

## MANITOBA PUBLIC UTILITIES BOARD

Re: CENTRA GAS MANITOBA INC.

TRANSPORTATION AND PORTFOLIO APPLICATION

Before Board Panel:

Regis Gosselin - Board Chairman

Monica Girouard - Board Member

Raymond Lafond - Board Member

HELD AT:

Public Utilities Board

400, 330 Portage Avenue

Winnipeg, Manitoba

June 25, 2012

Pages 1 to 240



		2
1		APPEARANCES
2	Bob Peters	)Board Counsel
3		
4	Doug Bedford	)Manitoba Hydro
5		
6		
7	Brian Meronek	) CAC
8	Thomas Masi	)
9		
10	Nola Ruzycki (np)	)Just Energy Manitoba
11		
12	Paul Kerr (np)	)Shell Energy
13		
14	Kim Johnston (np)	)BP Energy Group
15		
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21		
22		
23		
24		
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		3
1	TABLE OF CONTENTS	
2		Page No.
3	List of Exhibits	4
4	List of Undertakings	5
5		
6	Opening Remarks	6
7		
8	Opening Comments by CAC	20
9	Opening Comments by Centra Gas	22
10		
11	CENTRA GAS PANEL:	
12	VINCE WARDEN, Sworn	
13	GREG BARNLUND, Sworn	
14	NEIL KOSTICK, Sworn	
15	LORI STEWART, Sworn	
16	BRENT SANDERSON, Sworn	
17	Examination-in-chief by Mr. Doug Bedford	25
18	Cross-examination by Mr. Bob Peters	67
19		
20	Certificate of Transcript	240
21		
22		
23		
24		
25		

				_
			4	
1		LIST OF EXHIBITS	-	
2	Exhibit No.	Description	Page No.	
3	PUB-1	Notice of Application and Pr	re- Filed	
4		Hearing Conference dated Mar	ch at	
5		26, 2011	PHC	
6	PUB-2	Draft Timetable	Filed at PHC	
7	PUB-3	Affidavit of Service and		
8		Publication of Notice of Pub	olic	
9		Hearing	Filed at PHC	
10	PUB-4	Board Order No. 49/12 dated	April	
11		26, 2012	14	
12	PUB/CENTRA-5-1	TO 5-24		
13		The Public Utilities Board's	s 1st	
14		round Information Requests a	ind	
15		Centra Gas Manitoba Inc's re	esponses 14	
16	PUB/CAC 6-1 TO	6-16		
17		The Public Utilities Board's	3	
18		Information Requests and		
19		Consumers' Association of Ca	ınada	
20		responses	14	
21	PUB-7	Book of Documents	15	
22	CENTRA-1	Centra Gas Manitoba Inc.	Filed	
23		Application dated March 23,	2012 at PHC	
24	CENTRA-2	Rebuttal Evidence	Filed at PHC	
25				

			5
1		LIST OF EXHIBITS (Con't)	-
2	Exhibit No.	Description Page	e No.
3	CENTRA-3	Witness Panel and Witness	
4		Qualifications of Vince Warden,	
5		Greg Barnlund, Neil Kostick, Lori	
6		Stewart and Brent Sanderson	17
7	CAC/CENTRA-1-1	TO 1-22	
8		Consumers' Association of Canada	
9		(Manitoba) Inc 1st round	
10		Information Requests and Centra	
11		Gas Manitoba Inc.'s Response.	18
12	CAC-2	Evidence of Mark Stauft on behalf	
13		of Consumers' Association of Canada	а
14		(Manitoba) Ltd.'s	18
15	JEMLP/CENTRA-1	-1 TO 1-2	
16		Just Energy Manitoba L.P.'s 1st	
17		Round Information Requests and	
18		Centra Gas Manitoba Inc.'s	
19		Response	18
20			
21			
22			
23			
24			
25			

			6
1		LIST OF UNDERTAKINGS	
2	No.	Description Page No	
3	1	Centra to determine whether or not	
4		the costs shown are net of capacity	
5		management revenues; and if they're	
6		not, determine if that can also be	
7		provided	97
8	2	Centra to reconcile the chart	
9		included with pre-ask PUB/CENTRA-1	
10		for the February 2006 point, with	
11		the indication in CAC/CENTRA-17-E	
12		which provides the 2005/'06 storage	
13		withdrawal volumes 1	157
14	3	Centra to indicate what the	
15		restructured proposal is from	
16		TransCanada for tolls in the 2013	
17		calender year, assuming the	
18		restructuring proposal is implemented	
19		but taking into account the updated	
20		throughput study and related	
21		assumptions, and provide the status	
22		quo number that the TCPL is using as	
23		the other end of the calculation 1	197
24			
25			

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7
   --- Upon commencing at 9:30 a.m.
2
 3
                   THE CHAIRPERSON: Good morning, ladies
   and gentlemen. Welcome to the commencement of the oral
   hearing of Centra Gas and Manitoba Inc.'s incor --
   transportation and storage portfolio application.
7
                   We'll be -- we will be spending the next
   four (4) days, approximately, together in this hearing
    room, so I'd like to introduce myself and the other
   panel members. My name is Regis Gosselin.
10
11
                   On April 1st, 2012, I was appointed as
12
   the new chair of the Public Utilities Board.
13
   capacity, I'll be chairing this -- this hearing.
   me are Board members Monica Girouard and Raymond
14
15
   Lafond. I know both of you are very busy people, so
16
   thanks very much for agreeing to sit on this panel.
17
                   The Board will be assisted by our acting
18
    secretary, Kurt Simonsen, and Board counsel, Bob
19
   Peters, together with Brady Ryall, the engineering
   advisor from ECI Consulting. So welcome to all of you.
21
                   The operating -- the Board's operating
22
   advise -- pardon me, accounting advisor is Roger
23
   Cathcart, but he is available to assist in this case in
24
   course -- in case the Board needs to call on his
25
   services.
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1 It appears from the material filed that Centra's transportation and storage portfolio in the US was established through contractual arrangements some 3 twenty (20) years ago, and those will expire on March 31st, 2013. 6 My colleague, Mr. Girouard, was on the panel that authored the Board Order 65/11 subsequent to 7 Centra's 2011/12 cost of gas application. In that hearing, the Board was advised that Centra had 10 initiated a process to investigate alternatives in options with respect to the replacement of its 11 12 transportation and storage arrangements. 13 In that order, 65/11, the Board directed 14 changes to the portfolio review process that Centra had 15 in -- proposed at that time. The Board stated its 16 intention, that it would require Centra to seek Board 17 approval of changes to the existing arrangements prior 18 to finalizing new contracts. The Board also directed 19 that the review process should include an oral hearing 20 component. On March 23rd of 2012, Centra filed its 21 22 application seeking this Board's approval of the fixed 23 costs associated with the proposed replacement 24 contractual arrangements for natural gas storage and 25 related interstate transportation with the ANR Pipeline

9 Company and the Great Lakes Grass Tan -- Gas

- Transmission Limited Partnership.
- 3 On April 11, 2012, the Board conducted a
- pre-hearing conference to deal with procedural matters.
- That hearing gave rise to Order 49/12, of which all
- participants should be aware.
- 7 Today is the start of the oral evide --
- evidentiary portion of the hearing. And I will turn
- the microphone over to Board counsel, Bob Peters, to
- 10 address the procedures over the next four (4) days.
- 11 Mr. Peters?
- 12 MR. BOB PETERS: Thank you and good
- 13 morning, Mr. Chairman, panel members Girouard and
- Lafond. For the record, my name is Bob Peters, and I'm 14
- 15 counsel to the Public Utilities Board in respect of
- 16 this application by Centra. As noted by the Chair, the
- Board is also assisted by its engineering advisor, 17
- 18 Brady Ryall, seated to my right.
- 19 Recognizing the duration and the cost of
- the storage and transportation contracts entered into
- by Centra, the Board, in Order 65 of '11, directed that 21
- 22 a meaningful opportunity should be provided to all
- 23 stakeholders to explore Centra's options and
- 24 alternatives prior to a new arrangement being
- 25 finalized.

- 1 That brings us to today's hearing.
- 2 Centra is seeking the Board's approval of the annual
- 3 fixed costs of Centra's preferred arrangement.
- 4 Notably, while the 1992 arrangements were for a twenty
- 5 (20) year period, the currently proposed arrangements
- 6 will extend seven (7) years.
- 7 Mr. Chair and Board member Lafond, as
- 8 relative newcomers to the regulation of Centra Gas, you
- 9 need to be forewarned that there is a language unto its
- 10 own and there are acronyms, units of measure, and
- 11 abbreviations that all counsel and witnesses will be
- 12 mindful to explain.
- 13 Please interrupt us at any time -- any
- 14 time there's a question or answer that needs
- 15 clarification. We recognize our roles in assisting the
- 16 Board in its understanding of the issues and the
- 17 evidence that will come before it.
- In turning to the procedures that you've
- 19 asked me address, Mr. Chairman, I've circulated on
- 20 yellow paper today an outline of procedures, and I'll
- 21 just take a few minutes to review them.
- In the opening comments, Mr. Chairman,
- 23 yours have already been given. I'll be concluding mine
- 24 shortly. I will then suggest that you turn to the
- 25 Intervenors that have been approved for intervention

- 1 into this Hearing.
- And, excuse me, firstly, the Consumers'
- 3 Association of Manito -- sorry, of Canada (Manitoba)
- 4 Inc., or abbreviated as CAC, is represented across the
- 5 Hearing room by Brian Meronek and Thomas Masi.
- 6 Secondly, Just Energy Manitoba Limited
- 7 Partnership is in Intervenor. They're a gas retailer
- 8 active in Manitoba, and they're represented by Nola
- 9 Ruzycki. Ms. Ruzycki will not be in attendance during
- 10 the oral evidentiary portion of the hearing.
- 11 Thirdly, Shell Energy North America
- 12 (Canada) Inc. is a licensed gas broker in Manitoba
- 13 that's also involved in gas trading and marketing
- 14 throughout the rest of Canada. Shell Energy is
- 15 represented by Mr. Kerr, and Mr. Kerr will not be in
- 16 attendance during the evidentiary portion of the
- 17 Hearing.
- 18 Lastly, in terms of Intervenors, BP
- 19 Energy Group ULC is a supplier of natural gas to both
- 20 transportation service customers and western
- 21 transportation service customers served by Centra. And
- 22 BP Energy group is represented by Kim Johnston, and
- 23 again, Kim Johnston will not be in attendance during
- 24 the oral evidentiary portion of the Hearings.
- 25 So with those Intervenors, I would

