	1409:1,2
	,22,23	1398:19	1442:11	1264:12	1411:25
	5:11,17	1399:17,19	1460:19	1439:2	1424:7,8,2
		±000.±1, , ±0	1	1733.4	_
	5:2,4,1 394:22	priority	proceedings	productive	5 1425:17,19

F 0D	MANTIODA	IIIDNO GNA	12 17 2012	rage 1300 Oi	1300
14	26:23	1274:11	1469:14	1246:3	1392:23
14	27:3,16,	1276:12	1470:24	1282:17,24	
1	1429:6	1279:4	1478:12	1318:9	purchased
1	37:8,13,	1325:22		1442:1	1253:20
1	,22,23	1343:5,8	providers	1499:25	1257:6,13
1	58:14,18	1361:15,18	1362:9		1265:20
1	68:18	1370:21	provides	public	1269:15
		1373:7,12	1337:15	1242:3,20	purchases
prol	iferatio	1374:11	1361:4	1275:20	1250:20
n	1497:5	1374:11		1277:1	1251:2,14
nrom	otion	1377:25	providing	1333:4	1252:15,25
_	02:24		1279:11	1351:8	1256:9
14	02:24	1388:14,20	1353:22	1370:1	1258:2,23
prop	erly	1389:1,7	1433:7	1376:5	
13	90:5	1391:5	province	1377:11	1266:6
	erty	1411:25	1263:24	1381:16,19	1269:10,12
		1424:6	1280:3,9	1384:23	,20
13	95:19	1428:24	The state of the s	1408:9	1272:10
prop	ortion	1429:1	1315:8	1434:17	1302:16
12	59:15	1436:20,24	1384:11,12	1436:10	1355:24
14	95:8	1440:22	1390:20	1440:2	purchasing
		1454:6	1391:3	1443:16	1251:14
	ortional	1461:11	1398:4	1473:4,11,	1254:3
15	<b>y</b> 1464:6	1467:10	1415:8,13	17,20	1262:4
prop	ortional	1468:6	provinces	1478:7	1326:7
ly	1496:15	1472:2	1471:7	1505:5	1378:22
_		1474:14			
	osal	1478:10	provincial	publically	purposes
15	06:20	1485:2	1435:8	1434:17	1255:8
prop	osals	1492:20	1495:24	1472:24	1270:19
	09:8		provision	1473:12,15	1279:3
		provided	1312:19,23	<b>,</b> 20	1283:10
	osed	1246:9	1313:1	publicly	1289:21
	98:10	1249:12	1424:3	1353:4	1330:9
	37:14,15	1276:6		1384:4	1377:6
15	07:15	1277:16	provisions	1304:4	1422:18
prop	osing	1278:19,23	1246:22	published	1427:4
	18:21,25	,24	1313:3,13,	1297:12	1492:19
	38:12	1280:15	20 1380:24	<b>pull</b> 1434:23	1493:12
		1282:20	proxy	1445:8	1497:6
	osition	1283:7	1471:22		1506:10
15	09:9	1304:21	1045 0	purchase	nursua
prot	ect	1349:12,20	<b>PUB</b> 1245:3	1252:2,8,9	<b>pursue</b> 1496:23
14	58:19,23	,22	1248:12,20	1253:1,2,1	1490:23
	05:11	1350:17,23	1314:23	7,24	pursuing
	07:11	1351:15,16	1317:24	1254:9	1387:23
		1369:17	1337:13	1255:19	pushed
_	ecting	1370:5	1398:1	1256:2	1352 <b>:</b> 2
14	59:4	1372:3	1405:2	1257:19	1352:2
prot	ection	1391:15	1440:12	1258:1	1397:1
_	68:17	1424:1	1441:9	1262:6	pushes
		1442:6	1447:9	1266:5,8	1450:11
prov		1447:12	1454:4,6	1269:19	pushing
	47:13,21	1460:19	1463:16	1302:9,11	1311:13
	70:9,12	1468:14	PUB/Manitoba	1326:24	1311:13
1 12	72:7,15		102,114111110000	· · · ·	

OD MANI	TOBA HIDRO GNA	12 17 2012	Fage 1307 01	1300
<b>puts</b> 1323:5	5 1454:6	1498:2	15	22
1325:2	1456:16	<b>quo</b> 1494:24	1420:15,20	1474:3,10
	1457:25	_	1426:6	18,24
putting	1459:24	1495:16	1431:8,24	1475:2,12
1381:19	1460:4,21	<b>quote</b> 1374:3	1432:11,19	1476:20,2
1398:17	1462:8,20	1492:12	,21 1433:4	1477:5,12
1420:12	1466:2	quoted	1434:13,21	19
	1486:12	1287:2	1435:3,18,	1478:2,6,
Q	1487:1,9	1207.2	23	2,18
qualify	1489:7		1436:13,18	1479:1,8,
1509:22	1503:14	R	<b>,</b> 21	1,24
qualifying	questioning	radically	1440:10,18	1480:1,14
	1250:14	1386:4	<b>,</b> 19 <b>,</b> 25	1481:2,11
1481:10	1392:7	rainfall	1441:7,20	17,21
quantify		1306:4	1442:2,8,1	1482:5,22
1246:10	1419:17		6 <b>,</b> 22	1483:7,23
1307:16,2	1441:22	Rainkie	1443:13	1484:8,12
1308:1	questions	1244:8	1444:1,5,8	20,21
1323:24	1249:17,21	1250:9	,11,14,18,	1485:6
quarter	,23	1293:17,20	23	1486:23
1299:13	1295:21	,22	1445:3,12,	1487:8
	1328:2	1294:1,8,9	16,21,25	1488:12,1
quarterly	1366:1	,14,17,20	1446:2,15	,20,23
1368:20	1367:15	1297:7,8,1	1447:6,13,	1489:12
Quebec	1369:20	3,15,20,23	14,22	1491:7,15
1317:13,1	1370:1	,25 1298:5	1448:7,20,	18,22
1384:6,13	1 1 1 1 0 - 1 5	1299:18,22	23 1449:17	1492:4
19 1394:2		,23 1300:2	1450:5,7	1493:16,2
1471:9	1432:15	1301:3	1453:5,13,	1494:7
1472:4	1467:3	1302:2	16	1495:5
		1358:16,25	1454:2,10,	1496:16
question	quickly	1359:7,18,	18	1498:20
1246:4	1264:4	25	1455:1,4,1	1499:21
1260:20	1301:22	1360:2,6,9	1,25	1500:4,9,
1261:9	1356:25	,10,19	1456:5,10,	5,16,23,2
1282:17,2		1361:6,17,	14,19	1501:3,4,
1309:2	1373:4	21,24	1457:5,11,	2,18,22
1311:22	1444:3	1362:1,10,	14,20,25	1502:1,6,
1313:10	quite	15	1458:5,12,	0,17
1317:8	1248:25	1363:8,12,	23 1459:23	1503:7,10
1318:9	1284:25	15	1460:8,17,	13,23
1328:4	1318:25	1366:9,16	24 1461:3	1504:1,2,
1336:13	1321:13	1370:7	1463:13	,10,14,17
1365:25	1322:17	1373:19	1464:12,25	23
1366:23	1330:23	1374:10	1465:15,18	1505:19,2
1368:18	1340:1	1383:5,18,	<b>,</b> 25	1506:22,2
1390:1,9	1348:17	19	1466:21,25	1507:20
1391:16	1377:7	1385:6,8	1467:3,15	1508:8,12
1392:8	1383:3	1391:7	1468:1,12,	24
1 11 5 00		1400:11	24 1469:3	1509:4,14
1415:23	1.386*/4	1 4 0 4 • 2 5		
1426:15	1386:24 1389:16	1404:25	1470:14,23	Dainhial -
1426:15 1432:12	1389:16	1405:9	14/0:14,23	Rainkie's
1426:15			*	Rainkie's 1287:8 1296:18

PUB - MANITOBA	A HIDNO GNA	12-17-2012	Page 1568 OI	
1371:25	1330:15,25	1492:2	1415:24	1380:20
1397:8	1331:1,7,1	1493:21	1416:6,13	Dati1:
	3,15	1494:9	1423:12	Rationalizat
raise	1349:11	1498:11,24	1425:2,7,9	ion
1298:12	1350:13	1499:2,3,1	1426:21	1408:19
1426:19	1351:17	0,11,15	1428:3,20	Raymond
1504:17	1366:14,17	1500:6	1429:22,23	1242:15
raised	1367:7,12	1503:15	,24	1263:17,22
1359:14	1373:25	1507:17,21	1430:1,3,6	1268:3,14
1393:25	1385:11	,24	,14	1283:9,20
1400:17	1412:24	1508:4,14,	1432:9,13	1310:22
1450:5			1432.9,13	1311:3,9
	1413:2,4,6	16,17,18		1328:3,11
raises	<b>,</b> 12	1509:1,7,9	1435:12,17	1356:13
1457:12	1414:4,22	,21	1437:3	
raising	1415:4,12,	rate-based	1476:7	1357:15,19
1374:12	18,24	1498:24	1487:10,11	,23
	1416:8,11,		,23	1366:22
Ramage	12,19,22	ratepayers	1488:2,4	1370:25
1243:4	1417:1,9,2	1398:4	1489:14	1377:23
1367:24	5	1437:19	1490:2	1380:5,19
1440:13	1418:8,12,	rate-	1497:2,7	1384:1
1511:20	22	regulated	1499:4,5,9	1385:23
range 1246:9	1419:2,7,2	1421:6	1505:6	1387:6
1275:5	0,24	1422:1	1509:21	1389:23
	1420:16,19	1477:21	1510:11	1392:6
1277:14,15	, 22	1480:15,19	rate-setting	1394:16
,17,18	1421:8,12,	1481:10	1421:13	1408:17
1278:4	18,22	1482:20	1492:7,18	1409:7,10,
1279:5	1422:7	1484:13	1493:12	20
1280:15	1423:3	1485:17	1499:7	1410:8,18,
1281:4,7,1	1424:23	1489:2,7,1	1505:9	25
1,14,17,19	1425:4	3,17,19,23		1411:4,15
,20,21	1426:8	1490:22,25	1507:5	1423:9
1282:1,2,2	1434:8		rather	1424:13
0	1435:5,6	1493:22 1494:16	1253:10	1425:16
1283:6,11,	1436:6		1269:4	1426:5,14
15 <b>,</b> 25	1438:14,15	1495:6,8,1	1326:5	1427:6,25
1284:1,3	,16 1442 <b>:</b> 6	4 1496:18	1336:23	1428:18
1311:5	1449:3	1497:15	1426:23	1429:12,20
1355:1	1450:12	1500:19,22	1459:6	1430:5,12
rapid 1449:3	1459:1	,25	1461:7	1431:6,10,
_	1460:11	1501:6,9,2	1464:4	17
rare 1322:21	1464:2	5 1503:6	1494:23	1432:10,17
rarely	1474:25	rates		,20,22
1332:17,22	1475:6,8,2	1247:24	rating	1433:12,19
1334:10,15	3	1268:4	1333:2	1434:2,19
,	1476:12,25	1288:22	<b>ratio</b> 1344:3	1435:2,14,
rate 1242:7	1477:4,9	1296:22	1421:5	21
1268:7,17	1484:11,16	1366:14,24	1427:15	1436:9,16
1293:16	1486:4	1367:6	1428:1,6,1	1438:18
1294:6,7,1	1486:4	1379:14	5 1507:2	1441:5,10
2 1311:25		1386:8	1508:8,10	1450:25
1312:3	1489:10,25	1413:7,25		
1325:20	1490:2,17,	1414:10	rationale	1451:17,21 1452:2,24
	20 1491:25			1402:2,24

1453:11,14	realize	1462:19	1407:6	reconcile
,24	1284:19	1483:18		1466:7
1455:7,22		1486:13	recently	
1457:1	really	1487:10	1377:1	reconciling
1459:14	1284:6,10,	1492:5	1392:19	1466:3
1461:17	20 1326:13	1499:13	1439:19	record
1462:11,19	1342:2	1504:16	1477:23	1248:10
1462:11,19	1364:13		recess	1262:2
1464:8,17	1379:1	reasonable	1327:19	1269:5
	1383:3	1278:5	1329:13	1286:19
1465:12,17	1386:9	1382:13	1365:24	1291:11
,23	1387:11	1479:11	1367:16	
1466:9,23	1392:14	1499:11		1292:3
1486:9,11	1400:8	1507:8	1446:22	1310:5
1487:2	1410:20		1469:10	1333:4
1488:5	1413:19,22	reasonablene	recessing	1351:8
1489:6,21	1424:18	<b>ss</b> 1398:7	1327:24	1359:16
1490:3,16	1425:2,12	reasoning	1367:19	1392:5
1491:4	1427:8	1380:7	1446:24	1436:15
1496:13	1433:10	1434:3		1472:22
1497:22	1455:14,17	1490:7	reclassifica	recorded
1498:15	1462:7		tion	1359:5
1502:4,8	1479:12	reasons	1360:11,15	
re 1242:6		1316:15	1361:1	record's
1301:19	1486:13,16	1332:14	recog	1325:15
	1489:12,16	1377:11	1474:18	recover
1311:18	1493:24	1458:11,15		1334:14
1382:10	1494:14	<b>,</b> 17 1459 <b>:</b> 5	recognition	1422:5
1389:20	1495:5	1469:17	1448:24	1426:9
1390:2	1497:8	1480:19	recognize	1480:13
reach	1505:1	1488:14	1267:5	1489:16
1413:10	1507:4	1507:6,7	1301:21	1506:21
	real-time	1508:22	1385:9	1509:14
reacting	1251:3,7,1	rebuttal	1393:22	
1478:19	5 1256:18			recoverable
readily	1257:4	1373:22	recognized	1311:7
1276:10	1263:4	1482:6	1492:15	recovered
41	1265:5	recall	recognizing	
reading	1345:20	1249:11	1391:24	1414:23 1510:14
1286:24		1250:20	1395:7	1310:14
1357:2	reappears	1288:4	1474:19	recoveries
1358:1	1354:17	1292:20	1479:17	1360:7
ready 1248:3	rearview	1303:25	14/9:1/	1361:4
1358:19	1284:21	1372:11	recollection	recovering
1367:22		1400:21	1372:8	=
1437:21	reason	1403:5	1373:21	1510:11,13
. 1056.00	1266:3	1405:2	1404:9	recovery
real 1256:22	1321:7	1418:11	recommendati	1361:20
1343:6	1323:9	1443:21		1427:20
1350:4	1342:17	1477:20	on 1483:24	1505:25
1351:1	1394:19	1481:3	recommended	1506:17
1356:22	1405:5	1492:23	1483:21	
1401:3	1410:7	1497:11	recommending	recycled
1486:1	1426:4	T T 7 / • T T	- 1	1331:21,22
1487:20	1438:4	recent	1482:8	<b>red</b> 1281:20
			1484:2,3	

PUB - MANITOB	A HIDRO GRA	12-17-2012	Page 15/0 01	1 1 1 0 0
1282:3,8	1402:13	1311:19	register	1506:25
<b>redo</b> 1387:9	1425:21	1322:12	1495:21	reinforce
	1449:24	1339:1	registered	1355:9
reduce	1468:13	1430:16	1496:10	
1252:5,16	1488:24	1431:4		reiterate
1392:15	referenced	1450:18	regular	1485:25
1423:12	1408:6	1452:9	1366:6	relate
reduced	1441:4	1509:22	1408:20	1260:1
1288:9,24	1491:9,11	reflected	1499:11	1284:21
1295:6		1288:13	regulated	1455:2
1296:16	referred	1291:12	1418:22	1501:2
1302:25	1291:15	1292:25	1419:2,8	related
reduces	1377:18	1305:22	1420:17	1249:24
1420:23	1390:15	1309:3	1421:19,22	1250:20
1450:10	1396:4	reflecting	1475:6,24	1274:11
	1399:3 1409:6	1329:12	1476:12	1284:6
reducing	1423:21		1477:1,4,1	1309:2
1363:9	1441:15	reflection	0,15	1350:18
1366:13	1481:5	1361:24	1479:4,13	1369:19,2
1390:7	1498:5	1413:24	1480:4	1370:2
1392:9		reflects	1484:11,17	1376:24
1394:6	referring	1291:1	1488:21	1401:10
reduction	1301:13	1318:21	1489:11	1405:3
1406:7	1318:7	1322:9	1490:5,18,	1454:8
1430:17	1388:17	1338:9	20 1492:3	1458:16,1
1508:25	1402:10	1362:6,7	1494:10	,18
reductions	1403:23	1485:21	1496:14	1469 <b>:</b> 15
1247:19	1432:7		1498:23	1475:8
1305:13	1433:20	refusal	regulating	1485:5
1396:4,10	1436:21	1377:10	1474:25	1486:8,18
	1440:18	reg 1490:5		1492:2
re-engineer	1450:14	regard	regulation	1498:4
1387:10,11	1451:1,23	1247:19	1342:13	1501:16,1
re-	1452:1	1364:4	1489:25	1509:10
engineerin	1491:7	1396:11	1490:2	relates
g 1392:10	refers		regulator	1363:22
-	1304:13	regardless	1476:5,6	1488:20
re-	1473:18	1260:11	1489:15	1499:14
estimating	refined	1445:14	1499:1	
1301:19	1461:5	1506:7	regulators	relating
refer		regards	1377:14	1249:14
1310:23	refinements	1490:17	1477:16	1501:11
1404:10	1463:21	regime	1479:5	relation
1411:10,12	reflect	1352:13	1488:13	1317:8
1475:23	1255:5	1552.15	1491:24	1336:14
1491:6	1256:9,10	region		relations
1499:6	1284:14	1320:22	regulatory	1443:16
reference	1287:20	1348:10	1352:23 1476:2	
1288:20	1288:9	regions	1476:2	relationshi
1372:17,25	1291:17	1348:5	1493:21	1295:22
1372:17,23	1292:15		1503:5,8,2	1315:13
1396:25	1305:15,19	Regis	0,21	1316:18,2
	1309:9	1242:14	∪,∠⊥	1317:9

OD MANITO.	BA III DNO GNA .	12 17 2012	rage 13/1 OI	. 1300
1330:19	1405:22	1412:10	1247:22	residents
1467:4			1249:19	1390:25
1484:4	remarks	repay	1274:1	
	1377:19	1433:22	1293:16	resolved
relative	1390:15	repeat	1294:6	1480:7
1247:12	1397:4	1285:16	1311:25	resort
1321:18	remediation		1367:13	1505:10
1333:11	1501:2,4	rephrase	1436:20,22	1506:4,5,
1335:22	1503:19	1457:25	1437:1	
1336:4		replace	1441:8	resorting
1354:23	remember	1434:8	1442:1	1457:22
1375:22	1254:21	1474:1		1499:17
1382:13	1303:17		1471:6	resource
1432:14	1319:10	replacing	1481:13	1256:10
1441:22	1322:16	1420:5	1485:16	1258:13,1
1447:21	1340:6	report	1499:24	,25
1-+1	1349:14	1247:14	requested	1259:4,8
relatively	1374:2	1299:13,15	1437:13	•
1322:20	1419:20	1347:20		1262:10,1
1424:23	1422:11	1387:17,20	requests	1266:7
1504:9		1388:2,10,	1423:4	1283:17
released	remind		1508:16	1326:20
1368:20	1308:19	20,21,25	require	1329:2
	1502:20	1389:8,15,	1408:20	1412:7
relevant	reminder	16 1431:25	1458:7,21,	1445:17
1415:19,22	1402:19	1455:17	25	1454:22
reliability		1463:20	-	resources
1340:8	remobilizing	1464:6,15	required	1320:13
	1459:10	1466:4	1334:2	1329:14
reliable	removal	1470:9,15,	1418:8	1341:25
1337:1	1486:15	19 1491:12	1426:20	1397:14
re-licensed		1497:12,14	1430:3,24	
1357:22	removing	reporting	1479:15	1398:17
1337.22	1385:18,20	1267 <b>:</b> 9	1492:17	1412:1
reluctance	1487:10	1360:8	1493:10	1439:21,2
1377:9	renewable			, 25
1378:8	1320:13,17	1383:7	requirement	1440:1,6
1384:2,8	1357:12	1473:1,5	1244:6	respect
reluctant	135/:12	1474:16	1250:7	1266:25
	renewed	1488:14,19	1508:5	1274:24,2
1376:5	1355:14	1506:10	requirements	1275:1
1377:25		reports	1260:5	1284:11
rely 1274:21	renewing	1266:25	1338:21	1289:12
1463:15	1425:4	1319:22	1340:8,15	1203:12
	rental			
relying	1263:10,21	represent	requires	1292:16
1315:17,18	1268:3,6,1	1386:18	1430:21	1351:8
remain	7 1363:6	1442:5,14	resale	1368:19
1307:3		representati	1266:9	1376:6
1488:3	rentals	on 1379:25	1200:9	1386:8
	1264:1	011 13/9:23	research	1408:5
remained	1363:16	representati	1328:15	1413:8
1322:6	rents 1363:3	ons	1374:10	1422:7
remains		1484:19		1442:7
1341:14	repair		reservoir	1493:21
1041:14	1310:17	request	1265:12	ma are a ti
				respecting

1372:4		12-17-2012	Page 15/2 01	1500
10/2.4	1309:18,22	1431:2,11	1286:12,14	1447:19
	1310:11	1432:23,24	1288:10,25	
respond	1329:14	1433:5,9,1	1300:21	revisit
1368:18	1344:8	4,18,25	1301:7,15	1488:7
1436:21	1356:11	1434:6,18	1302:15,24	<b>ride</b> 1370:8
1440:14	1379:10	1486:2,3	1355:18	right-hand
responded	1383:15	1494:18	1358:23	1251:19
1294:12	1388:21	1500:6,10,	1359:3,4,8	1347:9
1370:3	1459:9	14	<b>,</b> 9	1347:3
responding	1492:13	1505:20,22	1360:11,16	1442:4,21
1415:23	resulted	1507:6,8,1	<b>,</b> 17	
	1322:18	2	1366:25	rights
response	1443:22	1508:7,22	1419:22	1323:23,25
1247:16	1468:20	1509:19	1422:20,25	1324:1,2
1303:23		RETIRES	1423:2	1325:8
1320:16	resulting	1512:4	1424:22	1327:15
1389:2,11	1338:22		1426:11	rigour
1441:8,25	1357:13	retooling	1427:21	1383:22
1454:5	1468:16	1319:23	1473:14	risk 1292:4
1499:24	results	return	1489:25	1323:6
responses	1290:8	1446:22	1490:9,17,	1324:15
1245:5	1309:9,15	1498:24	20,21	1325:3
1248:12,20	1340:4	1499:2	1491:3	1329:22
,24 1249:7	1353:10	1508:17	1498:25	1342:12,20
1329:1	1354:4,8	100.0	reverse	,21 1405:3
responsibili	1358:9	rev 1260:8	1421:15	1424:1,2,6
ties	1368:19	1277:1	1507:16	1427:8,17
1316:14	1376:6	revenue		·
	1380:1	1244:6	reverses	risks
responsibili	1383:10,21	1250:7	1506:2	1329:22
<b>ty</b> 1315:23	1403:4	1259:10	review	1413:12
1316:1	1404:6	1263:1	1247:17	1427:23
rest 1483:13	1442:14	1267:5	1345:15	1428:8,25
	resume	1284:10	1373:16	1429:1
restore		1286:9,13,	1074 14 17	
4=00.44	1367.23.24		1374:14,17	River
1508:14	1367:23,24	22 1290:3	1375:1	<b>River</b> 1362:22
1508:14 1509:19	Resumed	22 1290:3 1298:12,23	1375:1 1387:15,17	1362:22
	<b>Resumed</b> 1244:6,7,8	22 1290:3 1298:12,23 1302:9,10	1375:1 1387:15,17 1388:5,15	1362:22 role
1509:19	Resumed 1244:6,7,8	22 1290:3 1298:12,23 1302:9,10 1305:13	1375:1 1387:15,17 1388:5,15 1389:3,12	1362:22 role 1332:15,16
1509:19 restrict 1386:16	Resumed 1244:6,7,8 ,9 1250:7,8,9	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9	1362:22 role
1509:19 restrict 1386:16 restriction	Resumed 1244:6,7,8	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14,	1362:22 role 1332:15,16 roll 1267:7
1509:19  restrict  1386:16  restriction  1405:21	Resumed 1244:6,7,8 ,9 1250:7,8,9	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3	1362:22 role 1332:15,16 roll 1267:7 rolling
1509:19  restrict  1386:16  restriction  1405:21  1406:4	Resumed 1244:6,7,8 ,9 1250:7,8,9 ,10	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14,	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions	Resumed 1244:6,7,8 ,9 1250:7,8,9 ,10 resuming	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14,	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18	Resumed     1244:6,7,8     ,9     1250:7,8,9     ,10  resuming     1327:25	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming  1327:25 1367:20 1446:25	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24  restructure  1386:5	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21 1420:18,23	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19  rough 1460:4
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24  restructure  1386:5  result	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21 1420:18,23 1422:4	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15 1499:8	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing 1250:15	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19  rough 1460:4  roughly
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24  restructure  1386:5  result  1257:21	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21 1420:18,23 1422:4 1428:12,14	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15 1499:8  revenues 1252:2,5,1 6 1257:21	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing 1250:15 reviews 1376:6	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19  rough 1460:4  roughly     1446:15
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24  restructure  1386:5  result  1257:21  1300:22	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21 1420:18,23 1422:4 1428:12,14 ,16	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15 1499:8  revenues 1252:2,5,1 6 1257:21 1267:3,14	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing 1250:15 reviews 1376:6 revised	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19  rough 1460:4  roughly
1509:19  restrict  1386:16  restriction  1405:21  1406:4  restrictions  1329:18  1402:24  restructure  1386:5  result  1257:21	Resumed  1244:6,7,8 ,9 1250:7,8,9 ,10  resuming 1327:25 1367:20 1446:25  retained 1418:21 1420:18,23 1422:4 1428:12,14	22 1290:3 1298:12,23 1302:9,10 1305:13 1310:18 1312:17 1359:12,21 ,23 1360:7,14, 23 1364:14 1367:10 1422:15 1499:8  revenues 1252:2,5,1 6 1257:21	1375:1 1387:15,17 1388:5,15 1389:3,12 1395:9 1399:7,14, 16 1400:3 1405:4,7 reviewed 1373:17 reviewing 1250:15 reviews 1376:6	1362:22  role     1332:15,16  roll 1267:7  rolling     1386:23  rolls     1267:11  room 1367:16     1511:19  rough 1460:4  roughly     1446:15