- 1 suggest that when I'm finished my opening comments that
- 2 the Board turn to Mr. Meronek for his.
- 3 And then following Mr. Meronek's opening
- 4 comments you'll see that there's time for Centra Gas
- 5 (Manitoba) Inc., through its counsel, Mr. Bedford, to
- 6 provide their opening comments.
- 7 Once the opening comments have been
- 8 provided it would then be appropriate to swear in the
- 9 witnesses and allow them to provide any direct evidence
- 10 that they wish in response to any questions from Mr.
- 11 Bedford.
- The five (5) witnesses will be
- 13 introduced, but I've listed their names on the outline
- 14 of procedure. Following any questions that Mr. Bedford
- 15 has of his witnesses, the witnesses would them be
- 16 turned over for cross-examination, starting firstly
- 17 with myself and then concluding with Mr. Meronek.
- 18 Once the Centra Panel witnesses are
- 19 finished, CAC has a witness, Mr. Mark Stauft, who we
- 20 will be bringing to Winnipeg to testify. And the
- 21 procedure for Mr. Stauft will be similar in that he
- 22 will provide his direct evidence through questions by
- 23 Mr. Meronek and Mr. Masi, and then he'll be cross-
- 24 examined firstly by Centra and secondly by myself.
- 25 The last matter on the outline of

- 1 procedures are closing submissions. And if I look back
- 2 to the order your referenced, Mr. Chairman, Order 49 of
- 3 '12, the procedural order, there seemed to be a
- 4 consensus that closing submissions would be held on
- 5 Wednesday, July the 4th. And we'll confirm that before
- 6 this Hearing steps down or adjourns. But that is the
- 7 date that is presently -- presently targeted.
- 8 I should indicate that with respect to
- 9 the Intervenors Just Energy, Shell, and BP Canada, I've
- 10 been in email communications with them, including
- 11 recently, and I've indicated that if they have
- 12 intentions to provide any closing submissions, and if
- 13 they intend to do so in writing, they should advise
- 14 myself and the Board and endeavour to have those
- 15 closing submissions filed the day before the Board
- 16 convenes for its oral closing submissions. I have yet
- 17 to hear back as to when -- whether any of them will.
- 18 Mr. Chairman and Board members, I'd like
- 19 to turn to the exhibit list that was also circulated to
- 20 the parties in advance of today. And the exhibit list
- 21 is to keep track of the record of proceedings, in terms
- 22 of the documents that get filed. And I'll take the
- 23 liberty of -- of just mentioning them for all parties.
- 24 Under the PUB's exhibits the notice that
- 25 was published in the newspapers and approved by the

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14
   Board would be PUB Exhibit 1.
 2
                   Exhibit 2 would be the draft timetable.
                   Exhibit 3 was the affidavit of service
 3
   and the affidavit of publication of the public notice.
 5
                   PUB-4 was the procedural order 49/12.
 6
   --- EXHIBIT NO. PUB-4: Board Order No. 49/12 dated
 7
 8
                                April 26, 2012
 9
10
                   MR. BOB PETERS: And then Exhibits PUB-
11
    5-1 through 5-24 would be the Public Utilities Board's
   written Information Requests of Centra and Centra's
13
   responses.
14
15
   --- EXHIBIT NO. PUB/CENTRA-5-1 THROUGH 5-24:
16
                      The Public Utilities Board's 1st
17
                      round Information Requests and Centra
18
                      Gas Manitoba Inc's responses
19
20
                   MR. BOB PETERS: PUB Exhibit CAC-6-1 to
    6-16 would be the Public Utilities Board's written
21
   Information Requests of the witness for CAC and the
22
23
   responses.
24
  --- EXHIBIT NO. PUB/CAC-6-1 THROUGH 6-16:
25
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15
                      The Public Utilities Board's
1
2
                      Information Requests and Consumers'
3
                     Association of Canada responses
 5
                   MR. BOB PETERS: And while we have the
   exhibit list open, Mr. Chairman, I will propose at this
   time that a book of documents that I've also circulated
   would be marked as PUB Exhibit 7.
9
10
   --- EXHIBIT NO. PUB-7: Book of Documents
11
12
                  MR. BOB PETERS: The book of documents
13
   that has been assembled is for convenience.
14
   copies distributed this morning, although electronic
15
   copies were circulated I believe to Centra last
16
   Wednesday and to Mr. Meronek and Mr. Masi last Friday.
17
                  For those who will follow the
18
   proceedings by way of the transcript, I've given an
   electronic copy to the Board to see if they can post it
   on their website. The notable point there is that the
21
   book of document (sic) has page numbers in the top
22
   right-hand corner. And to ensure that the PDF copy
23
   that will be posted on the Board's website is the same
24
   as the one we're working at in the hearing room, the
   page numbers have been numbered sequentially. And to
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- 1 do that, I guess, I'm told the tabs themselves even
- 2 have to have tabe -- page numbers.
- Now these documents, Mr. Chairman and
- 4 Board members, are not necessarily newly created
- 5 documents. For the most part they are documents that
- 6 Centra will have seen before. In fact, most of them
- 7 were prepared by Centra. There's a couple from PUB
- 8 orders and there's a couple of others that they may not
- 9 have authored but they're aware of. And if there's any
- 10 issues, we'll -- we'll address that as we go through.
- I would just quickly note that the last
- 12 tab in the book of documents, tab 24, contains unit
- 13 conversions and some units of measure and abbreviations
- 14 that the Board members may find useful during the
- 15 hearing. Although again, I -- I reiterate that at any
- 16 time there's questions by the Board for clarification
- 17 or explanation of any units or acronyms or
- 18 abbreviations, to please -- to please let us know.
- 19 Following the PUB exhibits, Centra has -
- 20 Centra Exhibit 1 would be their application dated
- 21 March the 23rd. That has already been filed.
- 22 Centra Exhibit 2 will be the rebuttal
- 23 evidence, and that was filed on Friday, June the 22nd,
- 24 and the Board should have a copy of that.
- In terms of Centra Exhibit 3, I propose

- 1 that Centra Exhibit 3 be the witness qualifications
- 2 that were also filed Friday by Centra, and they filed
- 3 five (5) witness qualifications for the panel that's
- 4 before the Board.

5

- 6 --- EXHIBIT NO. CENTRA-3: Witness Panel and Witness
- 7 Qualifications of Vince
- Warden, Greg Barnlund, Neil
- 9 Kostick, Lori Stewart and
- 10 Brent Sanderson

- 12 MR. BOB PETERS: I will also note that
- 13 in preparing the book of documents, Centra cooperated -
- 14 and much appreciated -- in providing responses to two
- 15 (2) pre-asked questions. One (1) of them dealt with
- 16 units of measure, and one (1) dealt with revising a
- 17 chart on ANR storage. Those pre-asked questions are
- 18 already incorporated into PUB Exhibit 7. But if my
- 19 friend wants a further exhibit number, we can address
- 20 that as well.
- 21 Then turning to the Consumers'
- 22 Association of Canada (Manitoba) Inc. exhibits, I
- 23 propose that CAC/CENTRA-1-1 through 1-22 be the
- 24 Information Requests posed by CAC and the written
- 25 responses by Centra.