PUB - MANITUE	DA NIDRO GRA	12-17-2012	Page 15/3 01	1300
1282:17 <b>,</b> 25	1257:20	1320:10	1406:24	select
1318:9	1260:8	1423:24	1418:12	1482:17
1379:10	1439:12,19	1483:11	1428:21	
1440:13	,22	l-bl-	1453:3	self-
1441:8	1440:2,3	scalable	1468:5	sufficient
1442:1	1490:21	1247:10	1480:25	1357:2
1454:6		1335:19	1481:5	<b>sell</b> 1255:3
1462:8	sales	1336:3	1487:1	1257:1
1499:25	1250:19,23	scenar		1261:18,22
	,24 1251:7	1422:18	Secondly	1262:20,22
row 1287:12	1252:2,19,	scenario	1367:8	1263:15
1322:23	22		section	1265:11
Royal 1441:2	1255:12,21	1277:10,16	1434:24	1316:3
<b>rule</b> 1380:14	, 24	1421:3	1468:2	1322:25
	1256:13,15	1507:3	1497:14	1324:10
1493:20,24	,16,17,19,	scenarios		1325:25
1494:3,5	20 1265:20	1422:19	sector	1345:20
<b>run</b> 1252:8	1285:9	scene	1378:11,13	1364:9
1253:12	1286:25	1347:11	1434:5	1434:8
1270:16	1289:16	1347:11	1473:4,6,1	1439:9
1332:22	1292:7	scenes	1,17	
1333:25	1296:23	1484:23	sectors	selling
1334:2	1314:16	schedule	1378:1	1251:20
1336:24	1334:15	1446:6	securities	1252:12
1339:16	1425:25	1448:10		1256:24
1344:19	1439:23	1450:24	1495:22,24	1257:6
1508:2	1489:9,18,	1452:11,13	1496:6,11	1321:9,14,
running	22,23	1456:22	seeing	23,24
1333:9	1490:15	1457:21	1267:14,15	1438:25
1336:23	salvage		1295:8	1440:5
1339:22,23	1486:15	schedules	1366:14	sells
	1487:9	1510:21	1449:12	1317:19
runs 1332:18	1488:3	scheme	1451:3	<b>send</b> 1459:7
	1495:11	1367:3	seek 1478:8	<b>Sena</b> 1439:7
S	Saskatchewan	1386:17		sending
<b>sa</b> 1251:21	1362:23,24	Scotiabank	seeking	1348:9
	,25 1363:2	1441:2	1294:7	1355:10
<b>sake</b> 1509:25	1472:3,7	1441;2	<b>seem</b> 1430:23	sends
<b>sal</b> 1488:2		Scott	seems	1402:19
1	SaskPower	1377:18	1305:14	
salaries	1362:21	searching	1357:25	senior
1406:11,14	1363:3	1468:2	1380:20	1401:7
1442:19	1382:17		1425:6	sense
1457:16	<b>sat</b> 1384:19	season		1290:18
1460:1		1461:25	<b>seen</b> 1309:12	1433:24
1464:10	satisfied	second	1319:21	1438:19
1465:13	1377:4	1246:4	1354:14	1448:10
1467:5	1382:10	1282:17,24	1356:15	1462:5
salary	<b>save</b> 1332:3	1299:13	1383:6	1489:24
1470:16	savings	1302:25	1464:19,20	1510:15
<b>sale</b> 1250:15	1332:19	1318:9	1493:19	sensitive
1252:14,17	1332:19	1337:18	sees 1280:11	1274:10
	TAOT:TO			14.10
1253:21	<b>saw</b> 1306:3	1374:24	1360:7	sensitivitie

<b>s</b> 1278:5	1440:2	four	shared	1292:9
	1451:3	1453:22	1378:6	1350:4
sensitivity	1452:9,19		-hh-1-d	shown
1277:20	1453:7,9,2	seventeen	shareholder	1277 <b>:</b> 15
sentence	1 1458:20	1455:8	1326:4	1281:24
1374:25	1499:7	1461:23	shares	
20m2m2t2	1505:9	1462:22	1353:3	1294:25
separate		1463:7	sharing	1295:18
	services	1466:11	1361:25	1312:1
1475:25	1361:5,15,	seventh		1315:8,16
September	18 1390:5	1295:4	1381:3	1339:9
1299:14	1391:5	aaan	1384:23	1350:1
1478:17	1400:5	seventy	<b>sheet</b> 1445:8	1359:1
1481:7,13	serving	1354:24	1475:25	1460:24
sequence	1252:16	1390:19	1494:10	1503:11
1283:17	1315:20,24	1463:10	1499:20	shows
1283:17	1470:2	seventy-	1503:12	1253:23
series		eight	shifted	1258:3
1392:24	sets 1346:12	1253:23		1285:6
serious	1348:22	1461:21	1297:25	1296:21
1415:16	1473:19	1463:8,19	shipped	1306:14
1413:10	1505:10,13	1464:3	1363:1	1319:7
serve	1506:6		Shock	1350:3
1252:14	setting	seventy-six	1423:20	1363:3
1253:13,16	1264:16	1253:24	1423:20	1364:19
1254:10	1265:9	several	<b>short</b> 1254:2	1373:1
1315:17	1345:20	1270:10	1256:19	1392:5
1316:9	1346:20	1281:6	1270:16	1456:2
1326:20	1367:6,7	1399:11	1273:9	1502:22
1378:24	1491:25	1428:19	1327:9	
1439:6,22	1499:3,15		1414:12	<b>shut</b> 1329:20
serves		severe	1420:23	<b>sic</b> 1301:22
1321:12	settlement	1376:7	1471:21	1398:8
	1363:22	<b>sha</b> 1326:3	shortly	1476 16
service	1498:9	shade	1428:21	<b>sign</b> 1476:10
1286:6	settlements	1276:15		signal
1314:13	1467:17		short-run	1348:10,13
1323:4,5		shaded	1262:23	signed
1324:9,13,	seven	1276:5,8,2	short-term	=
15,24	1264:22	2	1256:16	1439:19
1325:1,20,	1281:18	1277:7,10	1257:2	1476:3
22,24	1330:15	1278:16	1263:7	significance
1326:9,12,	1331:7,8	1281:4	1355:13,20	1495:3
13,19,22	1345:7,9	1283:20,21	1414:15,18	significant
1327:11	1350:13,14	1315:2	1429:16	1266:22
1333:17	1354:21	<b>share</b> 1259:9	1435:5	
1355:3	1411:19		1496:12	1306:4
1362:8	1417:22	1274:5	1430:17	1355:2,17
1389:21	1451:4,15,	1376:5	showed	1378:25
1390:6,17	22	1377:10	1306:2	1390:4
1392:9,11	1452:4,25	1381:6,11,	1372:13	1397:13,14
1409:17,18	1453:18	12	1401:25	1419:21
1421:13	1463:6	1384:3,20	1455:6	1422:14
1422:12	seven-five-	1398:12	showing	1437:10
			SHOWING	1447:22

1467:9	PUB = MANITUBA	A HIDRO GRA	12-17-2012	Page 15/5 01	1 1 3 0 0
1479:25	1467.9	1276•13.21	1290.9	slowly	1359.6.10
1486:1				_	
1498:2					
Significant   1313:16   1345:7   1369:18   1334:4   1332:1,2   1314:24   1350:4   1393:18,19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1421:19   1320:12   1320:12   1421:19   1320:12   1320:12   1421:19   1320:12   1320:12   1421:19   1320:12   1320:12   1421:19   1320:12   1320:12   1421:10   1332:10   1332:10   1332:10   1332:10   1343:15   1332:10   1343:15   1343:12   1441:18   1441:10   1350:19   1440:14   1500:21   1400:14   1400:14   1400:15   1333:14   11   1333:14   11   1300:12   1400:14   1400:14   1400:14   1400:15   1333:14   11   1400:15   1333:14   11   1400:15   1330:14   1400:14   1300:12   1400:14   1400:14   1300:12   1400:14   1400:14   1300:12   1400:14   1400:14   1300:12   1400:14   1400:14   1300:12   1400:14   1400:14   1300:15   1300:14   1400:14   1300:15   1300:14   1400:15   1300:14   1400:15   1300:16   1300:18   1300:19   1300:18   1300:18   1300:19   1300:18   1300:18   1300:18	1490:2			<b>small</b> 1358:3	1309:10
Y 12/12/4   1314:24   1350:4   1359:18   1339:18, 19   1320:22   1315:1   1315:2   1315:2   1317:1   1356:19   1320:22   1317:1   1356:19   1320:22   1317:1   1346:12   1347:15, 23   1462:21   1491:1   1343:25   1317:1   1346:12   1347:15, 23   1462:21   1491:1   1370:20   1401:10   1350:19   1320:22   1491:1   1370:20   1404:14   1364:24   1366:1   1366:1	significantl			1367:8,10	sooner
143211,5   1315:2   1356:19   1421:19   1320:22   1431:17   1356:19   1421:19   1320:22   1441:18   1494:13   1332:10   1432:15   1313:1   1346:24   1461:21   1480:17   1370:20   1401:10   1350:19   1423:13,15   1356:19   1356:18   1436:24   1461:21   1480:17   1370:20   1401:10   1350:19   1423:13,15   1351:19,17   1358:18,20   1436:4   1436:4   1436:4   1436:4   1436:4   1436:4   1436:4   1436:4   1436:4   1436:12   1330:16,23   1333:12   1324:5   1332:9,10   1403:24   1456:18   1333:10   1493:20   1446:11   1499:9   1460:19   1460:18   1333:3   1333:3   1333:3   1333:3   1333:4   1461:11   1487:1   1333:4   1461:11   1499:9   1460:19	<b>y</b> 1272:4			1369:18	1334:4
1423:5         1317:1         1356:19         1421:19         1320:22           similar         1322:21         1411:18         1494:13         1332:10           1279:5         1345:15         1453:2,18         1494:13         1343:25           1313:1         1346:24         1461:21         1480:17         1364:23           1317:10         1350:19         1350:19         1491:1         1370:20           1401:10         1350:19         145:21         1491:1         1370:20           1401:10         1350:19         145:21         1491:1         1370:20           1424:8         1358:18,20         145:21         1500:21         1406:18           1436:4         ,24         1358:18,20         1455:21         1500:21         1406:18           1330:16,23         1373:12         1324:5         25         1432:15           1330:16,23         1373:12         1324:5         25         1456:18           1333:10,0         1403:24         1302:22         145:10:2,23,1466:19           1247:8         sit 1297:1         1384:13         1499:9         1503:14,17           1333:4,16         146:11         1385:25         sold 1295:9         sorting <t< td=""><td>1332:1,2</td><td></td><td></td><td>1393:18,19</td><td>sorry 129/.1</td></t<>	1332:1,2			1393:18,19	sorry 129/.1
1426:12   1318:15   1402:18   1494:13   1332:10	1423:5			1421:19	_
Similar	1426:12			ama11am	
1279:5	.:				
1313:1				1494:13	
1317:10			· ·	Smart	
1401:10				1480:17	
1423:13,15			1462:21	1491:1	
1423:13,15   1351:9,17   eight   1500:21   1404:14   1406:18   1436:4   .24   1362:14,19   1332:9,10,   1333:3   1384:13   1333:3   1384:13   1335:4,16   1408:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1366:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:11   188:14   188:14   188:25   186:11   1224:18   1339:10   1503:17,19   1361:1   1460:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:19   1385:25   1484:24   1488:13   1336:11   1424:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:18   1466:19   1366:21   1466:19   1366:21   1466:10   1466:20   1466:20   1466:20   1466:20   1476:21   1330:21   1466:20   1479:10,12   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1330:21   1348:15   1346:19   1330:12   1330:21			six-seven-	1493:8	
1424:8     1358:18,20     1455:21     1503:19     1406:18       simple     1362:14,19     sixteen     1510:2,23,     1434:22       1330:16,23     1373:12     1324:5     25     1460:18       13133:29,10,     1403:24     1302:22     smooth     1470:1       131334:20     1435:21     1333:10     1429:9     1503:14,17       simple-cycle     1247:8     1333:10     1449:9     1503:14,17       1333:3     sit 1297:1     sixty-five     smoothing     sort 1383:17       1333:4,16     148:14     1385:25     sold 1295:9     sorting       1460:18     146:11     1385:25     sold 1295:9     sorting       1464:5     site 1501:1     1503:19     1324:3     sorts       1339:10     150:177,19     1386:1     1342:2     14480:14       1300:15     sitting     1385:25     1364:11     sought       1360:1     1424:18     1290:16     1364:11     sought       130:17,15     1424:18     1385:25     1485:1     solicitation       136:11     1424:18     1356:18     sixty-three     solicitation       130:12     1356:18     size 1266:22     1485:1     1260:21       1446:10     1383:16     128:11	· ·		eight		
1436:4         ,24         1362:14,19         sixteen         1509:24         1432:15           simple         1362:14,19         sixteen         1509:24         1434:12           1330:16,23         1396:15         sixty         1400:22         smooth         1470:1           13 1334:20         1435:18         1302:22         smooth         1470:1         1487:1           simple-cycle         1493:20         1446:11         1499:9         1503:14,17         1390:2           1333:3         1384:13         1331:4,11         1499:9         sort 1383:17         1390:2           simplistic         1430:12         sixty-five         1323:21         1483:19         sorting           simply         1467:11         sixty-one         1323:21         1483:19         sorts           simply         1503:19         sixty-seven         1386:1         136:11         142:18         132:21         1483:19           1339:10         sites         sixty-seven         1386:1         1442:16         soldier         1413:9           1330:15         sitting         1385:25         soldier         1484:24         1260:21           1430:18         1406:5         1465:13         size 1266:22         <			_		
simple         1362:14,19         sixteen         1510:2,23, 25, 146:11         1434:22         1434:22         1434:22         1436:15         1460:9         1460:1         1460:9         1470:1         1460:9         1470:1         1460:9         1470:1         1460:9         1470:1         1460:9         1470:1<	1436:4				
1330:16,23	simple	1362:14,19			
1332:9,10,   1396:15	_	1373:12	1324:5		
1403:24		1396:15	sixtv		
simple-cycle         1456:18         1333:10         1421:13,14         1487:1         1497:9         1503:14,17           1247:8         1333:3         sit 1297:1         sixty-five         moothing         sort 1383:17           1335:4,16         1384:13         1331:4,11         1497:7         1390:2           simplistic         1430:12         1385:25         sold 1295:9         sorting           1460:18         1467:11         sixty-one         1323:21         1483:19           1464:5         site 1501:1         1285:13,20         1324:3         sorts           1274:18         sites         1285:13,20         1354:25         1480:14           1296:15         sites         1386:1         1364:11         sought           1339:10         sitting         1385:25         1484:24         1413:9           1360:15         sitting         1385:25         1484:24         1415:5           1361:1         1424:18         1356:18         size 1266:22         1485:1         1260:21           1430:18         1356:18         situation         1318:21         1249:5,7         1340:19,20           1466:10         1393:16         1282:11         somebody         ,21 1341:7 <t< td=""><td></td><td>1403:24</td><td></td><td></td><td>1470:1</td></t<>		1403:24			1470:1
1493:20		1456:18		· ·	
1247:8		1493:20		1499:9	1503:14,17
1333:3		ai+ 1207.1		smoothing	sort 1383·17
1335:4,16				-	
simplistic         1430:12         1388:25         sold at 1323:21         1483:19           1460:18         1467:11         sixty-one         1323:21         1483:19           1464:5         site 1501:1         1290:16         1324:3         sorts           simply         1503:19         sixty-seven         Soldier         1480:14           1296:15         sites         1386:1         1242:16         sought           1339:10         1501:17,19         sixty-three         solicitation         1413:9           1360:15         sitting         1385:25         solicitation         source           1361:1         1424:18         size 1266:22         1485:1         1260:21           1406:5         1465:13         size 1266:22         1485:1         1261:6           1430:18         1356:18         situation         1496:5,7         1340:19,20           1448:13         1373:20         sketch         somebody         ,21 1341:7           1466:10         1415:19,22         1457:8         someone         1439:5           1495:15         17         slip         1392:19         1469:25           single         1494:12,13         1507:17,19         slope         1289:17	1335:4,16				
1460:18         1467:11         sixty-one         1324:3         1324:3         1324:3         1324:3         1324:3         1354:25         1480:14         1480:14         sorts         1480:14         1480:14         sorts         1280:16         1354:25         1364:11         sorts         1480:14         sorts         1480:14         1480:14         sought         1413:9         1413:9         1413:9         1413:9         1413:9         1415:5         1413:9         1415:5         1415:15         1416:12         1410:2,20         1416:5,7         1340:19,20         1416:12         1416:12         1346:18         1415:15         1340:19,20         1416:12         1341:7         1346:8         1345:19,20         1415:15         1346:8         1346:8         1415:15         1346:8         1346:8         1415:15         1346:8         1415:15         1346:8         1415:15	simplistic		1385:25		_
1464:5         site 1501:1         1285:13,20         1354:25         1364:11         1480:14           simply         1503:19         sixty-seven         1364:11         1480:14           1274:18         sites         1386:1         Soldier         1413:9           1339:10         sites         1386:1         1242:16         sought           1360:15         sitting         1385:25         solicitation         1415:5           1361:1         1424:18         size 1266:22         1484:24         1260:21           1406:5         146:10         145:13         size 1266:22         1485:1         1261:6           1430:18         1356:18         situation         1496:5,7         1340:19,20           1448:13         1373:20         sketch         somebody         ,21 1341:7           1466:10         1393:16         skills         1415:15         1346:8           1486:20         1479:10,12         sip         1392:19         1469:25           1330:21         1507:17,19         slope         1289:17         sources           1332:7         1334:20         1382:19,23         1412:16         1259:14           1330:12         six 1255:13         1264:21         slow	_		sixtv-one		1483:19
simply         site 1501:1         1290:16         1354:25         1480:14           1274:18         sites         1364:11         sought           1296:15         sites         1386:1         1242:16         1413:9           1339:10         1501:17,19         sixty-three         1242:16         1415:5           1360:15         sitting         1385:25         solicitation         1426:21           1406:5         1465:13         size 1266:22         1485:1         1261:6           1430:18         1356:18         situation         1410:2,20         1496:5,7         1340:19,20           1448:13         1373:20         sketch         somebody         ,21 1341:7         1341:7           1466:10         1393:16         skills         1415:15         1346:8           1495:15         1479:10,12         1457:8         someone         1439:5           1330:21         1507:17,19         slope         1289:17         sources           1334:20         1348:15         slotted         1486:18         1318:13           1331:2         1348:15         slotted         1278:19         1357:1           1330:12         1348:15         slow 1478:2         1278:19         1361:		140/:11			sorts
simply         1503:19         sixty-seven         1364:11           1274:18         sites         1386:1         1342:16         1413:9           1339:10         1501:17,19         sixty-three         1242:16         1415:5           1360:15         sitting         1385:25         solicitation         1484:24         source           1361:1         1424:18         1356:18         size 1266:22         1485:1         1260:21         1260:21           1430:18         1455:13         situation         1318:21         1290:21         1261:6         1260:21         1261:6         1260:21		<b>site</b> 1501:1			
1296:15         sites         1386:1         1386:1         1242:16         1413:9           1339:10         1501:17,19         sixty-three         1242:16         1415:5           1360:15         sitting         1385:25         solicitation         1484:24         1260:21           1406:5         1465:13         size 1266:22         1485:1         1261:6         1261:6           1430:18         1356:18         sixty-three         1384:21         1261:6         1261:6           1430:18         1356:18         sixty-three         1485:1         1261:6         1261:6           1430:18         1356:18         sixty-three         130:12         130:12         1261:6         1261:1         1261:6         1261:6         1261:6 <td></td> <td>1503:19</td> <td></td> <td>1364:11</td> <td></td>		1503:19		1364:11	
1296:15		citos		Soldier	=
1339:10         sitting         1385:25         solicitation         1415:5           1361:1         1424:18         1424:18         1484:24         1260:21           1406:5         1465:13         size 1266:22         1485:1         1261:6           1421:7,15         situation         1318:21         1261:6           1430:18         1356:18         1373:20         sketch         1496:5,7         1340:19,20           1448:13         1373:20         sketch         somebody         ,21 1341:7         1343:20           1466:10         1393:16         skills         1415:15         1346:8           1495:15         1479:10,12         1457:8         someone         1439:5           1330:21         1507:17,19         slope         1289:17         sources           1332:7         1348:15         slope         1289:17         sources           1334:20         1348:15         slotted         1486:18         1318:13           single-cycle         1348:15         slow 1478:2         somewhere         1343:1           1361:8         1264:21         slow 1478:2         1361:8			1386:1		
1360:15		1301:17,19	sixtv-three		1415:5
1361:1       1424:18       1406:5       1465:13       size 1266:22       1485:1       1260:21         1421:7,15       1430:18       1356:18       1410:2,20       1496:5,7       1340:19,20         1448:13       1373:20       sketch       1282:11       1284:13       1343:20         1461:12       1393:16       skills       1415:15       1346:8         1486:20       1479:10,12       1479:10,12       1479:10,12       1439:5         1330:21       130:21       1507:17,19       slope       1289:17       sources         1332:7       1348:15       slotted       1486:18       1318:13         single-cycle       1330:12       six 1255:13       1412:12       somewhere       1343:1         1330:12       six 1255:13       1264:21       slow 1478:2       1278:19       1361:8	1360:15	sitting	_		source
1406:5     1465:13     size 1266:22     1485:1     1261:6       1421:7,15     situation     1318:21     solution     1320:2       1448:13     1373:20     sketch     1282:11     somebody     ,21 1341:7       1461:12     1393:16     skills     1415:15     1346:8       1486:20     1479:10,12     1479:10,12     1479:10,12     1392:19     1469:25       1330:21     130:21     1507:17,19     slope     1289:17     sources       1332:7     situations     1382:19,23     1412:16     1259:14       1334:20     six 1255:13     1412:12     somewhere     1343:1       1330:12     six 1255:13     1264:21     slow 1478:2     1278:19     1361:8	1361:1	1424:18			1260:21
1421:7,15       1430:18       1356:18       1440:2,20       1496:5,7       1340:19,20         1448:13       1373:20       sketch       1282:11       1284:13       1343:20         1461:12       1393:16       1415:19,22       1457:8       somebody       1346:8         1486:20       1479:10,12       1457:8       someone       1439:5         1495:15       1479:10,12       1507:17,19       slip       1392:19       1469:25         1330:21       1507:17,19       slope       1289:17       sources         1334:20       1348:15       slotted       1486:18       1318:13         single-cycle       1330:12       six 1255:13       1412:12       somewhere       1343:1         130:12       six 1255:13       1264:21       slow 1478:2       1278:19       1361:8		1465:13		1485:1	
1430:18     1356:18     1410:2,20     1496:5,7     1340:19,20       1448:13     1453:22     1373:20     sketch     ,21 1341:7       1461:12     1384:16     1282:11     1284:13     1343:20       1486:20     1415:19,22     1457:8     somebody     1346:8       1495:15     1479:10,12     skills     1415:15     1346:8       1330:21     1494:12,13     1273:19,20     someone     1439:5       1330:21     1507:17,19     slope     1289:17     sources       1334:20     1348:15     1382:19,23     1412:16     1259:14       1334:20     1348:15     slotted     1412:12     somewhere     1343:1       1330:12     1264:21     slow 1478:2     1278:19     1361:8	1421:7,15	situation		solution	
1448:13       1373:20       sketch       ,21 1341:7         1453:22       1384:16       1282:11       1284:13       1343:20         146:12       1393:16       skills       1415:15       1346:8         1486:20       1479:10,12       someone       1439:5         1495:15       17       slip       1392:19       1469:25         single       1494:12,13       1273:19,20       somewhat       1470:9         1330:21       1507:17,19       slope       1289:17       sources         1332:7       1348:15       slotted       1486:18       1318:13         single-cycle       1348:15       slotted       1412:12       somewhere       1343:1         1330:12       six 1255:13       1264:21       slow 1478:2       1278:19       1361:8	1430:18		1410:2,20	1496:5,7	
1453:22       1384:16       1282:11       1284:13       1343:20         1461:12       1393:16       skills       1415:15       1346:8         1486:20       1415:19,22       1457:8       someone       1439:5         1495:15       17       slip       1392:19       1469:25         single       1494:12,13       1273:19,20       somewhat       1470:9         1330:21       1507:17,19       slope       1289:17       sources         1334:20       1348:15       slotted       1486:18       1318:13         single-cycle       1330:12       1264:21       slow 1478:2       1278:19       1361:8	1448:13		sketch	·	
1461:12       1393:16       1393:16       1393:16       1393:16       1346:8         1486:20       1415:19,22       1457:8       someone       1439:5         1495:15       1479:10,12       1392:19       1439:5         single       1494:12,13       1273:19,20       somewhat       1470:9         1330:21       1507:17,19       slope       1289:17       sources         1334:20       situations       1382:19,23       1412:16       1259:14         1330:12       six 1255:13       1412:12       somewhere       1343:1         1330:12       six 1255:13       1264:21       slow 1478:2       1278:19       1361:8	1453:22				· ·
1466:10       1415:19,22       1457:8       1415:15       1355:2         1486:20       1479:10,12       1479:10,12       1495:15       1499:10 <td>1461:12</td> <td></td> <td></td> <td></td> <td></td>	1461:12				
1486:20       1479:10,12       1457:8       someone       1439:5         1495:15       1,7       slip       1392:19       1469:25         single       1494:12,13       1273:19,20       somewhat       1470:9         1330:21       1507:17,19       slope       1289:17       sources         1334:20       situations       1382:19,23       1412:16       1259:14         single-cycle       1348:15       slotted       1486:18       1318:13         single-cycle       1330:12       1278:19       1357:1         1364:21       slow 1478:2       1278:19       1361:8	1466:10			1415:15	
1495:15     ,17     slip     1392:19     1469:25       single     1494:12,13     1273:19,20     somewhat     1470:9       1330:21     1507:17,19     slope     1289:17     sources       1334:20     situations     1382:19,23     1412:16     1259:14       single-cycle     1348:15     slotted     1486:18     1343:1       1330:12     six 1255:13     1412:12     somewhere     1343:1       1278:19     1357:1       1361:8	1486:20		1457:8	someone	
single       1494:12,13       1273:19,20       somewhat       1470:9         1330:21       1507:17,19       slope       1289:17       sources         1332:7       situations       1382:19,23       1412:16       1259:14         1334:20       1348:15       slotted       1486:18       1318:13         single-cycle       1330:12       1255:13       1412:12       somewhere       1343:1         1300:12       1264:21       slow 1478:2       1278:19       1361:8	1495:15		slip	1392:19	
1330:21       1507:17,19       slope       1289:17       sources         1332:7       situations       1382:19,23       1412:16       1259:14         1334:20       1348:15       slotted       1486:18       1318:13         single-cycle       six 1255:13       1412:12       somewhere       1343:1         1330:12       six 1255:13       1264:21       1278:19       1357:1         1361:8	single		_		
1332:7 1334:20  situations 1382:19,23 1412:16 1259:14 1318:13  single-cycle 1330:12  six 1255:13 1264:21  slow 1478:2 1278:19 1361:8	_		· I		T = 1 O • J
1334:20     situations     1348:15     1486:18     1318:13       single-cycle     six 1255:13     1412:12     somewhere     1343:1       1330:12     1264:21     slow 1478:2     1278:19     1361:8		1307:17,19	_		
single-cycle     six 1255:13     1348:15     slotted     1348:13       1330:12     1264:21     1412:12     somewhere     1343:1       1264:21     1264:21     1278:19     1357:1       1361:8     1361:8	1	situations	1382:19,23		1259:14
1330:12 six 1255:13 1264:21 slow 1478:2 1278:19 1357:1 1361:8	1334:20	1348:15	slotted	1486:18	1318:13
1330:12	single-cycle	eiv 1955.19	1412:12	somewhere	1343:1
1204:21 <b>SIOW</b> 14/8:2 1200.23 1361:8	1330:12			1278:19	1357:1
12/3:13	sir 1250.20		S10W 14/8:2		1361:8
	311 1230.20	12/3:13		-	