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18
    --- EXHIBIT NO. CAC/CENTRA-1-1 TO 1-22:
                      Consumers' Association of Canada
 2
 3
                      (Manitoba) Inc. - 1st round
                      Information Requests and Centra Gas
 5
                      Manitoba Inc.'s Response.
 6
                   MR. BOB PETERS: CAC Exhibit 2 would
 7
   become the pre-filed written evidence of Mr. Stauft
    filed on behalf of the Consumers' Association of Canada
10
    (Manitoba) Inc.
11
12 --- EXHIBIT NO. CAC-2: Evidence of Mark Stauft on
13
                               behalf of Consumers'
14
                                Association of Canada
15
                                (Manitoba) Ltd.'s
16
17
                   MR. BOB PETERS:
                                     Then Just Energy
18
   Manitoba Limited Partnership has two (2) exhibits,
   JEMLP/CENTRA-1-1 to 1-2 would be the Information
19
   Requests posed by Just Energy and responded to by
21
   Centra.
22
23 --- EXHIBIT NO. JEMLP/CENTRA-1-1 TO 1-2:
24
                      Just Energy Manitoba L.P.'s 1st Round
25
                      Information Requests and Centra Gas
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19
1
                      Manitoba Inc.'s Response
2
3
                  MR. BOB PETERS: I can indicate that
   there are no exhibits from Shell Energy at this time,
   and no exhibits from BP Canada Energy at this time,
   although, as I've indicated, they may have some closing
   submissions.
7
                  Mr. Chairman, in closing I suggest the
   Board call on CAC counsel, Mr. Meronek, for any opening
   comments on behalf of his client. And then following
10
   Mr. Meronek's opening comments, I would suggest the
11
12
   Board call on Mr. Bedford for Centra's opening comments
13
   and introductions prior to the swearing of Centra's
   witnesses. And once the witness panel is sworn, it's
14
15
   suggested that direct evidence and cross-examinations
16
   will proceed as indicated in the outline.
17
                   And finally, Mr. Chairman, please call
18
   on me at any time during the hearing in respect of any
19
   procedural matters that the Board may have. And,
   subject to your questions of me at this time, I would
   again suggest you call on Mr. Meronek for his opening
21
22
   comments on behalf of his client.
23
                   THE CHAIRPERSON: Thank you, Mr.
24
   Peters. Mr. Meronek...?
25
```

- 1 OPENING COMMENTS BY CAC:
- 2 MR. BRIAN MERONEK: Excuse me. Good
- 3 morning, Mr. Chairman and members of the Board.
- 4 Welcome. Good morning to the panel, especially Mr.
- 5 Bedford, who apparently has nothing better to do other
- 6 than Bipole III.
- 7 Along with Mr. Thomas Masi, I represent
- 8 the Consumers Association of Canada. And without fear
- 9 of contradiction, I don't think, we are the major
- 10 stakeholder other than the Board and -- and Centra. I
- 11 -- I emphasize stakeholder as opposed to interested
- 12 party because there are several interested parties.
- 13 But this application deals with a long-term contract
- 14 that Centra has negotiated on behalf of the consumers
- 15 who are paying for the cost of the arrangement.
- 16 So the way I like to look at it is
- 17 Centra is acting on our behalf. And we're -- we're
- 18 going to be paying, good, bad or indifferent, whatever
- 19 the results of this application determine.
- 20 It's -- it's a situation which is
- 21 becoming more and more the norm as opposed to the --
- 22 the exception in that for many years, more or less, CAC
- 23 has been at odds with Centra on a -- on a number of
- 24 serious issues. You will see as -- as the week unfolds
- 25 that -- that the disagreements between Cen -- Centra

- 1 and CAC are not as extreme as they sometimes have been.
- 2 We will be introducing evidence in the form of written
- 3 and oral evidence from Mr. Stauft, who agrees with a
- 4 lot of the things that Centra has done.
- 5 We find our role here is to assist the
- 6 Board and to contribute in the sense of, if -- where we
- 7 have issues, we will identify them. Where we have
- 8 agreement, we will identify them. So the Board
- 9 hopefully will have some confidence from an inde --
- 10 independent perspective that -- that what Centra is
- 11 proposing is appropriate. So the thrust of our
- 12 intervention is going to be essentially to clarify a
- 13 lot of the material, essentially, because it is
- 14 complicated.
- The process some -- sometimes is
- 16 inadequate in the sense that questions that get posed
- 17 in information requests, if -- if the right question
- 18 isn't asked, the -- the answer sought is not obtained.
- 19 Sometimes the information obtained begs more questions.
- 20 So that is one (1) of the roles that we deem to be
- 21 appropriate.
- 22 So I will be asking Centra some
- 23 questions in various areas, assuming that Mr. Peters
- 24 doesn't steal all my thunder, which he is wont to do.
- 25 And then we will be calling Mr. Stauft and -- for his

- 1 evidence. And we will be participating extensively
- 2 throughout and also providing oral ar -- oral argument
- 3 at the end. And we welcome the opportunity of being
- 4 here and assisting the Board. Thank you.
- 5 THE CHAIRPERSON: Thank you, Mr.
- 6 Meronek. I'll turn it over to Mr. Bedford.

- 8 OPENING COMMENTS BY CENTRA GAS:
- 9 MR. DOUG BEDFORD: Thank you and good
- 10 morning. And as you've learned, my name is Doug
- 11 Bedford and I work in the legal department of Manitoba
- 12 Hydro. And I'm very happy to predict that the subject
- 13 matter of this hearing over the next four (4) days is
- 14 no doubt going to be far less controversial than the
- 15 Bipole III project.
- 16 I'm going to introduce my colleagues
- 17 from Manitoba Hydro and Centra Gas. I then have some
- 18 very brief remarks I would like to make to you. And
- 19 then I'll ask that the panel of witnesses be sworn in.
- 20 Some of them in their direct evidence will tell you a
- 21 little bit more about what their jobs are at Centra
- 22 Gas.
- I anticipate that the direct evidence
- 24 that we're going to lead will take something less than
- 25 an hour this morning. So by way of introduction, to my

- 1 immediate right is Mr. Vince Warden. Mr. Warden is the
- 2 senior vice-president, finance and administration, at
- 3 Manitoba Hydro. He's also the chief financial officer.
- 4 And he's also the senior person responsible for the
- 5 business of Centra Gas.
- 6 Next to him is Mr. Greg Barnlund. And
- 7 as I indicated, Mr. Barnlund and his colleagues will
- 8 tell you more about what they do in their direct
- 9 evidence. Next to Mr. Barnlund, Mr. Neil Kostick.
- 10 Next to him is Lori Stewart. And next to her, Mr.
- 11 Brent Sanderson.
- 12 Behind me, Ms. Teri Bercier, who is a
- 13 regulated -- regulatory coordinator with Centra Gas.
- 14 Next to her, Ms. Natalia Giraldo-Gomez, who is a
- 15 regulatory coordinator as well with Centra Gas, and Ms.
- 16 Christine Foulkes, a storage and transportation
- 17 specialist.
- Our purpose here is to seek your
- 19 approval of the fixed costs of a set of eight (8)
- 20 contracts we plan to enter into with ANR Pipeline
- 21 Company and Great Lakes Transmission -- Great Lakes Gas
- 22 Transmission Limited Partnership.
- We, at Centra Gas, believe that the
- 24 eight (8) contracts, or as my colleagues here want to
- 25 call them, "the portfolio," merit approval because 1)

- 1 they will help us to maintain reliable and secure
- 2 service by which we mean, for example, that both ANR
- 3 Pipeline Company and Great Lakes Gas Transmission
- 4 Limited Partnership have a proven track record with
- 5 Centra Gas through our experience with them over the
- 6 last twenty (20) years.
- 7 The contracts will allow us to reduce
- 8 the amount of gas which we would otherwise be required
- 9 to purchase in the winter. And, therefore,
- 10 correspondingly these contracts will allow us to buy
- 11 gas in the summer when prices historically have been
- 12 lower.
- 13 2) We believe that the eight (8)
- 14 contracts merit approval because they give us greater
- 15 operational flexibility, by which we mean, for example,
- 16 that they will allow us to acquire gas in the winter
- 17 when we need it even after the markets are closed.
- 18 They will allow us to acquire gas even if our
- 19 nominations are rejected.
- 20 3) We believe the eight (8) contracts
- 21 merit approval because they give us greater diversity,
- 22 by which we mean, for example, that we have the option
- 23 to draw from storage as well as buy in the market. We
- 24 have the option to draw in gas from the United States
- 25 as well as buying from suppliers in Alberta.

25 And 4) We believe that the eight (8) 1 contracts merit approval because they reduce costs, by which we mean the fixed costs are about \$3 million less 3 per year than the current fixed costs that Centra Gas pays for storage and transportation. 6 Thank you. And if it's now convenient, 7 I would like to have the panel sworn. 8 9 CENTRA GAS PANEL: 10 VINCE WARDEN, Sworn 11 GREG BARNLUND, Sworn 12 NEIL KOSTICK, Sworn 13 LORI STEWART, Sworn 14 BRENT SANDERSON, Sworn 15 EXAMINATION-IN-CHEF BY MR. DOUG BEDFORD: 16 17 MR. DOUG BEDFORD: I would like to now 18 proceed with Mr. Warden making a few initial remarks to you, and thereafter I will proceed by way of question and answer with the remaining members of the Panel. 21 MR. VINCE WARDEN: Mr. Chairman, members of the Public Utilities Board, ladies and 22 23 gentlemen, good morning and -- and welcome. Centra is 24 pleased to have this opportunity to provide the Board with an overview of Centra's operations and to discuss

- 1 some of the major attributes -- attributes and
- 2 challenges that Centra has in serving its customers.
- In this application Centra's applying to
- 4 the Public Utilities Board for approval of the costs
- 5 associated with the proposed new contracts for natural
- 6 gas storage and related transportation. Before we get
- 7 into the details of the application, however, I thought
- 8 it might be useful to provide the Board with a brief
- 9 overview of Centra Gas and the history of the
- 10 acquisition by Manitoba Hydro.
- 11 Centra currently serves approximately
- 12 two hundred and sixty-eight thousand (268,000)
- 13 customers located primarily in the southern part of the
- 14 province. Of the total customers, approximately --
- 15 approximately two hundred and forty-three thousand
- 16 (243,000), or 91 percent, are residential, with the
- 17 balance of approximately twenty-five thousand (25,000)
- 18 being commercial and industrial.
- 19 Centra's total assets are about \$590
- 20 million, while annual revenues can range widely from
- 21 approximately \$300 million to over \$600 million
- 22 depending on the price of gas and the severity of -- of
- 23 winter weather.
- Most recently, with the very low natural
- 25 gas prices, combined with an exceptionally mild winter,

- 1 Centra's total revenues were three (3) -- 328 million