	I IIIDNO GNA	12 17 2012		
Southern	1336:21	priced	1473:2,8,1	1431:1
1362:24	1338:20	1355:16	6,18,19	1437:6
1363:2	1340:11	1 1 2 0 1 7	1474:17	1446:14
	1420:1,9	<b>stack</b> 1381:7	1477:16	statements
sovereignty	1448:15	staff	1478:4,19	
1316:12,15	1511:4	1259:24	1479:9	1359:11 1430:23
speak	spent	1366:6	1481:8	1430:23
1259:24	1271:18	1405:25	1482:17	1462:20
1321:6	12/1:10	1406:4,20,	1483:9,22	1462:20
1346:19	spike	22 1407:11	1485:7,16	1476:3,8,1
1367:25	1354:3,5,6	1408:10	1490:11	0 1489:2
1371:21	1356:2	1463:23,24	1491:8	1501:14
1399:10	spikes	1482:8	<b>start</b> 1248:4	
1431:9	1354:11	1483:21	1299:8	states
1477:5	1356:6	1484:1,3	1333:25	1317:20
1481:25		staffing	1333.23	1319:8
speaking	<b>spill</b> 1268:5	1449:5	2 1336:21	1322:1
1263:4	1323:3,6	1454:4	1347:11	1323:8,11,
1287:16	spillage		1384:15	15 1327 <b>:</b> 5
1412:14	1322:18	<b>stage</b> 1291:5	1392:15	1336:23
1426:18	spilling	1417:16	1468:6	1341:7
1427:9	1263:18	staging	1469:22	1426:21
	1203:18	1452:9	1472:22	1495:22
special	spillways		1489:9	1496:11
1276:19	1323:20	stagnant	1494:22	station
specific	<b>spite</b> 1425:8	1281:14		1259:24
1260:15	1486:21	stain	started	1260:1,3,1
1261:6,7		1474:16	1391:25	6
1328:24	<b>split</b> 1330:8	stakeholders	1475:17	1268:10,12
1372:7	spoke	1391:24	starting	1333:18
1376:3,24	1248:13	1392:1	1253:10	1362:22
1379:14	1457:13		1295:12	1380:15
1440:15		stakes	1333:16	1409:12
1447:20	<b>spoken</b> 1484:7	1353:17	1340:3,7	stations
1461:24	1484:/	standard	1370:10	1254:8
1462:23	sponsored	1296:25	1374:12	1309:20
1507:24	1443:16	1395:22,24	1382:10,11	1329:19
1509:9	1444:7	1419:1	1472:8	1342:20
1510:18	<b>spot</b> 1256:10	1478:7	starts	1357:21
specifically	1262:11,12	1479:14	1422:14	1409:12,13
1300:11	1326:1	1482:9,11,	1426:21	•
1313:2	1354:23	14,19,24		statistic
1375:15		1483:3,11,	startup	1461:8
1394:17	spring	19,20	1333:23	1463:23
1411:10	1273:13	1485:1	1337:3	statistics
1500:15	1289:19	standardizin	1339:2,4,9	1285:1
	<b>ss</b> 1281:15	g 1505:2	state	1300:4
specifics	<b>St</b> 1364:5		1413:23,24	1304:20
1353:22	1389:18,24	standards	stated	1305:6
<b>spend</b> 1332:4	1309:10,24	1320:17		1309:8
1336:25	stable	1357:13	1433:23 1492:19	1320:3
spending	1436:5	1419:1	1492:19	1381:23
1334:8	stable-	1472:23	statement	status
1001.0				scacus

	I IIDNO GNA I	12 17 2012	rage 1377 OI	
1494:24	1499:2	subsidiaries	1452:15	support
1495:14,16	strike	1366:19	suggests	1366:6
<b>stay</b> 1343:4	1339:13	1367:2	1347:25	1465:21
1386:23	1404:18,19	subsidiary	1437:17	suppose
1459:8	1405:6	1317:15,17		1343:20
1494:6		<b>,</b> 19	sum	1412:8
	strokes	1366:18	1503:19,21	1415:3
<b>stem</b> 1437:13	1481:12		summarize	1445:4
<b>step</b> 1295:18	stronger	subsidies	1291:13	1483:15
1388:19	1348:3	1320:18	1295:23	1493:25
1511:11	structure	substantial	summary	1506:11
steps	1376:12	1386:3	1265:19	
1389:20	1370:12	1430:17	1389:15	<b>sure</b> 1267:23
1400:13	1412:22	1458:7	1309:13	1277:21
	1420:8,10	substantiall	summed	1286:19
<b>stick</b> 1294:2	1420:3,10	y 1425:2,8	1318:10,12	1291:23
Sticker		<b>y</b> 1423:2,8 1428:20	summer	1297:2
1423:20	struggle		1304:15	1313:9
	1493:24	1457:3	1306:4	1314:23
stock	studies	1463:10	1322:16	1319:15
1479:10	1396:20	success	1455:10	1325:14
<b>stop</b> 1334:13		1389:22	1462:2,9	1339:8
_	studying	successfully	1463:2,4,1	1347:3,19
stopping	1478:5	1499:16	1 1477:22	1372:7
1333:16	subject		·	1373:10,13
1340:4,7	1246:6	successive	supervisory	1375:2
1348:15	1251:10,15	1302:17	1408:11	1377:2
storage	1255:15	sudden	supplier	1386:23
1265:12	1267:23	1394:25	1264:2	1392:17
1348:17	1268:13		1321:21	1393:23
stories	1282:18	suffered	1:	1398:17,21
1392:21	1283:2	1426:7	suppliers	,23,25
	1288:2	sufficient	1264:15,17	1399:2,18
<b>storm</b> 1469:3	1289:1	1359:5	supplies	1400:6
storms	1324:24	1428:7,14	1321:18	1401:7
1458:6	1326:25	1466:24	supply	1413:3
1468:19	1357:24	1486:3	1259:8,13	1418:13
	1359:22	suggest	1260:21	1419:18 1422:24
straight	1406:14,17	1249:2	1261:6	1422:24
1272:9	1427:18	1249:2	1262:8	1429:4
1420:22	1446:19	1262:1	1295:2	1432:19,21
1447:16	1490:2	1299:3	1296:8	1432:19,21
1456:21,22	subscribe	1316:6	1300:4	1436:15,18
straight-	1270:21	1325:17	1307:13	1440:25
time	12/0:21	1367:15	1307:15	1440:25
1470:17	subsequent	1307:13	1320:1	
	1307:4	suggested	1337:1	1460:21 1464:6
strategic	1373:17	1316:16	1341:7	1464:6
1390:11	1411:18	suggesting	1438:6,20	1406:2
1398:20	1422:20	1262:19	1439:4,13	1475:13
1399:7	1450:11		1469:25	
1400:4	subsequently	suggestion	1470:3	1486:25
strict	1444:12	1249:20	11/0.0	1490:21
	1444:17			1494:2

FOB MANITODA	HIDNO GNA	12 17 2012	rage 1370 Oi	1500
1501:13	1348:8,18	1386:16	tariffs	1354:12
1505:15	1363:4	1391:22	1315:15	tens 1323:20
1508:3	1388:2	1395:1	1316:2	tens 1323:20
1509:8	1470:18	1419:23	1327:4	terawatt
surplus		1421:21	tax 1263:24	1318:1
1252:13		1438:2,3	1279:14,19	1319:14,17
1257:1		1439:18	1279:14,19	1320:7,24
1258:14,25	<b>tab</b> 1249:22	1454:21	1343:10	terawatts
1260:11,12	1250:17 1269:24	1455:15	1345:10	1320:8
,14,18,19		1461:22	1352:13,15	
1261:4,7,1	1304:19	1467:17	·	term 1256:20
1,15	1328:4 1337:10,19	1468:19	Taylor	1273:9
1262:3	1349:21	1479:19	1395:18,25	1392:16
1324:10	1358:18,21	1481:4	<b>TD</b> 1441:2	1414:13
1342:25	1408:18	1495:12,19		1432:4
1362:25	1411:13	1497:13	team 1458:21	1438:13
1438:25	1454:4	1503:18	<b>tech</b> 1275:1	1465:9
1439:9,12		talking		1483:19
·	<b>table</b> 1244:1	1271:18	technologies	1509:21
surpluses	1253:23	1311:4	1275:1	termed
1321:16	1269:9	1324:18	technology	1359:9,11
1327:16	1271:15	1325:15	1329:24	terminology
surprise	1295:19	1331:9	1356:18,25	1476:13
1347:20	1320:3	1389:17	telecommunic	14/0:13
1349:5	1328:5	1433:16	ations	terms
	1338:10	1450:9	1361:25	1247:10,11
survive	1340:12	1462:14		1284:2
1495:11	1435:4,7	1469:9	ten 1253:11	1290:2
sustain	tabs	1490:21	1291:15	1292:13
1438:20,21	1248:14,17	1503:14,17	1327:21	1298:20
sustained	1249:16,17		1330:16	1311:16
1473:14		talks	1334:5,8,1	1320:21,22
	tag	1497:14	4 1336:21	1329:1
sustaining	1387:14,15	1500:14	1341:18	1335:20,21
1412:15	taking	1505:2	1371:19	1336:4
switching	1266:4	tank 1363:5	1421:4	1340:10
1432:15	1389:20	target	1422:25	1344:4
1434:22	1391:22	1307:9	1425:3	1345:18
	1400:13	1413:9,10	1430:10,11	1351:12
system	1429:14	1415:20	1456:9	1357:3
1252:6	1460:22	1416:3,9,1	1506:3,21	1373:15
1253:7	talk 1333:22	9 1417:1	1507:2,16,	1377:24
1254:3,8	1370:8	1418:8	18	1379:18
1258:13,15	1394:20		1510:2,13	1380:6,7,1
1259:1	1401:13	targeted	tend 1272:1	1,16
1260:5,11,	1454:21	1406:8	1280:14	1383:1
22 1261:6	1468:16	targets	1385:19	1394:10,17
1262:10	1472:21	1374:20	1420:21	1396:25
1300:4	1496:3	1391:12	1499:10	1401:2
1306:2		1413:15,16	tondono	1402:5
1314:9	talked		tendency 1319:5	1412:2,16
1322:18	1378:18	tariff		1423:10
1323:17	1202.20	1314:13		1428:8
1342:25	1383:20 1385:17	1314.13	tends	1429:21

143					
	80:8	25 1447:18	1491:4	1329:4,12	1432:6
	3:8	1450:19	1497:19	1331:24	1434:10,16
	6:3	1454:17	1498:15	1334:7,10,	1441:14
	51:11	1480:25	1511:9,19,	16 1335:5	1442:16,21
	56:3	1493:5	24	1338:22	·
			24		<b>,</b> 23
	57:22	1506:19	Thanks	1339:16	1443:2,10
	11:8	tested	1367:17	1342:11	1444:14,18
	2:6	1399:14	that's	1343:19,21	,23
	33:2	testify	1255:6	1345:23	1445:1,16,
	86:21	_		1346:15	25
	00:6	1389:23	1259:1,6	1347:3	1447:14,19
	3:24	tests	1260:11	1348:1,17	1449:17
	94:21	1283:17	1264:19	1350:9	1450:23
150	4:17	<b>th</b> 1344:23	1267:6,22	1352:1,4	1452:12
TERRY			1268:11	1356:19	1454:20
12.7	0:23	<b>thank</b> 1248:9	1269:21	1357:13,23	1455:4,18
	1:1,9,1	1249:10,25	1272:19,22	1359:9,21,	1458:14
6	. , . , -	1276:1,21	1274:1	22	1459:16
	2:12,22	1287:13,15	1276:23	1360:8,11	1460:17
ı	3:25	1311:9,21	1277:17	1361:6,21,	1461:3
1	4:3,16,	1313:16	1278:3	22	1463:16
20	110,10,	1316:5	1279:21	1362:5,15,	1464:12,17
1	9:15,21	1328:11	1280:1,20,	20	1465:15,25
ı	80:1,8,1	1335:7	23 1282:8	1363:6,9,1	1469:23
9	, . , .	1336:8	1283:23	1 1364:18	1471:16,18
1	32:7,13,	1345:14	1284:2	1365:15	1472:9,13
21	, , ,	1350:16	1286:8,23	1366:9	1473:4,24
ı	3:12,23	1357:19	1287:3,11	1367:14	1474:14
1	35:4,17,	1360:5	1291:2	1369:12,20	1475:2,3,1
24	, ,	1365:1,22	1293:18	1371:10,19	0
ı	6:8,23	1368:14,25	1294:14,16	1374:10	1476:9,20,
1	7:3,11	1373:13	<b>,</b> 20	1375:19	24 1477:6
	8:7,13,	1374:9	1296:7,17	1379:19	1478:18
21	, ,	1389:5	1297:8,15,	1381:14	1479:1,8,1
ı	9:3,16	1396:15	20	1382:20	8 1480:10
	8:9	1405:8	1298:7,21,	1384:23	1481:2,17
		1411:4	22	1386:13,20	1484:1
test	6 10 16	1420:14	1300:7,16,	1388:24	1487:20
	6:12,16	1434:19	24 1302:5	1394:11	1488:15
1	34:6,9,1	1435:14	1305:4,7,1	1395:8	1489:16
	.285:8	1436:16,22	0,17,18,20	1397:2,7	1491:9
	00:19	1441:10	1307:24	1401:5	1492:5
	2:6,20	1446:17	1310:21	1402:25	1493:3,23
1	3:4,8	1447:1	1312:14	1403:12	1495:25
	5:1,24	1450:3	1315:5,9	1412:15	1497:9
ı	7:23	1452:23	1316:22	1415:6,13	1498:12
	08:5,10,	1453:24	1319:20,22	1420:4,10	1499:13
11	10-4-10	1454:12	,24	1424:22	1500:16,24
	9:4,12	1455:22	1320:3,9,1	1426:4,5,1	1501:25
	0:7	1456:17	2	6	1502:1,15,
	8:10,12	1460:7	1321:3,7,2	1427:18,23	24
,13		1465:17	0,21	1428:2,22	1503:20,21
	7:7,8	1466:24	1324:3,15	1429:20	,23 1505:3
141	9:9,10,	1488:5,8	1326:20,24	1431:19	1506:22

DIGI-TRAN INC. 1-800-663-4915 or 1-403-276-7611 Serving Clients Across Canada

FOB MANITOD	A HIDRO GNA	12 17 2012	rage 1300 0.	1 1000
1507:10	1344:1	1384:20	16,18	1391:21
1508:14,15	1348:3,13	1395:24	1402:12	1399:3,9
,21	1351:14		1405:11	1400:7
1509:17	1353:16	they'll	1408:19	1419:23
1510:22	1356:10	1339:7	1481:9	
1510:22	1362:12,13	1354:19		thoughts
	1363:15,20	1459:8	third-party	1302:1
themselves	1366:18	they're	1361:9	thousand
1496:10	1369:10	1251:14,22	thirteen	1295:1
Theoreticall	1372:25	1253:25	1327:9	1303:10
y 1263:17	1372:23	1259:24	1330:25	1304:8
_	1377:8,15	1262:12	1331:1,3,7	1327:9
theory	· ·	1265:23	1350:12,14	1328:20
1419:18	1380:2	1268:4		1329:5
thereabouts	1381:8	1313:8	thirty	1330:15,16
1466:12	1392:24 1393:2,20	1326:22	1290:8	1334:5,8,1
	· ·	1329:24	1331:8	4 1336:21
thereafter	1394:12,24 1403:21	1329:24	1343:10,17	1446:11
1296:25		1334:12,13	1344:7,8	1451:4,6
there'd	1410:8	1344:23,24	1345:2,3,8	1451:4,6
1298:23	1414:7	1353:15	1355:1	1461:20
1305:2	1420:11	1357:1	1429:24	1462:3,15,
1381:18	1423:18	1358:2	1462:14	21
1433:17	1424:9	1359:9,11,	thirty-five	21
	1427:23	23 1386:22	1331:10	thousands
therefore	1432:1	1390:20,21	1453:2	1266:12
1332:23	1434:24	,22 1393:5		three-five
1392:15	1435:24	1409:14	thirty-four	1453:19
1425:10	1437:11 1445:21	1413:3	1269:3	
1430:17	1445:21	1422:24	thirty-one	throughout
1464:11	1480:14,15	1429:17	1285:11,18	1390:19
there'll	·	1435:18	1290:8	1391:3,14
1407:9	,16,17,18 1482:15	1445:11,17	+h:	1462:25
there's	1486:13	1448:25	thirty-six 1285:11,18	1465:5
1263:18	1492:12	1481:24	· ·	thumb
1264:11	1493:1,11	1482:5	<b>,</b> 25	1380:14
1271:10	1494:20	1483:19	thirty-three	Thursday
1273:10	1495:20	1490:9,11	1338:14	1249:12
1274:3	1495:20	1493:10	thirty-two	
1279:23	1497:4,10,	1498:23	1285:12,19	<b>tied</b> 1412:24
1281:6,7,1	14 1501:24	1501:12	1290:15	tie-lines
9 1290:24	1502:14	1504:9	1295:1	1323:3
1300:4	1503:4		1303:17,18	
1317:2	1505:1	they've	1306:25	till 1317:1
1318:25	1508:4	1271:4	1307:14	timecard
1322:13	1509:9,15	1276:7	1309:23	1465:21
1324:23		1383:11		time-carding
1331:17,21	thermal	1475:5	tho 1281:19	1463:25
,22,23	1337:15,20	1482:23	1324:7	
1333:18,25	1338:9,10,	third 1269:7	1360:11	time-frame
1334:1	14,21	1330:17	1426:1	1406:23
1339:24	1412:8	1348:23	Thomson	timeline
1342:1	1501:17	1349:4	1385:17	1399:6
1343:2,3	they'd	1361:5,12,	1390:15	1000.0
	l .	·		

today	1455:20	1340:3,8	1327:4,11,	1397:10
1297:19	1456:3,5	tran 1324:13	15 1333:17	1410:3
1343:4	1489:23	tran 1324:13	1348:8	1414:15
1393:20	1503:18,21	trans	1363:2,4	1478:2
1395:22		1325:24	1409:5,16	1512:1
1416:14	totally		1410:6,13	
1430:6,19	1356:19	transact	1411:11,17	trying
1430:0,13	1400:6	1317:17	1420:9,12	1261:10
1432:14	1466:2	transaction	1420:3,12	1348:6
1400:23	1486:18	1255:2	1429.11	1355:19,20
today's	touted	1258:5	transport	1401:15
1248:4	1383:13	1262:24	1344:21	1448:14
1415:19,22		1263:2	travel	1449:6
1432:9	towards	1266:14	1386:16	1482:7
1433:8	1269:11	1326:2	1387:10	Tuesday
1474:19	1399:2,18		1402:23	1253:10
	1453:3	transactions		1233:10
tomorrow	tower	1252:4	1405:21	tune-up
1278:14	1392:20	1254:1,15,	1443:5	1334:3
1511:23	1393:25	20 1255:7	treated	turbine
1512:2		1257:22	1500:19	
tonne	1394:4	1262:16	<b></b>	1247:6,8,1
1343:10,18	1395:17,21	1266:8,12	treatment	1 1252:9
1344:2,8	towers	1317:18	1445:18	1330:11,12
1345:3	1393:1	1327:11,13	1494:22	,14
	1394:10	1366:20	tremendous	1331:16,20
top 1250:18			1320:19	,21 1332:5
1255:10	towns 1358:4	TransAlta	1390:24	1334:21
1256:13	Toyota	1384:5		1335:3,4,1
1281:25	1387:8	Transcript	trenching	3,17,21
1333:15		1244:13	1393:14,22	1336:4
1346:18	track		1394:17,21	1343:22
1445:7	1299:15	transfer	1395:5	1356:8
tonia	1399:2	1315:25	trend	1439:8
topic 1486:24	1422:24	1323:13	1319:25	turbines
1480:24	tracking	1362:18	1383:1	1253:11
Toronto	1271:17	transition		1264:17
1392:22	1368:23	1273:16	trending	
total	1369:10	1296:7	1284:5	1330:3,24
1260:10	1373:1		1382:25	1331:6,13,
	1394:8	translate	tried	18
1266:7 1285:9	1399:18	1306:17	1276:12	1332:7,16
	1333.10	1403:13		1333:3
1286:25	tracks	transmission	<b>true</b> 1412:15	1334:6,11
1292:7	1271:13	1314:9,12	1426:5	1344:20
1300:4	trade	1315:15	1480:11	turn 1269:23
1318:14	1263:15	1322:12	truncating	1403:7
1325:4		1323:4,5,1	1274:19	1449:20
1386:19	traders	0,13,16,23		1454:4
1414:17	1266:11		trusting	1460:8
1426:2	trading	1324:9,13,	1315:6	1472:21
1435:9	1314:16	14,18	<b>try</b> 1260:13	1493:17
1444:11	T D T 4 : T D	1325:8,16,	-	
	1325.25	1004	1210.10	1/100•22
1445:17	1325:25	19,24	1319:10	1499:22
	1325:25 1326:10	19,24 1326:6,12, 15,19,24	1319:10 1371:25 1381:10	1499:22 1500:1 1511:11

JD MANIIODA	A HIDNO GNA .	12 17 2012	rage 1302 OI	. 1300
turning	1417:10	1294:6	undertaken	1263:9,11
1316:13	two-point	understand	1375:18	1276:25
turns	1444:20	1261:23	1387:24	1278:18
1337:12		1262:18	1437:23	1290:2,4
	<b>type</b> 1272:6	1330:14	undertaking	1296:22
Twain	1284:1	1340:17	1282:12,16	1331:1
1284:25	1393:7	1355:20,21	,23	1332:18,2
twelve	1471:9	1356:14	1307:20	1334:16
1333:6,12,	1496:18	1380:11	1307:20	1336:14,
13 1337:24	1499:18	1383:9,22	1310:4	1338:22
1350:8	types	1384:2	1311:14	1339:3
1453:23	1271:21	1387:6	1313:8,18	1340:5,1
	1393:4	1405:22	1335:9	1379:11,
twenty	1449:5	1433:12	1336:1,2	1403:12,
1341:19	1496:19	1434:3	1389:7	1404:19,
1343:16		1446:5	1396:9	1406:16
1344:24	typical	1449:1	1436:24	1407:25
1345:9	1271:6	1451:1	1440:10,12	United
1346:21	typically	1463:6		1317:20
1357:3	1289:18	1469:16	undertakings	1323:8,1
1413:3	1471:12	1477:1	1244:4	15 1327:
1414:21		1489:8	1246:1	1336:22
1416:13		1490:3	1247:1	1341:7
1417:8	U	1505:8	1367:25	1495:22
1418:10	ultimately	1303:0	undertook	1495:22
1420:3	1306:9,13,	understandin	1388:23	1490:11
1422:17,20	14 1411:3	g	1395:9	units
1423:1,7	1444:24,25	1271:19,20	1393.9	1253:15
1427:20	1483:17	1280:3	unexpected	1264:18
1428:2	<b>un</b> 1341:19	1295:22,23	1424:22	1333:16
1438:24		1321:4	unfair	1336:17
twenty-five	uncertain	1347:6	1259:6	1340:7
1419:7,12	1309:17	1356:18		1385:13
1463:3	uncertainty	1362:16	unfilled	1391:11
	1480:6	1369:8	1406:6	1401:5
twenty-four	1492:6	1371:17	unfold	1407:10
1327:15	1493:1	1384:7	1352:24	1408:8,1
twenty-nine	1494:21,23	1434:10	1485:24	unknown
1498:8	1495:13	1460:13		
		1482:3	unforeseens	1344:23
twenty-one	uncontrollab	1483:6	1427:11	unless
1337:21	<b>le</b> 1507:9		unfortunatel	1263:15
1338:15,23	underground	understandin	<b>y</b> 1396:1	1307:12
twenty-seven	1393:15	<b>gs</b> 1319:22	1470:25	1326:16
1455:13		understood		1379:24
1462:24	underlined	1272:8,24	uniform	1381:21
	1372:19	1429:12	1378:15	1424:25
twenty-six	underlying		union	1465:20
1463:8,10,	1449:4	undertake	1384:10	1466:9
19 1464:3		1313:12	1408:9	
	underpinned	1335:1		unpreceden
twice	1001.5	1388:14	unions	<b>d</b> 1429:2
	1301:5			
twice 1330:11,13 1331:17	1311:24	1396:3 1436:14	1384:11	unprofitab

		-		
unrelated	1433:11	1500:22	1435:5	1292:12,21
1486:18	usually		1474:22	1293:1,5
unsettle	1270:11		1495:9	1302:15
1484:12		vacancies	1501 <b>:</b> 13	1311:1,6
	<b>utili</b> 1380:2	1406:5	vary	1312:7,12,
unsettled	utilities		1270:23,25	16,25
1484:9,13	1242:3,20	vacant	1271:5,24	1313:7,15
upcoming	1275:18	1405:25	1280:22	1368:1,12,
1402:11	1318:21	1406:4	1303:20	16
update	1321:10	valuable	1457:7	1369:1,12 1370:13
1246:3	1329:19,20	1275:3	varying	1370:13
1282:16,23	1362:3,8	<b>value</b> 1258:4	1272:4	15,21
1285:6,14	1370:1	1260:1,3,1		1372:10,14
1288:5	1373:2	4,17	<b>vast</b> 1256:21	,24
1289:8	1376:4,10,	1261:4,11,	1266:8	1373:5,10,
1349:22	14	15,23	venture	13,18
updated	1377:3,7,1	1278:23	1464:22	1374:15,21
1285:13	0,24 1378:9	1341:10,22	<b>ver</b> 1382:25	1375:8,19,
1285:13	1378:9	1365:7		25 1376:25
1305:11	13/9:3,14, 21 1380:3	1379:8	vernacular	1378:12
1350:23	1381:4	1381:23	1365:10	1380:13,23
1417:14	1382:1,3,1	1397:16	versus	1381:5,14,
1449:23	6,24	1418:23	1331:11	18
1450:18	1383:1,7,1	1426:2	1373:1,2	1382:3,8
1452:14	4 1384:3	1430:21	1378:24	1384:18
	1421:20	1432:2,5,6	1380:15	1386:12
<b>updates</b> 1291:12	1464:24	,8 1433:24	1382:23,25	1387:14
1368:19	1469:18,24	1434:7,16	1384:12	1388:12,18
1450:15	1471:10,13	1488:3	1452:5	1389:4
	1477:3,15	1495:11	view	1390:13
updating	1479:4,13	1501:8	1352:5,17,	1393:12
1289:21	1480:11,12	valued	23 1375:10	1395:20
upgrades	1488:13	1260:20	1376:1,16	1396:6,22
1409:12,14	1491:16	1341:12	1398:12	1397:2,13, 18 1398:13
,16	1493:18,20	<b>valve</b> 1254:9	1399:4	18 1398:13
1412:10	, 25		1447:10	23
Upon 1248:1	1494:5,8,1	variability	1449:15	1400:2,6,2
1327:24,25	5	1284:2	1483:4	2
1367:19,20	1495:2,15	variance	views	1401:11,22
1446:24,25	1496:10	1468:14	1352:25	1402:2,9,2
1512:6	1505:3,5	1498:11	1353:1,4	1,25
	utility	variations	vigilant	1403:6,11,
upshot	1264:1	1274:14	1402:5	20,25
1373:14	1275:17	varies		1404:10,14
up-sizing	1296:1,3	1333:6	<b>VINCE</b> 1244:7	1405:12 <b>,</b> 15
1247:11	1326:4,7	1333:6	1250:8	,19,23
1335:20	1363:13	1304:10	1287:18,25	1406:2,9,1
1336:4	1378:17,24	various	1288:7,11	3,21
upwards	1427:8	1274:23	1289:5	1407:3,16,
1420:2	1465:1,10	1287:1	1290:13,20	23
	1471:9	1318:10	1291:3,10,	1408:5,24
users	1496:14	1362:2	23	1409:9,11,