- 2 for the year ending March 31st, 2012. Of this total,
- 3 approximately 200 million was the cost of natural gas
- 4 and transportation, which is a flow-through cost to
- 5 customers with no markup by Centra.
- 6 Because Centra's revenues are so weather
- 7 sensitive, Centra's net income can also be
- 8 significantly impacted by weather. For example, for
- 9 the year ended March 31st, 2011, which was a year in
- 10 which colder winter weather was experienced, Centra's
- 11 net income was \$7 million. This past year, however,
- 12 for the year ended March 31st, 2012, in which a very
- 13 mild winter weather was experienced, Centra will incur
- 14 a net loss in the order of \$6 million.
- In fact, in six (6) of the past ten (10)
- 16 years Centra has incurred a net loss in operations.
- 17 Net losses have reduced Centra's retained earnings to
- 18 approximately \$34 million at March 31st, 2012. And
- 19 assuming that International Financial Reporting
- 20 Standards, IFRS, are implemented next fiscal year,
- 21 Centra's retained earnings will be totally eliminated
- 22 and actually be in a negative position.
- 23 While this is an issue for another day,
- 24 in another hearing, it is an issue I thought the Board
- 25 should be aware of.

- 1 On the subject of retained earnings,
- 2 because the gas utility is wholly-owned by Manitoba
- 3 Hydro, and all of its debt has the guarantee, support
- 4 of the Province of Manitoba, there isn't a need for
- 5 Centra to have a large amount of retained earnings.
- 6 This, together with the synergies realized by the
- 7 operation of an integrated gas and electric utility has
- 8 been of significant benefit to gas ratepayers in the
- 9 province since the acquisition of Centra Gas by
- 10 Manitoba Hydro in 1999.
- 11 However, it's important that the very
- 12 low retained earnings or equity in Centra not have a
- 13 negative impact on the electricity ratepayers. And for
- 14 this reason Centra will be submitting a general rate
- 15 application to the Public Utilities Board applying for
- 16 a modest distribution rate increase later this year.
- 17 Again, this is an issue for another hearing but an
- 18 important one for the fiscal stability of Centra Gas.
- 19 Yet another issue that will be covered
- 20 as part of the general rate application will be
- 21 approval sought from the PUB for a new gas supply
- 22 contract to replace the existing contract with
- 23 ConocoPhillips that expires on October 31st, 2012.
- 24 Centra is currently concluding
- 25 negotiations on a new supply contract and, as with the

- 1 current supply contract, Centra intends to file the new
- 2 contract in confidence with the Board prior to its
- 3 commencement. With that filing, Centra will be seeking
- 4 approval of the gas cost consequences of the new supply
- 5 contract.
- 6 With respect to this hearing, Centra is
- 7 applying to the PUB for approv -- approval of the gas
- 8 cost consequences of entering into contracts with the
- 9 ANR Pipeline Company and the Great Lakes Gas
- 10 Transmission Limited Partnership to provide 15.5
- 11 million gigajoules, or 15.5 petajoules, per year of
- 12 storage capacity; two hundred and seventeen thousand
- 13 seven-sixty-four (217,764) gigajoules per day of
- 14 storage deliverability; as well as access to related
- 15 transportation facilities to connect with TransCanada
- 16 Pipelines at Emerson, Manitoba.
- 17 The total fixed costs of the proposed
- 18 storage and transportation arrangements will be
- 19 approximately \$14 million for each year of the seven
- 20 (7) year contract commencing April the 1st, 2013.
- 21 Centra's current contracts for similar storage and
- 22 transportation arrangements were entered into in '90 --
- 23 1993 and have fixed costs of approximately \$17 million
- 24 per year.
- So, subject to the approval of the PUB,

- 1 the proposed new contracts will result in savings to
- 2 natural gas consumers in Manitoba of approximately \$3
- 3 million per year compared to the current contracts
- 4 which expire on March 31st, 2013.
- 5 Mr. Chairman, members of the Board, when
- 6 Manitoba Hydro acquired Centra Gas back in 1999 our
- 7 mandate was defined as follows: Centra will acquire,
- 8 manage, and distribute supplies of natural gas to meet
- 9 Manitoba market requirements in the most safe, cost-
- 10 effective, reliable, and environment --
- 11 environmentally-responsible manner.
- 12 Our proposed new contracts with ANR
- 13 Pipeline Company and the Great Lakes Gas Transmission
- 14 Limited Partnership are totally consistent with that
- 15 mandate, and through this proceeding we are requesting
- 16 your approval of the gas cost consequences of those
- 17 contracts. Thank you.
- MR. DOUG BEDFORD: Mr. Warden, before
- 19 we move on to our next witness, do you adopt on behalf
- 20 of this panel the written evidence filed with this
- 21 application by Centra Gas?
- MR. VINCE WARDEN: Yes, I do.
- 23 MR. DOUG BEDFORD: Mr. Kostick, would
- 24 you please outline your areas of responsibility with
- 25 respect to this application.

- 1 MR. NEIL KOSTICK: Thank you. Good
- 2 morning, Mr. Chairman, members of the Public Utilities
- 3 Board, ladies and gentlemen. In my testimony I will be
- 4 providing evidence related to the proposed
- 5 transportation and storage contracts with ANR and Great
- 6 Lakes described in the application, including the
- 7 evaluation process and the characteristics, benefits,
- 8 and term of the proposed arrangements.
- 9 MR. DOUG BEDFORD: Mr. Kostick, before
- 10 I move on to some of the details of the contracts that
- 11 I'd like you to explain to the Board, can you tell the
- 12 Board what your role and responsibilities are at Centra
- 13 Gas, generally, your job title?
- 14 MR. NEIL KOSTICK: My job title is
- 15 Project Leader, and I have held that position for
- 16 approximately two (2) years. And one (1) of the key
- 17 areas of responsibility was leading the project team
- 18 that engaged in the evaluation of portfolio
- 19 alternatives and ultimately negotiating and reaching
- 20 agreement on a suite of services that we ultimately
- 21 decided on with ANR and Great Lakes.
- MR. DOUG BEDFORD: Can you please
- 23 describe for us some of the key features of the
- 24 proposed transportation and storage portfolio and how
- 25 it differs from the current one?

- 1 MR. NEIL KOSTICK: Certainly. The
- 2 proposed storage and transportation portfolio has a
- 3 number of features that are similar to the current
- 4 portfolio that has served Centra reliably for almost
- 5 twenty (20) years.
- At the same time, the proposed portfolio
- 7 has a number of new features that improve flexibility
- 8 and access to supply, with no erosion of reliability or
- 9 security of supply.
- 10 Even with these enhancements, Centra's
- 11 rate payers will enjoy a reduction in the annual fixed
- 12 costs of the portfolio from 17 million to 14 million US
- 13 dollars per year, or a reduction of \$3 million per
- 14 year.
- The proposed portfolio features a
- 16 similar level of total storage capacity of 15 1/2
- 17 petajoules. A new feature of the storage capacity is
- 18 that it would include 7.4 petajoules of annual storage,
- 19 which allows for winter injections and cycling of
- 20 inventory up to one point four (1.4) times per year.
- In conjunction with this annual storage,
- 22 Centra proposes to hold winter transportation capacity
- 23 from the Chicago market to storage, providing a highly
- 24 liquid source of supply to manage the storage levels
- 25 through winter injections. In addition, storage

- 1 deliverability is proposed to increase by about 7,000
- 2 gigajoules per day.
- 3 Regarding summer operations, total
- 4 summer transportation capacity to storage will be
- 5 reduced by about 25 percent, which will provide annual
- 6 fixed cost savings. This summer storage fill can be
- 7 accomplished through a combination of Western Canadian
- 8 supply, Chicago supply, and Michigan supply purchased
- 9 at storage.
- 10 All of the proposed storage and
- 11 transportation contracts are discounted below the ANR
- 12 and Great Lakes tariff rates. These discounted rates
- 13 cannot rise over the course of the contract term.
- 14 Centra was also able to secure renewal rights on all
- 15 contracts.
- 16 MR. DOUG BEDFORD: Can you describe for
- 17 us, please, the process that Centra Gas undertook to
- 18 evaluate various transportation and storage options
- 19 before you began exploring in detail negotiations with
- 20 ANR and Great Lakes Gas, the proposals and the
- 21 contracts that are before us?
- MR. NEIL KOSTICK: As the parties
- 23 attending this hearing are aware, Centra's current ANR
- 24 and Great Lakes transportation and storage arrangements
- 25 expire March 31st, 2013.

- 1 In anticipation of the expiry of these
- 2 contracts, Centra investigated a wide range of storage
- 3 and transportation options, including consideration of
- 4 sources of natural gas supply that could be accessed
- 5 through such arrangements.
- 6 Upon examining an array of
- 7 geographically dispersed options and the costs and
- 8 operational considerations associated with those
- 9 options, Centra determined that a portfolio that
- 10 included storage located in the Michigan or Southern
- 11 Ontario region would be the most reliable and cost-
- 12 effective option.
- 13 Centra then held detailed discussions
- 14 with storage operators in this region, which included
- 15 discussion of service attributes, rates, and
- 16 interconnections with regional pipelines.
- 17 Proposals were received from four (4)
- 18 storage operators in this region. This allowed for the
- 19 short list -- short-listing of storage operators based
- 20 on the evaluation of reliability characteristics, the
- 21 cost of storage services, and other costs that may not
- 22 be under the storage operator's control, such as the
- 23 cost of transportation to and from the storage
- 24 operator's facilities.
- The discussions also allowed Centra to

- 1 evaluate other considerations, such as access to
- 2 supply, supply diversity, and portfolio flexibility.
- 3 MR. DOUG BEDFORD: Is this the extent
- 4 of the analysis that was conducted?
- 5 MR. NEIL KOSTICK: No, it was really
- 6 just the start of the analysis. Upon short-listing the
- 7 two (2) leading storage operators, extensive
- 8 negotiations ensued which involved ongoing discussion
- 9 of rates and services.
- 10 These discussions provided the
- 11 transportation and storage input data used in the
- 12 optimization modelling that Centra conducted. The
- 13 modelling also used forward price curves from various
- 14 supply hubs that were derived from futures prices as
- 15 well as price curves from a proprietary forecast
- 16 provided by a consultant.
- 17 An iterative process ensued in which the
- 18 model results would form the basis for further
- 19 negotiation of rates and services. After several
- 20 iterations of this process, final model results were
- 21 obtained for the two (2) leading candidates and were