DIGI-TRAN INC. 1-800-663-4915 or 1-403-276-7611 Serving Clients Across Canada

1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       ,18,25     1455:2     1384:18     1428:5,22     warm 1       1472:5     1456:3     1385:7     1429:19     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	
1410:11,21	12,13
1411:2,8,1	
6	
1412:3,14	
1413:1,22	
1414:6,12	
1415:1,6,9	
1416:4,10,	
1416:4,10,   1314:24	
21	
1417:3,11,   1262:13   1312:7,12,   1,5,19,23   1469   24   1358:11   16,25   1406:2,9,1   ,20   1418:2,6,1   1499:10   1313:7,12,   3,21   1471   1423:14   1425:15,20   1354:17   1367:25   1408:5,24   1475   1428:5,22   2,14,16   15,16   23   1476   1429:19   1356:11   1369:1,9,1   1410:11,21   1484   1430:1,7   volume   2   1411:2,8,1   1485   1433:15,21   1365:17   1371:2,6,1   19   1438:1   1424:21   1356:1   1370:7,10,   6,23   1476   1439:3   1441:14   1439:3   1370:7,10,   6,23   1478   1439:3   1370:4,10,   20   1493   1449:21   1253:21,24   1370:7,10,   20   1493   1449:21   1253:21,24   1370:7,10,   20   1493   1445:13,19   1254:12   13,18   1416:4,10,   21,15   1459:3,16,   1466:1   1467:16   1380:13,23   1416:4,10,   21,15   1418:2,6,1   1500   1463:3   1466:1   1467:16   1380:13,23   1421:16   1503   1466:1   1467:16   1380:13,23   1421:16   1503   1466:1   1467:16   1380:13,23   1421:16   1503   1466:1   1467:16   1380:13,23   1421:16   1503   1469:20   1442:18   1382:3,8   1426:10   1511   1471:12,16   1459:25   1456:3   1386:12   1429:19   14	
1418:2,6,1	
1418:2,6,1     1499:10     1313:7,12,     3,21     1471       5 1421:16     1423:14     volatility     1359:14,21     16,23     1472       1425:15,20     1355:5,7,1     1368:1,12,     1409:9,11,     19,22       1428:5,22     2,14,16     15,16     23     1476       1429:19     1356:11     1369:1,9,1     1410:11,21     1484       1430:1,7     volume     2     1411:2,8,1     1485       1431:3,8,1     1268:4     1370:7,10,6,23     1487       2,19     1296:16     13,19,25     1412:3,14,14     1488       1436:2     1386:4     0,12,15,17     1413:1,22     914       1438:1     1424:21     1371:2,6,1     19     1490       1438:1     1424:21     ,21     1414:6,12,149     1492       1439:3     1441:14     volumes     1372:4,10,20     1493       1445:13,19     1253:21,24     1373:5,10,16,21     1416:4,10,22     1494       1452:3,11,39     1375:8,18,139     1416:4,10,22     1499       1459:33,16,20     1461:1     1378:12     1418:2,6,1     1500       1459:33,16,20     1461:1     1376:23,25     1418:2,6,1     1500       1469:20     1467:16     1380:13,23     1421:16     1	,_
5 1421:16         1423:14         volatility         1359:14,21         16,23         1472           1425:15,20         1354:17         1367:25         1408:5,24         1475           1427:2,12         1355:5,7,1         1368:1,12,         1409:9,11,         19,22           1428:5,22         2,14,16         15,16         23         1476           1429:19         1356:11         1369:1,9,1         1410:11,21         1484           1430:1,7         volume         2         1411:2,8,1         1485           2,19         1268:4         1370:7,10,         6,23         1487           1433:15,21         1365:17         1371:2,6,1         19         1490           1436:2         1386:4         0,12,15,17         1413:1,22         9 149           1439:3         1441:14         1424:21         21         1414:6,12,         1492           1449:21         1253:21,24         1372:4,10,         20         1493         1494           1451:13,19         1254:12         13,18         1416:4,10,         ,21,2           1452:3,11,         W         1375:8,18,         1417:3,11,         1500           1452:3,11,         W         1376:23,25         1418:2,6,1	12.16
1423:14	
1425:15,20     1354:17     1367:25     1408:5,24     1475       1427:2,12     1355:5,7,1     1368:1,12,     1409:9,11,     19,22       1428:5,22     2,14,16     15,16     23     1476       1429:19     1356:11     1369:1,9,1     1410:11,21     1484       1430:1,7     volume     2     1411:2,8,1     1485       1431:3,8,1     1268:4     1370:7,10,     6,23     1487       2,19     1296:16     13,19,25     1412:3,14,     1488       1436:2     1386:4     0,12,15,17     1413:1,22     9 14       1438:1     1424:21     ,21     1414:6,12,     1492       1439:3     1365:17     1371:2,6,1     19     1490       1439:3     144:14     ,21     ,21     1414:6,12,     1492       1449:21     1253:21,24     1373:5,10,     ,16,21     1497       1450:13,23     1254:12     13,18     1416:4,10,     ,21,2       1452:3,11,     W     1374:15,21     2     1499       1459:3,16,     1461:1     1376:23,25     1418:2,6,1     1502       1466:1     1380:13,23     1421:16     1503       1466:1     1466:1     1380:13,23     1421:16     1503       1466:1	
1427:2,12     1355:5,7,1     1368:1,12,     1409:9,11,     19,22       1429:19     1356:11     1369:1,9,1     1410:11,21     1484       1430:1,7     volume     2     1411:2,8,1     1485       1431:3,8,1     1268:4     1370:7,10,     6,23     1487       2,19     1296:16     13,19,25     1412:3,14,     1488       1438:1     1265:17     1371:2,6,1     19     1490       1438:1     1424:21     ,21     1414:6,12,     1492       1439:3     1372:4,10,     20     1493       1441:14     volumes     14,24     1415:1,6,9     1494       1449:21     1253:21,24     1373:5,10,     ,16,21     1497       1450:13,23     1254:12     13,18     1416:4,10,     ,21,2       1450:33,11,     Wage 1379:14     1376:23,25     1418:2,6,1     1500       1452:3,11,     Wage 1379:14     1376:23,25     1418:2,6,1     1502       1466:1     1380:13,23     1421:16     1503       1466:1     1380:13,23     1421:16     1503       1469:20     1442:18     1380:13,23     1421:16     1503       1471:12,16     1454:13     1382:3,8     1426:10     1511       1475:19,22     1456:3 <t< td=""><td></td></t<>	
1428:5,22     2,14,16     15,16     23     1476       1429:19     1356:11     1369:1,9,1     1410:11,21     1484       1430:1,7     volume     2     1411:2,8,1     1485       1431:3,8,1     1268:4     1370:7,10, 6,23     1487       2,19     1296:16     13,19,25     1412:3,14, 1488       1433:15,21     1365:17     1371:2,6,1     19     1490       1436:2     1386:4     0,12,15,17     1413:1,22     9 149       1439:3     1372:4,10, 20     1493       1441:14     1253:21,24     1373:4,10, 20     1493       1450:13,23     1254:12     13,18     1416:4,10, 12,11,149       1450:13,3,10     1373:15     1374:15,21     21     1499       1452:3,11, Wase     1375:8,18, 1417:3,11, 1500     1500       1459:3,16, 20     1461:1     1378:12     5     1420:1     ,22       1463:3     1466:1     1380:13,23     1421:16     1502       1466:1     1467:16     1380:13,23     1421:16     1503       1466:1     1454:13     1382:3,8     1426:10     1511       1475:19,22     1456:3     1382:20     1427:2,12     1510       1475:19,22     1456:3     1385:7     1429:19     wasn't   <	
1429:19     1356:11     1369:1,9,1     1410:11,21     1484       1430:1,7     volume     2     1411:2,8,1     1485       1431:3,8,1     1268:4     1370:7,10,     6,23     1487       2,19     1296:16     13,19,25     1412:3,14,     1488       1433:15,21     1365:17     1371:2,6,1     19     1490       1438:1     1424:21     ,21     1413:1,22     9     1492       1439:3     volumes     1372:4,10,     20     1493       1441:14     volumes     14,24     1415:1,6,9     1494       1449:21     1253:21,24     1373:5,10,     ,16,21     1497       1450:13,23     1337:15     1374:15,21     21     1499       1452:3,11,     W     19,25     20,24     23       1459:3,16,     1461:1     1376:23,25     1418:2,6,1     1502       1459:3,16,     201462:6     1467:16     1380:13,23     1421:16     1503       1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       1472:5     1456:3     1384:18     1428:5,22     1429:19       1475:19,22     1456:3     1385:7     1429:19     1429:19	
1430:1,7         volume         2         1411:2,8,1         1485           1431:3,8,1         1268:4         1370:7,10,         6,23         1487           2,19         1296:16         13,19,25         1412:3,14,         1488           1436:2         1365:17         1371:2,6,1         19         1490           1438:1         1424:21         ,21         1413:1,22         9         14           1439:3         volumes         1372:4,10,         20         1493           1441:14         volumes         14,24         1415:1,6,9         1494           1450:13,23         1254:12         13,18         1416:4,10,         ,21,2           1451:13,19         1375:8,18,         1417:3,11,         1500           24         1375:8,18,         1417:3,11,         1500           1452:3,11,         Wage 1379:14         1376:23,25         1418:2,6,1         1502           1459:3,16,         1461:1         1376:23,25         1418:2,6,1         1502           1469:1         1467:16         1380:13,23         1421:16         1503           1469:20         1454:13         1382:3,8         1426:10         1511           1471:12,16         1454:13         <	
1431:3,8,1       1268:4       1370:7,10,       6,23       1487         2,19       1296:16       13,19,25       1412:3,14,       1488         1433:15,21       1365:17       1371:2,6,1       19       1490         1438:1       1424:21       ,21       1414:6,12,       1492         1439:3       volumes       1372:4,10,       20       1493         1441:14       1253:21,24       1373:5,10,       16,21       1497         1450:13,23       1254:12       13,18       1416:4,10,       ,21,21         1451:13,19       1374:15,21       21       1499         1452:3,11,       W       1376:23,25       1418:2,6,1       1500         1459:3,16,       1461:1       1378:12       20,24       23         1463:3       1466:1       1380:13,23       1421:16       1503         1466:1       1467:16       1380:13,23       1421:16       1503         1469:20       1442:18       1382:3,8       1426:10       1511         1471:12,16       1454:13       1383:20       1427:2,12       1512         1472:5       1456:3       1385:7       1429:19       1429:19         1475:19,22       1457:16       1386	
2,19 1296:16 13,19,25 1412:3,14, 1488 1433:15,21 1365:17 1371:2,6,1 19 1413:1,22 9 141 1438:1 1424:21 7,21 1414:6,12, 1492 1439:3 1441:14 1499:21 1450:13,23 1450:13,23 1451:13,19 7,24 1452:3,11, 18,22 18,22 18,22 1466:1 1466:1 1466:1 1469:20 1462:6 1469:20 1477:12,16 718,25 1472:5 1475:19,22 1476:14  1296:16 13,19,25 1371:2,6,1 19 1412:3,14, 19 1413:1,22 9 141 1490 1490 1491 1492 1413:1,22 9 1492 1414:6,12, 1415:1,6,9 1493 1494 1475:1,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1416:4,10, 16,21 1417:3,11, 1500 1477:15,21 21 1418:2,6,1 1502 20,24 23 1376:23,25 1418:2,6,1 1502 1380:13,23 1421:16 1503 1381:4,5,1 1423:14 1509 142:18 1382:3,8 1426:10 1511 1512 1455:2 1384:18 1426:10 1511 1512 1477:5 1475:19,22 1456:3 1385:7 1429:19 1430:1,7 1430:1,7 1459:25 1476:14	
1433:15,21     1365:17     1371:2,6,1     19     1490       1436:2     1386:4     0,12,15,17     1413:1,22     9 149       1438:1     1424:21     ,21     1414:6,12,     1492       1439:3     volumes     1372:4,10,     20     1493       1441:14     1253:21,24     1373:5,10,     ,16,21     1497       1450:13,23     1254:12     13,18     1416:4,10,     ,21,2       1451:13,19     1337:15     1374:15,21     21     1499       ,24     1375:8,18,     1417:3,11,     1500       1452:3,11,     Wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       1463:3     1467:16     1380:13,23     1421:16     1503       1466:1     1380:13,23     1421:16     1503       1469:20     1442:18     1382:3,8     1426:10     1510       1471:12,16     1455:2     1384:18     1428:5,22       1472:5     1456:3     1385:7     1429:19       1475:19,22     1456:3     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	
1436:2     1386:4     0,12,15,17     1413:1,22     9 14:14:14:6,12       1439:3     volumes     1372:4,10     20     1493       1441:14     1253:21,24     1373:5,10     16,21     1497       1450:13,23     1254:12     13,18     1416:4,10     21,21       1451:13,19     1337:15     1374:15,21     21     1499       1452:3,11     W     1375:8,18     1417:3,11     1500       1459:3,16     1461:1     1376:23,25     1418:2,6,1     1502       1463:3     1467:16     1380:13,23     1421:16     1503       1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1382:3,8     1426:10     1511       18,25     1456:3     1385:7     1429:19     warm 1       1475:19,22     1456:3     1386:12     1430:1,7     warn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	
1438:1     1424:21     ,21     1414:6,12,     1492       1439:3     volumes     14,24     1415:1,6,9     1494       1449:21     1253:21,24     1373:5,10,     ,16,21     1497       1451:13,19     1337:15     1374:15,21     21     1499       1452:3,11,     W     1375:8,18,     1417:3,11,     1500       1459:3,16,     1461:1     1376:23,25     1418:2,6,1     1502       1463:3     1467:16     1380:13,23     1421:16     1503       1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       1472:5     1456:3     1385:7     1429:19     warm 1       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	
1439:3       volumes       1372:4,10,       20       1493         1441:14       1253:21,24       14,24       1415:1,6,9       1494         1450:13,23       1254:12       1373:5,10,       16,21       1497         1451:13,19       1337:15       1374:15,21       21       1499         ,24       1452:3,11,       W       19,25       20,24       23         1459:3,16,       1461:1       1376:23,25       1418:2,6,1       1502         1459:3,16,       1461:1       1378:12       5 1420:1       ,22         20 1462:6       1467:16       1380:13,23       1421:16       1503         1466:1       1381:4,5,1       1423:14       1509         1471:12,16       1454:13       1383:20       1427:2,12       1510         1472:5       1456:3       1384:18       1428:5,22       warm 1         1475:19,22       1457:16       1386:12       1430:1,7       warn 1         1476:14       1459:25       1387:14       1431:3,8,1       1254	
1441:14       volumes       14,24       1415:1,6,9       1494         1449:21       1253:21,24       1373:5,10,       ,16,21       1497         1450:13,23       1254:12       13,18       1416:4,10,       ,21,3         1451:13,19       1337:15       1374:15,21       21       1499         ,24       1375:8,18,       1417:3,11,       1500         1452:3,11,       Wage 1379:14       1376:23,25       1418:2,6,1       1502         1459:3,16,       1461:1       1378:12       5 1420:1       ,22         20 1462:6       1467:16       1380:13,23       1421:16       1503         1463:3       1381:4,5,1       1423:14       1509         1466:1       1442:18       1382:3,8       1426:10       1510         1471:12,16       1454:13       1383:20       1427:2,12       1512         18,25       1456:3       1384:18       1428:5,22       warm 1         1475:19,22       1457:16       1386:12       1430:1,7       wasn't         1476:14       1459:25       1387:14       1431:3,8,1       1254	
1449:21     1253:21,24     1373:5,10,     ,16,21     1497       1450:13,23     1337:15     13,18     1416:4,10,     ,21,2       1451:13,19     1374:15,21     21     1499       ,24     1375:8,18,     1417:3,11,     1500       1452:3,11,     Wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       1459:3,16,     1467:16     1380:13,23     1421:16     1503       1463:3     1381:4,5,1     1423:14     1509       1466:1     149:20     1442:18     1425:15,20     1510       1471:12,16     1454:13     1382:3,8     1426:10     1511       1475:2     1456:3     1384:18     1428:5,22     warm 1       1475:19,22     1456:3     1385:7     1429:19     warm 1       1476:14     1459:25     1387:14     1431:3,8,1     1254	
1450:13,23     1254:12     13,18     1416:4,10,     ,21,2       1451:13,19     1373:15     1374:15,21     21     1499       ,24     1375:8,18,     1417:3,11,     1500       18,22     wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       1463:3     1467:16     1380:13,23     1421:16     1503       1463:3     1381:4,5,1     1423:14     1509       1466:1     1454:13     1382:3,8     1426:10     1510       1471:12,16     1454:13     1383:20     1427:2,12     1512       ,18,25     1456:3     1384:18     1428:5,22     warm 1       1475:19,22     1456:3     1385:7     1429:19       1475:19,22     1459:25     1387:14     1431:3,8,1     1254	
1451:13,19     1337:15     1374:15,21     21     1499       ,24     1452:3,11,     19,25     20,24     23       18,22     wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       20 1462:6     1467:16     1380:13,23     1421:16     1503       1463:3     wages     1,18     1423:14     1509       1466:1     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       1472:5     1456:3     1384:18     1428:5,22       1475:19,22     1456:3     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	
,24     1452:3,11,     19,25     20,24     23       18,22     wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       1463:3     1466:1     1380:13,23     1421:16     1503       1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       ,18,25     1456:3     1384:18     1428:5,22     warm 1       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1469:25     1387:14     1431:3,8,1     1254	
1452:3,11,     W     19,25     20,24     23       18,22     wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       20 1462:6     1467:16     1380:13,23     1421:16     1503       1463:3     wages     1,18     1423:14     1509       1466:1     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       1455:2     1384:18     1428:5,22     warm 1       1472:5     1456:3     1385:7     1429:19     warm 1       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1467:14     1467:14     1467:14     1467:14	
18,22     wage 1379:14     1376:23,25     1418:2,6,1     1502       1459:3,16,     1461:1     1378:12     5 1420:1     ,22       1462:6     1467:16     1380:13,23     1421:16     1503       1463:3     1381:4,5,1     1423:14     1509       1466:1     1442:18     1425:15,20     1510       1471:12,16     1454:13     1383:20     1426:10     1511       1472:5     1456:3     1384:18     1428:5,22     warm 1       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1469:25     1387:14     1431:3,8,1     1254	
1459:3,16,     1461:1     1378:12     5 1420:1     ,22       20 1462:6     1467:16     1380:13,23     1421:16     1503       1463:3     1381:4,5,1     1423:14     1509       1466:1     1442:18     1425:15,20     1510       1471:12,16     1454:13     1382:3,8     1426:10     1511       18,25     1455:2     1384:18     1428:5,22     warm 1       1472:5     1456:3     1385:7     1429:19     warm 1       1475:19,22     1459:25     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	18,20
20 1462:6	•
1463:3     wages     1381:4,5,1     1423:14     1509       1466:1     1442:18     1382:3,8     1426:10     1510       1471:12,16     1454:13     1383:20     1427:2,12     1512       1472:5     1456:3     1384:18     1428:5,22     warm 1       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	1,3
1466:1       wages       4,18       1425:15,20       1510         1469:20       1442:18       1382:3,8       1426:10       1511         1471:12,16       1454:13       1383:20       1427:2,12       1512         148       1426:10       1511       1512         149       1455:2       1384:18       1428:5,22       1428:5,22         1472:5       1456:3       1385:7       1429:19       1386:12       1430:1,7       1430:1,7       1459:25         1476:14       1459:25       1387:14       1431:3,8,1       1254	
1469:20     1442:18     1382:3,8     1426:10     1511       1471:12,16     1454:13     1383:20     1427:2,12     1512       ,18,25     1455:2     1384:18     1428:5,22     warm 1       1472:5     1456:3     1385:7     1429:19     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	18,22
1471:12,16 ,18,25 ,1472:5 1475:19,22 1456:3 1457:16 1459:25 1384:18 1385:7 1386:12 1430:1,7 1430:1,7 1459:25 1387:14 1431:3,8,1	7,25
,18,25     1455:2     1384:18     1428:5,22       1472:5     1456:3     1385:7     1429:19       1475:19,22     1457:16     1386:12     1430:1,7     wasn't       1476:14     1459:25     1387:14     1431:3,8,1     1254	1
1472:5 1475:19,22 1476:14 1459:25 1467.16 1459:25 1386:12 1386:12 1387:14 1430:1,7 1431:3,8,1	200.10
1475:19,22 1476:14 1459:25 1387:14 1431:3,8,1	009:10
14/0:14 130/:14 1431:3,0,1	
	14
1484:5 1467:4 1388:11,12 2,19 1287	
	17,18
1487:16 1482:14 1389:4,5 1436:2 ,23	
1488:9 Warden 1390:13 1438:1 1302	
1490:1,8,1   1391:25   1439:3   1364	
9 1491:6   1250.9   1393:12   1441:14   1402	
1492:24   1395:15,20   1447:6   1423	
1493:6   1287:18 25   1396:6,22   1449:21   1433	
1287:18,25 1497:20,23	
1502:18,22   1288:7,11,   1337:27137   136:17137   1476	5