- 22 compared.
- 23 On a total cost basis, the two (2)
- 24 candidates were very close, less than 1 percent apart,
- 25 with the ANR and Great Lakes storage and transportation

- 1 portfolio generally having a small cost advantage.
- 2 These model results were reported in Tab 7 of the
- 3 application.
- 4 MR. DOUG BEDFORD: Mr. Kostick, given
- 5 that the model results were so close, how is it that
- 6 Centra was able to decide what the best storage and
- 7 transportation portfolio was for its circumstances?
- MR. NEIL KOSTICK: In selecting the ANR
- 9 and Great Lakes portfolio over option B, Centra looked
- 10 at other key factors beyond cost, starting with
- 11 reliability. ANR and Great Lakes have, to date,
- 12 flawlessly delivered Centra's storage gas to Manitoba,
- 13 including accommodation of intra-day and late-night
- 14 modifications to storage withdrawals.
- ANR is ideally situated and connected to
- 16 Great Lakes in Michigan, providing greater assurance of
- 17 ANR's ability to deliver Centra's storage gas to Great
- 18 Lakes under constrained operating conditions.
- 19 The ANR and Great Lakes portfolio also
- 20 provides the ability to diversify from Western Canadian
- 21 supply transported on TransCanada using both Chicago
- 22 and Michigan supply.
- 23 Chicago is the most liquid natural gas
- 24 hub in the region and one (1) of the most liquid in
- 25 North America. In comparison, the option B portfolio

- 1 did not provide access to the Chicago market and placed
- 2 greater reliance on supply at a single alternative hub
- 3 to Western Canadian supply.
- 4 MR. DOUG BEDFORD: Do you have any
- 5 other comments in relation to the evaluation process or
- 6 Centra's modelling results?
- 7 MR. NEIL KOSTICK: An important point
- 8 related to portfolio modelling is that the model
- 9 optimizes on the basis of minimizing costs on a total
- 10 portfolio basis. The model used twenty (20) years of
- 11 weather and selects a best-fit storage and
- 12 transportation portfolio that minimizes costs over a
- 13 range of Manitoba weather conditions.
- 14 To accomplish this, the model has to
- 15 consider all inputs, including weather, the price of
- 16 gas from various hubs, and the rates and stor -- and
- 17 the rates for storage and transportation services,
- 18 including the rates resulting from Centra's
- 19 negotiations.
- 20 When it comes to Manitoba weather, it
- 21 goes without saying that there will be mi -- mild
- 22 winters and cold winters that can't be predicted in
- 23 advance. It's Centra's job to implement a portfolio
- 24 that can accommodate a wide range of weather outcomes
- 25 in a cost-effective manner. And the model -- model

- 1 results assist in this regard.
- MR. DOUG BEDFORD: Mr. Kostick, please
- 3 comment on Centra's choice of 15.5 petajoules of
- 4 storage capacity in the proposed portfolio in relation
- 5 to the modelling results that you've described.
- 6 MR. NEIL KOSTICK: As reported in Tab 7
- 7 of the application, Centra ran four (4) different
- 8 natural gas price curves in the model. In each case
- 9 the model selected a single best-fit storage capacity
- 10 that minimizes costs over the twenty (20) years of
- 11 weather in the model.
- 12 For ANR storage, using the two (2) price
- 13 curves derived from futures prices, the average best-
- 14 fit storage capacity was 15 1/2 petajoules. Using the
- 15 two (2) price curves from the consultant, the average
- 16 best-fit storage capacity was 17.6 petajoules.
- 17 These results include consideration of
- 18 both warm years and cold years and the cost of storage
- 19 capacity that Centra negotiated with ANR. This annual
- 20 -- this annual cost amounts to just over two hundred
- 21 and eighty thousand dollars (\$280,000) per year -- per
- 22 year per petajoule of capacity.
- 23 So the model minimizes costs on a total
- 24 portfolio basis while taking into account twenty (20)
- 25 years of weather and the cost of ANR storage capacity.

- 1 And the results do not support a reduction in storage
- 2 capacity from the current 15 1/2 petajoules.
- I think it's also worth noting that the
- 4 twenty (20) years of weather in the model were the most
- 5 recent twenty (20) years, which does not include the
- 6 coldest year on record. So in other words, the model -
- 7 the model results were not unduly influenced by a
- 8 single year's cold weather with respect to sizing
- 9 storage capacity.
- 10 MR. DOUG BEDFORD: Was any other
- 11 analysis conducted that supported Centra's portfolio
- 12 decision-making process?
- MR. NEIL KOSTICK: Yes. Centra engaged
- 14 the services of a consultant to perform its own
- 15 modelling of Centra's two (2) short-listed candidates
- 16 as a check, if you will, on Centra's modelling results.
- 17 The modelling approach taken by the
- 18 consultant was somewhat different in the sense that
- 19 rather than selecting a single best-fit storage and
- 20 transportation portfolio for a wide range of weather
- 21 scenarios, the consultant's model produced discreet
- 22 portfolios for each weather scenario.
- 23 Although the approach differed, the
- 24 consultant's results in aggregate were directionally
- 25 similar to Centra's results, that the ANR portfolio had

- 1 a slight total cost advantage over option B, that
- 2 injections of Western Canadian supply into storage were
- 3 economic, and storage capacity was directionally
- 4 similar in not supporting a reduction from the current
- 5 15 1/2 petajoules.
- 6 MR. DOUG BEDFORD: Mr. Kostick,
- 7 comment, please, on the suggestion that storage
- 8 capacity should only be sized to accommodate normal
- 9 weather with no consideration of colder than normal
- 10 weather.
- 11 MR. NEIL KOSTICK: Well, for starters,
- 12 colder than normal weather can be expected to occur 50
- 13 percent of the time. So potentially running out of
- 14 storage gas during winter would become a frequent
- 15 event.
- I think there's generally two (2)
- 17 perspectives on using natural gas storage: that of a
- 18 local distribution company like -- or -- or an LDC,
- 19 like Centra, and that of a natural gas marketer.
- 20 In the case of an LDC, like Centra, the
- 21 LDC is responsible for serving a particular market on a
- 22 long-term basis, which includes serving that market's
- 23 natural gas requirements in both the warmest and the
- 24 coldest years. The LDC has to plan its assets
- 25 accordingly, including the size of storage.

- 1 A marketer, on the other hand, has no
- 2 long-term market to serve and will select storage
- 3 capacity based on its appetite to buy gas into storage
- 4 and then sell it to generate a profit by exploiting the
- summer/winter price differentials or shor -- short-term
- 6 price volatility.
- 7 It generally wouldn't select capacity,
- 8 considering the need to serve a particular weather-
- 9 sensitive market like Manitoba that can have wide-
- 10 ranging natural gas requirements.
- 11 Where an LDC like Centra and a gas
- 12 marketer would likely agree is that completely
- 13 depleting storage is not a goal. After all, if you
- 14 paid for storage capacity and it's sitting empty, it
- 15 can't provide any value.
- 16 MR. DOUG BEDFORD: Mr. Kostick, what
- 17 are the consequences of running out of storage gas in
- 18 the winter?
- 19 MR. NEIL KOSTICK: Not having access to
- 20 storage gas would make it more difficult and more
- 21 costly to serve the Manitoba market requirement for
- 22 natural gas in winter.
- 23 Manitoba is, of course, a cold-weather
- 24 market that is largely characterized by residential and
- 25 commercial space heating requirements. As a result,

- 1 Centra serves a Manitoba natural gas load that is more
- 2 variable and volatile than virtually any other market
- 3 in North America.
- 4 This drives a significant need for swing
- supply, which is the ability to nominate gas volumes in
- 6 highly variable quantities on a day-ahead basis and an
- 7 intra-day basis, or within the day, and that includes
- 8 even when natural gas markets are closed.
- 9 Storage is Centra's largest and most
- 10 reliable source of swing supply and is Centra's primary
- 11 tool to serve the Manitoba market's weather-driven
- 12 winter gas requirements. Without access to storage
- 13 gas, Centra would need to acquire other supply, which
- 14 would be less flexible, less reliable, and potentially
- 15 more expensive.
- 16 The consequence would certainly be
- 17 higher balancing fees on the upstream pipeline,
- 18 TransCanada, as it would -- as it would be difficult to
- 19 match supply with daily Manitoba demand for natural
- 20 gas.
- 21 MR. DOUG BEDFORD: Mr. Kostick, it has
- 22 been suggested that local distribution companies like
- 23 Centra Gas can take whatever gas they need from the
- 24 TransCanada pipeline and that a reduced ability to meet
- 25 Manitoba's daily winter gas requirement should not

- 1 really be of great concern, as it would simply be a
- 2 matter of paying higher penalty fees to TransCanada
- 3 pipeline. Comment, please, on this.
- 4 MR. NEIL KOSTICK: Certainly. I think
- 5 any upstream pipeline would find the view that shippers
- 6 can take whatever gas they need from the pipe to be
- 7 quite alarming. The balancing penalties are in place
- 8 to ensure LDCs operate responsibly in matching gas
- 9 supply with gas demand.
- This includes not only daily penalty
- 11 fees for being out of balance, but cumulative penalty
- 12 fees as well. The cumulative fees apply every day
- 13 until the gas owed is made up by way of incremental
- 14 deliveries to TransCanada. This can be a problem
- 15 during consecutive days of cold weather in which Centra
- 16 may already be maximizing its deliveries to Manitoba
- 17 and has no excess capacity to make up the gas that is
- 18 owed.
- 19 TransCanada also has the further ability
- 20 to declare emergency operating conditions in which
- 21 severe financial penalties can be assessed to shippers
- 22 taking any gas from the pipeline that is not theirs.
- 23 This can potentially amount to millions of dollars in
- 24 penalties per day.
- MR. DOUG BEDFORD: Do you anticipate

- 1 any operational changes resulting from the increased
- 2 flexibility associated with the proposed storage and
- 3 transportation portfolio that's being considered by
- 4 this Board?
- 5 MR. NEIL KOSTICK: Yes. Centra expects
- 6 to gener -- generally rely more heavily on storage
- 7 withdrawals in the proposed portfolio which will enable
- 8 less reliance on Western Canadian supply transported on
- 9 TransCanada. The new ability to refill storage in
- 10 winter and the corresponding firm winter transportation
- 11 from the Chicago market to storage make this approach
- 12 viable as it provides the assurance that Centra will
- 13 not lose critical access to swing supply from -- from
- 14 storage during the winter.
- 15 MR. DOUG BEDFORD: Is it conceivable
- 16 that the proposed new flexibility to refill storage in
- 17 winter could allow Centra to reduce storage capacity