OB MANITODA	HIDNO GNA	12 17 2012	rage 1303 01	1300
1507:23	weekend	1267:13,14	1439:24	1497:13,17
waste	1248:5,10	1273:12	1444:15	1499:15
1331:20	1249:22	1275:17	1448:14	1503:18
1331:20	1370:3	1294:23	1449:4	1510:8
water 1259:2	weeks 1304:4	1295:8	1450:14	whatever
1262:8		1306:12,14	1451:1,3	1292:24
1263:10,18	1401:21	1309:21	1465:2,3,4	1334:9
,21 1264:1	1402:6,18	1323:5	1484:17	1343:2
1265:12	weight	1324:6,8,1	1487:12	1343:2
1268:3,6,1	1259:17	5 1325:15	1489:1	1392:21
1,16	1353:11	1327:9	1490:21	1476:12
1296:8	weighted	1333:9,10	1492:25	1486:21
1297:2,23	1269:11	1338:16,17	1493:2	1400:21
1299:6	1272:16	,18,20	1494:12	whatsoever
1300:23	1378:3	1340:6,7,1	1497:12	1423:12
1301:4		2,14	1503:14	whenever
1305:23	weighting	1341:21	1505:8	1425:3
1307:13	1272:18,20	1342:25	1508:3,13,	
1309:16	1291:1	1345:24,25	19,20	whereas
1312:20	weightings	1348:16	1509:18,20	1317:18
1322:14,24	1272:13	1353:9,12,	1510:1,7,8	1330:15
1340:20		15 1358:10	,12,23	1412:10
1364:17	welcome	1364:15	1511 <b>:</b> 18	1424:5
1378:18,21	1373:7	1366:14	Washam	1463:20
1424:20	we'll 1252:9	1367:5,6,2	Western	1464:14
1425:9	1253:12	2	1380:2	1470:2
1426:1	1300:1	1368:22,23	<b>we've</b> 1271:5	whereby
1429:14	1303:17	1369:4	1281:24	1430:13
1439:10,14	1310:9,10	1371:5	1290:1	1510:24
ways	1313:15	1376:19	1297:24	
1385:13,15	1336:6	1378:19,22	1307:4	where's
1391:2,14	1373:4	1379:17	1310:4	1338:16
1392:4	1403:15	1382:25	1322:10,22	whether
1394:23	1407:10	1388:5	<b>,</b> 23 1323 <b>:</b> 9	1246:7,14
1469:12	1419:4	1391:9,21	1359:1	1258:17,19
1495:21	1426:15,17	1392:3	1360:13	1259:4,5
1493:21	1427:5	1394:8	1361:8	1260:7,24
weather	1434:15	1395:4,7	1370:4	1261:18,22
1262:9	1436:19	1397:4,5	1376:18,19	1262:9
1458:10	1439:5	1398:17,25	1377:1,16	1264:21
weather-	1447:19	1399:18	1379:1	1268:4,5
related	1456:24	1401:14	1382:16,18	1271:14
1458:11	1486:21	1417:16	1383:6	1272:15
	1510:17	1418:25	1424:1,3,5	1282:19
website		1420:1	,20	1283:5
1267:2	we're 1248:3	1422:3	1425 <b>:</b> 25	1291:23
1299:20	1250:16	1423:2	1438:2,3	1308:8
we'd 1282:16	1252:12	1424:11	1448:16	1310:6
	1254:2,3	1427:16	1456:6	1353:20
		I		
week 1269:10	1257:15	1429:4	1465:7	1366.74
1286:21	1258:23	1429:4 1430:7	1465:7	1366:24 1378:22
	1258:23 1263:15	1430:7	1476:15	1378:22
1286:21	1258:23			

		-		
1410:19	1439:23	worry	1424:6,12,	you've
1415:23	1440:2	1323:14	16	1254:13
1421:5	wish 1389:21	worse 1292:4	1448:6,13	1281:24
1437:22	WISH 1309.21	worse 1292:4	1451:1,3,1	1287:1
1445:11	wishes	wring	5	1296:15
1464:21	1446:20	1401:15	1452:10,17	1303:4
1469:25	withdrawing	write	1453:9,20	1316:16
1482:16	1318:23	1418:21		1318:12
1483:10		1421:5	Y	1319:21
1487:22	withstand	1422:3		1340:18
1490:10	1428:11	1479:13	year-over-	1345:17
1493:8,10	1486:4	1493:9	year	1348:20
1497:8	wonder	1506:9,18,	1402:4	1351:23
<b>whole</b> 1261:7	1248:5	20 1508:9	year-to-year	1397:10
1357:22	1386:7		1295:13	1412:20
1445:2,3		write-downs	1382:12	1414:23
1483:12	wondering	1479:25	1425:1	1415:3,20
1486:24	1366:1	writeoff	<b>Yep</b> 1365:12	1445:8
1494:18	1378:8	1492:5,7		1456:1
1504:3	1393:3	1505:23	<b>yet</b> 1287:8	1460:24
	1457:20	:	1297:5	1488:17
<b>whose</b> 1346:5	work 1268:8	write-off	1359:15	1496:21
1440:23	1270:15	1421:9,25	1369:24	1504:7
William	1366:2,3	1507:22,25	1400:9,14	1505:7,17
1243:9	1367:9	1508:5	1408:13	
	1386:24	1509:6,10,	1492:25	
Williams	1390:8	20 1510:12	yield	zero 1251:22
1243:7	1458:21	write-offs	1485:16	1263:19
1395:2	1494:11	1500:20		1361:1
willing	1506:7,8	writing	you'll	1406:15,18
1381:16	workers	1421:2	1249:11	,22
1384:20	1380:3	1494:22	1253:20	1407:5,7,9
wind	1408:9	1496:20	1294:24	1453:14
1265:6,8		1505:19	1382:11 1389:1	1459:22
1269:11,19	workforce	1509:15	1309:1	1100.22
1320:6,19,	1391:15	1510:1	1405:2	
20 1341:13	working		1403:2	
1347:10,23	1278:14	written	1432:3	
1348:2,4	1366:6	1419:9	1448:4	
1	1386:21	1420:17	1489:15	
Winnipeg	1389:24	1480:4	1400.10	
1242:22	1496:7	1503:12	yours	
1243:16	works 1506:8	1506:1	1314:24	
1392:19	WOIRS 1500.0	1507:1,14	yourself	
1502:16	world	1510:8	1334:3	
winter	1278:12	Wuskwatim	1377:21	
1307:11	1284:22	1269:15,16	1382:6,7	
1309:18	1358:9,11	1280:24	1400:11	
1354:6	1423:17	1282:1	1428:7	
wiring	1474:6,19,	1283:13	1495:21	
1361:10	20 1483:14	1409:2		
	worried	1423:11,15	yourselves	
Wisconsin	1356:14	,24	1356:21	
WISCONSIN	1356:14	, 24	1000,11	