- 18 below the 15.5 petajoules that I asked you about
- 19 earlier?
- 20 MR. NEIL KOSTICK: The modelling that
- 21 Centra performed took the ability to refill storage in
- 22 winter into account. Over twenty (20) weather
- 23 scenarios and among many other factors, the model
- 24 evaluated the cost of the storage capacity against the
- 25 cost of increased winter gas purchases that would be

- 1 necessary with less storage. The model -- model
- 2 results suggest that 15 1/2 petajoules of storage
- 3 capacity is appropriate to minimize the total portfolio
- 4 costs combined with generally pulling harder on -- on
- 5 storage gas with the ability to refill storage in
- 6 winter with Chicago supply.
- 7 MR. DOUG BEDFORD: Do you have any
- 8 other general comments on the value of storage to
- 9 Centra Gas?
- 10 MR. NEIL KOSTICK: Yes. More than
- 11 perhaps any other market, the Manitoba natural gas load
- 12 is heavily weighted to winter demand, and summer
- 13 purchases -- summer purchases for injection into
- 14 storage help provide more balanced annual purchasing.
- 15 This also contributes to rate stabilization for
- 16 customers, as gas purchased throughout the summer at
- 17 varying prices is later withdrawn in winter at a single
- 18 weighted average price.
- 19 ARM and Great Lakes storage and
- 20 transportation arrangements also provide diversity to
- 21 Centra's portfolio. This diversity includes supply
- 22 access at the Chicago and Michigan markets and
- 23 transportation diversity by providing a second
- 24 transportation path to Manitoba. Transportation
- 25 diversity is both a cost and a reliability

- 1 consideration.
- 2 MR. DOUG BEDFORD: Please comment on
- 3 the seven (7) year term of the ANR Pipeline Company and
- 4 Great Lakes Gas Transmission LP arrangements.
- 5 MR. NEIL KOSTICK: Centra is very
- 6 pleased to have secured these discounted storage and
- 7 transportation arrangements for an intermediate term of
- 8 seven (7) years. The discounted rates obtained by
- 9 Centra cannot increase over the seven (7) term and
- 10 secure as cost-effective access to the US market for
- 11 reliability and supply diversity.
- 12 MR. DOUG BEDFORD: What would have been
- 13 the risks associated with a shorter term?
- 14 MR. NEIL KOSTICK: In light of the
- 15 discounted rates secured by Centra, a shorter term
- 16 places Centra at risk of having to recontract for
- 17 similar services at higher rates sooner than it would
- 18 under a seven (7) year term. In some cases, such as
- 19 the Great Lakes winter transportation to Manitoba,
- 20 rates that are closer to the maximum tariff rate could
- 21 add millions of dollars to the cost of Centra's
- 22 portfolio annually.
- 23 Also, at the end of any contract term
- 24 Centra could be required to match a competing bid to
- 25 maintain its ANR and Great Lakes capacity which could

- 1 include having to match a longer term than desired.
- MR. DOUG BEDFORD: Does a seven (7)
- 3 year term mean that Centra Gas cannot respond to
- 4 changing market conditions?
- 5 MR. NEIL KOSTICK: Not at all. This
- 6 premise assumes that if a particular market or
- 7 regulatory outcome appears to increase the
- 8 attractiveness of an alternative portfolio, that Centra
- 9 should respond by making radical portfolio changes -
- 10 for example, abandoning storage and transportation in
- 11 the US. This would basically require a conscious
- 12 decision to abandon any element of portfolio diversity,
- 13 when everything we know about energy markets suggests
- 14 that ongoing change will continuously impact the val --
- 15 the relative values of alternative portfolios.
- 16 Within the term of the proposed ANR and
- 17 Great Lakes arrangements, Centra can respond
- 18 appropriately to changes in market conditions.
- 19 MR. DOUG BEDFORD: And are there
- 20 particular ways that Centra Gas can respond to changes?
- 21 MR. NEIL KOSTICK: Absolutely. The
- 22 proposed storage and transportation arrangements
- 23 provide for supply diversity and the flexibility to
- 24 adjust supply acquisition among different sources of
- 25 supply. Centra can also release capacity and adjust

- 1 its TransCanada contract levels in response to changing
- 2 market conditions.
- 3 MR. DOUG BEDFORD: Mr. Kostick, before
- 4 we move to Mr. Sanderson, do you have any other general
- 5 comments about the proposed transportation and storage
- 6 contracts with ANR and Great Lakes?
- 7 MR. NEIL KOSTICK: Yes. I would simply
- 8 like to observe that Centra has secured a number of
- 9 beneficial outcomes in the proposed arrangements that,
- 10 in aggregate, can be quite difficult to achieve.
- 11 These include fixed discounted rates on
- 12 all contracts, renewal rights on all contracts,
- 13 increased operational flexibility, improved access to
- 14 liquid supply at Chicago, no reduction in reliability
- 15 or security of supply, and an 18 percent reduction in
- 16 costs amounting to savings of 3 million US dollars per
- 17 year.
- MR. DOUG BEDFORD: Thank you, Mr.
- 19 Kostick. Mr. Sanderson, would you tell us please what
- 20 topics are your responsibility on this panel this week?
- MR. BRENT SANDERSON: Good morning, Mr.
- 22 Chairman, members of the Public Utilities Board, ladies
- 23 and gentlemen. In my testimony I will be providing
- 24 evidence relating to the North American natural gas
- 25 markets, market pricing data, modelling and forecasting

- 1 methodologies.
- MR. DOUG BEDFORD: And, Mr. Sanderson,
- 3 before we move to some more detailed questions, would
- 4 you please tell the Board what your job title at Centra
- 5 Gas is?
- 6 MR. BRENT SANDERSON: I am the manager
- 7 of the gas market analysis and administration
- 8 department.
- 9 MR. DOUG BEDFORD: What, then, will be
- 10 your role in implementing the contracts that are the
- 11 subject of this application?
- MR. BRENT SANDERSON: My staff and I
- 13 will be responsible for working with Ms. Stewart's
- 14 area, in order to model the planned operation of the
- 15 new portfolio and serving our customers' requirements
- 16 in the development of Centra's annual purchased gas
- 17 cost budget.
- 18 MR. DOUG BEDFORD: In developing and
- 19 negotiating the proposed portfolio what, from your
- 20 perspective, were Centra's key considerations?
- 21 MR. BRENT SANDERSON: As covered
- 22 earlier by both Mr. Warden and Mr. Kostick, Centra's
- 23 key considerations were the maintenance of reliable
- 24 service to customers, an increase in operational
- 25 flexibility, diversification of sources of natural gas

- 1 supply, and reduction in our costs to the extent
- 2 possible.
- MR. DOUG BEDFORD: Tell us, please,
- 4 what has happened in the North American natural gas
- market in the recent past that is of relevance to those
- 6 objectives?
- 7 MR. BRENT SANDERSON: The most notable
- 8 development has been the rapid commercialization of
- 9 previously uneconomic sources of unconventional natural
- 10 gas. This has led to the opening of numerous new
- 11 production basins throughout North America, many of
- 12 which are adjacent to major demand centres that
- 13 previously had to import their entire natural gas
- 14 requirement from basins on the other side of the
- 15 continent.
- 16 This has led to dramatic shifts in
- 17 natural gas transportation patterns that has
- 18 increasingly left some established pipelines with
- 19 rapidly deteriorating business models, as their former
- 20 shippers source their natural gas supply from basins
- 21 much closer to their own market centres.
- MR. DOUG BEDFORD: Would you explain
- 23 for us, please, your reference to "unconventional gas"?
- 24 MR. BRENT SANDERSON: "Unconventional
- 25 gas" is a blanket term used to describe sources of

- 1 natural gas that until recently were thought to be too
- 2 technologically challenging to produce with today's
- 3 technology, at prevailing market prices.
- 4 Unconventional natural gas can take a
- 5 number of different forms. Coalbed methane is one (1)
- 6 source whose production has grown significantly over
- 7 the past fifteen (15) years. Shale gas is the most
- 8 notable example in the past five (5) years. And, in
- 9 addition, given recent research breakthroughs, methane
- 10 hydrates promise to be the next frontier source of
- 11 unconventional gas that we can expect to achieve
- 12 commercialization within the next ten (10) to twenty
- 13 (20) years. With applied learning and improvements in
- 14 exploration and production technologies, over time
- 15 unconventional gas becomes conventional gas.
- 16 MR. DOUG BEDFORD: And is this growth
- 17 confined to regions where natural gas has been
- 18 traditionally found?
- MR. BRENT SANDERSON: No, it has not.
- 20 While traditional conventional natural gas basins are
- 21 often rich in some of the previously mentioned sources
- 22 of unconventional supply -- both the Western Canadian
- 23 Sedimentary Basin in Alberta and the Texas, Oklahoma,
- 24 and Louisiana production regions come to mind, large
- 25 reserves of unconventional gas are now being developed

- 1 in areas that previously had no natural gas production
- 2 to speak of.
- 3 Such areas include the high-demand
- 4 centres of the US northeast underlaid by the Marcellus
- 5 shale as well as the Antrim shale in Michigan and the
- 6 Utica shale in Quebec.
- 7 MR. DOUG BEDFORD: Tell us, please,
- 8 about the cost structure that producers are expecting
- 9 to achieve with the application of new production
- 10 technologies.
- MR. BRENT SANDERSON: The use of
- 12 advanced new technologies, such as four (4) dimensional
- 13 seismic imaging over the four (4) dimensions of length,
- 14 height, width, and time, along with preproduction
- 15 supercomputer modelling of hydrocarbon-bearing geologic
- 16 formations has served to reduce exploration and
- 17 production -- production risk such that producers now
- 18 routinely refer to unconventional natural gas
- 19 production as gas manufacturing.
- 20 In addition, combining the use of long-
- 21 standing oil and gas drilling and production and
- 22 techniques, such as multiple directional horizontal
- 23 drilling and hydraulic fracturing, has increased
- 24 efficiency and brought down the cost structure of the
- 25 natural gas industry dramatically in recent years.

- 1 A typic -- typical example is Apache's
- 2 announcements last week of its confirmation of 48
- 3 trillion cubic feet of marketable gas with the
- 4 potential for as much as 210 trillion cubic feet in the
- 5 Liard basin in northern British Columbia.
- 6 Apache expects production from the basin
- 7 to be profitable at market prices of approximately two
- 8 dollars and fifty cents (\$2.50) per gigajoule over the
- 9 long term. By comparison, natural gas market prices
- 10 average closer to seven dollars (\$7) a gigajoule for
- 11 most of the first decade of the 21st Century with
- 12 prices spiking to well in excess of ten dollars (\$10)
- 13 per gigajoule on a number of occasions.
- 14 MR. DOUG BEDFORD: And before I ask Ms.
- 15 Stewart a few questions, can you tell us, please, Mr.
- 16 Sanderson, in light of the changes that you've just
- 17 described for us that are taking place in the world of
- 18 natural gas, should Centra Gas be seeking more or less
- 19 diversity in its planning?
- 20 MR. BRENT SANDERSON: More diversity,
- 21 Mr. Bedford. By developing a storage and
- 22 transportation portfolio that allows Centra to
- 23 diversify its natural gas purchases amongst a variety
- 24 of very liquid hubs, Centra can reduce the volatility
- 25 of its costs while in no way inhibiting its ability to

- 1 achieve the lowest long-run costs for its upstream
- 2 supply, storage, and transportation, that being the
- 3 broad average market price for those products and
- 4 services over time.
- 5 MR. DOUG BEDFORD: Thank you. Ms.
- 6 Stewart, what topics are your responsibilities on this
- 7 panel this week?
- MS. LORI STEWART: Good morning, Mr.
- 9 Chairman, members of the Board, ladies and gentlemen.
- 10 In my testimony I will be providing evidence related to
- 11 the operation of the proposed portfolio of
- 12 transportation and storage assets and TransCanada
- 13 mainline matters.
- 14 MR. DOUG BEDFORD: What is it that you
- 15 do at Centra Gas?
- 16 MS. LORI STEWART: My team and I
- 17 operate and optimize our portfolio of gas supply,
- 18 transportation, and storage assets. This includes
- 19 portfolio planning on a daily, weekly, monthly,
- 20 seasonal, and annual basis to serve the requirements of
- 21 the Manitoba market by arranging and scheduling gas
- 22 supplies and performing these functions from the
- 23 perspective of optimizing the portfolio for the benefit
- 24 of Manitoba natural gas ratepayers. I also manage
- 25 Centra's relationship with TransCanada Pipeline.

55 MR. DOUG BEDFORD: And what will you do 1 to implement the contracts that are the subject of this application? 3 MS. LORI STEWART: The proposed contracts will be turned over to my team to operate and optimize. We will be closing out our use of the 7 existing US asset portfolio this winter of 2012/'13 and preparing for the transition to the new portfolio, which will provide us with more operating flexibility. 10 MR. DOUG BEDFORD: What do you mean by 11 "more operating flexibility"? 12 MS. LORI STEWART: The ability to cycle 13 storage should provide Centra with a significant 14 advantage over the previous arrangements. The proposed 15 portfolio includes annual storage capacity, which effectively provides Centra with the ability to cycle 17 an additional 3.1 million GJs, or 3.1 petajoules, 18 through storage annually. 19 This flexibility will allow Centra to reduce its TransCanada mainline capacity to Manitoba in the winter and to reduce the associated costs. 21 22 Additionally, there is a greater opportunity to 23 diversify our gas purchases. We can adjust our gas 24 purchases to acquire either more or less US supplies from Chicago and Michigan, relative to the Western

- 1 Canadian Sedimentary Basin, in response to changing
- 2 market circumstances.
- 3 MR. DOUG BEDFORD: Mr. Sanderson told
- 4 us about the changes in the natural gas market in North
- 5 America. Can you tell us what these changes mean with
- 6 regard to North American natural gas pipelines?
- 7 MS. LORI STEWART: Yes. Traditional
- 8 flow patterns across the North American pipeline grid
- 9 are changing as a result of the natural gas market
- 10 evolution. Transportation infrastructure is being
- 11 built out to facilitate areas of significant market
- 12 demand, like the US northeast, in accessing natural gas
- 13 from basins closer to home. Traditional export points
- 14 on the TransCanada mainline, such as Niagara and
- 15 Chippewa are being reconfigured to allow physical
- 16 import of US gas to Canadian markets.
- 17 Closer to home, TransCanada reconfigured
- 18 its meter station at Emerson recently, to facilitate
- 19 bi-directional flow and the null point on Great Lakes,
- 20 which is the point at which physical flows intersect,
- 21 continues to shift west on a pipeline that has
- 22 historically moved gas from west to east. In the case
- 23 of the TransCanada mainline, this is driving
- 24 reassessment of the use of existing assets and
- 25 TransCanada itself is discussing the re-purposing of

- 1 some portion of these assets.
- MR. DOUG BEDFORD: The National Energy
- 3 Board, Ms. Stewart, is currently holding public
- 4 hearings with regards to the TransCanada mainline
- 5 system. Why is Centra Gas intervening in that
- 6 proceeding?
- 7 MS. LORI STEWART: Centra is
- 8 intervening in that proceeding because the TransCanada
- 9 mainline physically transports all natural gas supplies
- 10 that are consumed in Centra's service territory. As a
- 11 result, the services provided by the mainline and their
- 12 associated tolls are very important to Centra's
- 13 operations.
- 14 MR. DOUG BEDFORD: And can you please
- 15 provide us with an update on the current National
- 16 Energy Board hearing on the TransCanada pipeline?
- 17 MS. LORI STEWART: The NEB hearing
- 18 commenced on June the 4th in Calgary. A key
- 19 development at that time was TransCanada's announcement
- 20 that it was going to restate its throughput and related
- 21 assumptions contained in its application.
- On June the 13th, TransCanada offered
- 23 some high level comments about its revised forecast.
- 24 Firstly, TransCanada has lowered its 2012 North
- 25 American natural gas price forecast, relative to its

- 1 2011 forecast, for the remainder of this decade, by
- 2 approximately a dollar forty (\$1.40) US per million
- 3 BTUs, in 2010 dollars, on an annual average basis.
- 4 Secondly, receipt volumes are now
- 5 expected
- 6 to be, on average, approximately 1 billion cubic feet
- 7 per day lower, or 1 Bcf, for the 2013 to 2020 forecast
- 8 period. This is in part as a result of the lower gas
- 9 price forecast contributing to a lower western Canadian
- 10 supply basin supply forecast, and in part due to
- 11 TransCanada now factoring in the commencement of west
- 12 coast liquified natural gas, or LNG, exports towards
- 13 the end of this decade.
- 14 The third important point is that the
- 15 tolls originally proposed by TransCanada last fall in
- 16 its application are no longer valid and, in fact, are
- 17 too low. It would appear now that the tolls for 2013
- 18 will be at least 30 percent higher than those
- 19 originally presented in the application.
- 20 MR. DOUG BEDFORD: And before we turn
- 21 to Mr. Barnlund do you have any closing comments, Ms.
- 22 Stewart, that you would like to make with respect to
- 23 the proposed portfolio?
- 24 MS. LORI STEWART: Yes, I would like to
- 25 say that we are pleased to be continuing to work with

- 1 ANR and Great Lakes Gas Transmission, given our
- 2 positive experience with them over the past twenty (20)
- 3 years as service providers. The proposed portfolio
- 4 will maintain the high reliability standard we have met
- 5 for many years now, while providing the flexibility to
- 6 adapt to changing market conditions, improved supply
- 7 diversity, and access to liquid sources of physical
- 8 natural gas supplies, and reduced portfolio costs.
- 9 MR. DOUG BEDFORD: Thank you. Mr.
- 10 Barnlund, would you please introduce yourself to the
- 11 panel.
- 12 MR. GREG BARNLUND: Good morning, Mr.
- 13 Chairman, members of the Public Utilities Board, ladies
- 14 and gentlemen. I am the manager of the regulatory
- 15 services department and I'm here to testify on behalf
- 16 of this application and the regulatory process
- 17 associated with this application.
- 18 MR. DOUG BEDFORD: Mr. Barnlund, Mr.
- 19 Warden has already described the approvals that Centra
- 20 Gas is seeking. Can you briefly touch on the steps
- 21 that have brought us here to this point today?
- 22 MR. GREG BARNLUND: Yes. Tab 4 of our
- 23 application provides the chronology of the events that
- 24 have transpired since 2010 with regard to this matter,
- 25 and I would like to summarize them.

- 1 In 2010 Centra proposed a process for
- 2 the replacement of its storage and transportation
- 3 contracts that we know are set to expire on March 31st,
- 4 2013. That process included public engagement with
- 5 interested parties on the matter prior to advancing a
- 6 proposal to the Public Utilities Board for approval.
- 7 In order to provide for this public consultation Centra
- 8 proposed to distribute a discussion paper on the state
- 9 of the natural gas energy market in North America and
- 10 the alternatives that Centra could consider in
- 11 replacement of its storage and transportation
- 12 arrangements.
- The process envisioned that a public
- 14 technical conference would be held in 2011, after the
- 15 distribution of the discussion paper, to provide an
- 16 opportunity for Centra and interested parties to
- 17 discuss the issues in as an open a manner as possible.
- MR. DOUG BEDFORD: Were there any
- 19 changes made to that process?
- MR. GREG BARNLUND: Yes, there were.
- 21 As noted in Public Utilities Board Order 65 of '11
- 22 additional steps were added to the process. Interested
- 23 parties were given the opportunity to ask information
- 24 requests of Centra after the close of the technical
- 25 conference. Furthermore, stakeholders were then

- 1 invited to provide Centra and the Public Utilities
- 2 Board with written submissions giving their positions
- 3 on the matters at hand.
- 4 MR. DOUG BEDFORD: And was this process
- 5 followed?
- 6 MR. GREG BARNLUND: Yes. On June 27th,
- 7 2011, almost a year ago to the day, Centra provided a
- 8 comprehensive discussion paper which included a report
- 9 known as "The Review of Natural Gas Portfolio Options
- 10 for Centra Gas." This report was authored by ICF
- 11 Consulting International.
- 12 MR. DOUG BEDFORD: And what happened
- 13 thereafter?
- 14 MR. GREG BARNLUND: Following the
- 15 distribution of the discussion paper, on July 8th,
- 16 2011, Centra hosted a one (1) day technical conference
- 17 that included a discussion of the natural gas market in
- 18 North America, the storage and transportation options
- 19 that may be available for consideration, and background
- 20 information regarding the TransCanada pipeline's
- 21 mainline situation.
- MR. DOUG BEDFORD: Who was invited to
- 23 attend this technical conference?
- 24 MR. GREG BARNLUND: Centra provided
- 25 notice and an invitation to attend this technical

- 1 conference to all Intervenors of record from past
- 2 Centra rate hearings, all registered natural gas
- 3 marketers in Manitoba, and all large volume industrial
- 4 and commercial customers in Manitoba.
- 5 MR. DOUG BEDFORD: And who actually
- 6 responded to that invitation and attended the
- 7 conference?
- 8 MR. GREG BARNLUND: In addition to PUB
- 9 staff and advisors there was representation from the
- 10 Consumers Association of Canada, Manitoba Inc., the
- 11 Green Action Centre, as well as five (5) large volume
- 12 customer representatives and representatives from three
- 13 (3) natural gas marketers.
- 14 MR. DOUG BEDFORD: And from your
- 15 perception, how was the technical conference received
- 16 by the parties who attended it?
- 17 MR. GREG BARNLUND: I believe that it
- 18 was well-received by the participants and that it
- 19 enabled good communication of the issues and
- 20 opportunities, and provided for a good exchange of
- 21 ideas and discussion of the matters at hand.
- MR. DOUG BEDFORD: And thereafter, were
- 23 interested parties given an opportunity to seek further
- 24 clarification by way of information requests?
- MR. GREG BARNLUND: Yes, all attendees

- 1 were afforded that opportunity. And while Centra only
- 2 received information requests from one (1) party, the
- 3 Public Utilities Board, Centra's responses were
- 4 circulated to all participants on August 15th, 2011.
- 5 MR. DOUG BEDFORD: And in addition,
- 6 were interested parties invited to provide their views
- 7 to Centra in the form of written submissions?
- 8 MR. GREG BARNLUND: Yes, all interested
- 9 parties were invited to make their views and positions
- 10 on these matters known, by way of written submissions,
- 11 by August 29th, 2011. Between August 29th and
- 12 September 2nd, Centra received comments from four (4)
- 13 parties.
- 14 MR. DOUG BEDFORD: And did any or all
- 15 of those parties make specific recommendations or
- 16 suggestions to Centra Gas as to the design of the
- 17 portfolio?
- 18 MR. GREG BARNLUND: While Centra had
- 19 anticipated that parties would provide specific
- 20 comments on the issues around transportation and
- 21 storage, the submissions spoke more to procedural
- 22 matters.
- 23 MR. DOUG BEDFORD: And in terms of the
- 24 continuing process, was there any suggestion that
- 25 another technical conference be held before Centra

- 1 entered into contractual arrangements?
- MR. GREG BARNLUND: There was a
- 3 suggestion that another technical conference ought to
- 4 be considered prior to Centra advancing the proposed
- 5 option to Centra's Board of Directors for their
- 6 approval.
- 7 MR. DOUG BEDFORD: And tell us, please,
- 8 what was Centra Gas' view in response to that
- 9 particular suggestion?
- 10 MR. GREG BARNLUND: There are
- 11 significant challenges to effectively and meaningfully
- 12 engaging stakeholders at that later stage in the
- 13 evaluation and negotiation process. We did not believe
- 14 that we could engage in a further conference that
- 15 focussed on the final options without prejudicing our
- 16 ongoing negotiations with storage providers.
- 17 Centra needed to fully pursue the
- 18 negotiations with storage proponents to meaningfully
- 19 evaluate the costs of the respective proposals. And
- 20 such negotiations and the contents of their proposals
- 21 are clearly commercially sensitive. Further public
- 22 consultation at that stage would expose commercially
- 23 sensitive information and jeopardize our efforts to
- 24 negotiate the most favourable contract at the best
- 25 price.

65 MR. DOUG BEDFORD: And did Centra Gas 1 host a further technical conference after the filing of the application that is before this Board? 3 Yes, we did. 4 MR. GREG BARNLUND: application was filed on March 23rd and a technical conference was held on April 18th. The purpose of that technical conference was to assist the interested 7 parties and Intervenors in obtaining a better understanding of the very technical nature of this evidence. In this way, we believe that Intervenors and 10 11 interested parties would be better able to formulate 12 their information requests of Centra. 13 MR. DOUG BEDFORD: Mr. Barnlund, does 14 Centra Gas propose any changes to the western 15 transportation service, commodity rate design, or the 16 interruptible class with respect to billing percentages 17 in this particular application? 18 MR. GREG BARNLUND: No, not at this 19 time. If you refer to the response to PUB/CENTRA-18-B, we indicate that the adoption of the new portfolio 21 might not result in a substantial change to the 22 proportions of primary gas and supplemental gas that 23 would be billed to customers on a normal-weather basis. 24 MR. DOUG BEDFORD: And finally, what is

the status of Directive 14 from this Board's Order

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1 65/11?
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- 2 MR. GREG BARNLUND: Directive 14
- 3 instructs Centra to propose a process to review
- 4 Centra's rate and service structure, particularly the
- 5 distinction between primary gas and supplemental gas.
- 6 We have been examining this issue and
- 7 expect to advance this discussion through Centra's next
- 8 general rate application.
- 9 MR. DOUG BEDFORD: Thank you, Mr.
- 10 Barnlund. Mr. Chair and panel members, that concludes
- 11 the direct-evidence of Centra Gas' witnesses. We can
- 12 turn them over for cross-examination.
- 13 THE CHAIRPERSON: Thank you all.
- 14 Given the time, I suggest we take ten (10) minutes or
- 15 so. Be back in this room by 11:00, please, and we'll
- 16 start the cross-examination.

17

- 18 --- Upon recessing at 10:52 a.m.
- 19 --- Upon resuming at 11:02 a.m.

- 21 THE CHAIRPERSON: I think everybody's
- 22 here. Let's resume the deliberations. Mr. Peters?
- MR. BOB PETERS: Yes, thank you, Mr.
- 24 Chairman. Good morning to Centra's panel of witnesses
- 25 and their counsel.

- 1 CROSS-EXAMINATION BY MR. BOB PETERS:
- MR. BOB PETERS: Mr. Warden, to start
- 3 things off, you are the senior Centra Gas executive on
- 4 the witness panel and if not by age, certainly by
- 5 corporate job title?
- 6 MR. VINCE WARDEN: You had to bring up
- 7 that age thing again.
- 8 MR. BOB PETERS: But you are the senior
- 9 representative?
- 10 MR. VINCE WARDEN: I am.
- MR. BOB PETERS: Policy questions
- 12 should be directed to you, sir?
- MR. VINCE WARDEN: Yes.
- 14 MR. BOB PETERS: And I apologize to
- 15 you, Mr. Warden, and also to your counsel. I neglected
- 16 to mention in my opening comments that your schedule
- 17 has you pulled between a number of matters and you
- 18 won't be available, I believe it's tomorrow morning and
- 19 also another partial day?
- 20 MR. VINCE WARDEN: Yes, part of the
- 21 time tomorrow morning and all morning on Thursday
- 22 morning.
- MR. BOB PETERS: All right. Thank you.
- 24 Mr. Warden, by way of some preliminary points to just
- 25 make sure that we're clear on, my questions will be

- 1 directed to the witness panel, even if I mention a
- 2 name, and they're open for a response by any witness,
- 3 as I'm seeking the complete corporate answers for the
- 4 Board.
- 5 Would that be acceptable and understood?
- 6 MR. VINCE WARDEN: Yes, that's
- 7 acceptable and understood. Thank you.
- MR. BOB PETERS: And another matter,
- 9 Mr. Warden, when I read the transcript I sometimes have
- 10 a -- a bad habit of using the word "you", Y-O-U, when I
- 11 ask questions. And if I relapse into that mode, I'm
- 12 actually wanting to refer the witness to answer on
- 13 behalf of Centra and my questions seek a response on
- 14 behalf of the Corporation. I'm not looking for any
- 15 personal positions or viewpoints of any specific
- 16 witnesses, only that of the Corporation.
- 17 Would that also be acceptable?
- MR. VINCE WARDEN: Yes.
- 19 MR. BOB PETERS: Lastly, I think, Mr.
- 20 Warden, in terms of confidentiality to you and your
- 21 witnesses, my questions are not intended to elicit
- 22 information that Centra considers confidential be
- 23 placed on the public record.
- 24 If any witnesses consider their direct
- 25 answer to my questions may disclose confidential

- 1 information, the witness should advise me and the
- 2 Board, either directly or through Mr. Bedford, that
- 3 they decline to answer, as the conf -- as the answer
- 4 would be confidential.
- 5 Then based on the question, I'll either
- 6 rephrase my question, or if the information is
- 7 considered relevant and required by the Board, then we
- 8 can work with Mr. Bedford as well as Messrs. Meronek
- 9 and Masi, as well as the PUB's Rule 13 to see if we can
- 10 address any confidentiality concerns, and we can report
- 11 that back to the Board.
- Would that be acceptable?
- MR. VINCE WARDEN: Yes, that's fine,
- 14 thank you.
- MR. BOB PETERS: All right. All right.
- 16 And speaking of confidential information, am I correct
- 17 in understanding that due to Centra's concerns that
- 18 certain responses to requests for proposals from the
- 19 various proponents contain commercially sensitive
- 20 information, the proponents not selected by Centra are
- 21 identified as parties B, 'C', and, 'D' throughout these
- 22 proceedings, rather than by their business name?
- MR. VINCE WARDEN: Correct.
- 24 MR. BOB PETERS: However, Centra does
- 25 file ANR's and Great Lakes Gas Transmission, or GLGT's,

70 term sheet that underpins Centra's eight (8) contracts if the fixed prices and the fixed costs are approved by this Board? 3 MR. VINCE WARDEN: Yes. 5 MR. BOB PETERS: And, Mr. Warden, it's customary for Centra's board of directors to endorse the applications before they're filed with the Public 7 Utilities Board. Is that correct? 9 MR. VINCE WARDEN: It is. 10 MR. BOB PETERS: And when did -- well, I -- I -- maybe I can ask it this way. I think from 11 12 one (1) of the IR responses, I have February 28th of 13 2012, as the date that Centra's board of directors 14 approved moving this matter forward to the Public 15 Utilities Board? 16 MR. VINCE WARDEN: Yes, that's correct. 17 MR. BOB PETERS: I quess, still by way 18 of some introductory questions, Mr. Warden, for you and 19 your witness panel, the witnesses have all been provided with a copy of a book of documents that I've now marked as PUB Exhibit 7. And I'll refer to that 21 22 exhibit throughout my questions. 23 But if there is any additional

information any witness wants to bring to the Board's

This is

attention, they should feel free to do so.

- 1 certainly not a closed-book exam, and all material
- 2 should be brought to the Board's attention as your
- 3 witnesses decide.
- 4 That's also acceptable, sir?
- 5 MR. VINCE WARDEN: Yes, thank you.
- 6 MR. BOB PETERS: So in terms of
- 7 starting with the overview, Mr. Warden, and perhaps Mr.
- 8 Barnlund, I believe you've indicated that this
- 9 application is pursuant to what's come out of Order
- 10 number 65 of '11?
- 11 MR. GREG BARNLUND: I believe that in
- 12 Order 65/11 there was direction that we would bring
- 13 forth an application for full public review of the
- 14 proposed arrangements. And, indeed, this is -- is the
- 15 process that was described.
- 16 MR. BOB PETERS: All right. And at Tab
- 17 1 of the book of documents is Order 65/11, if we need
- 18 to refer back to it. But at this point in time, Centra
- 19 is seeking fin -- final approval of fixed costs for US
- 20 storage and transportation arrangements?
- In short, that would be what we're
- 22 asking for today on behalf of Centra?
- MR. GREG BARNLUND: Yes, sir.
- 24 MR. BOB PETERS: And when the Board
- 25 looks at it, that number that I take from, I think, Tab

- 1 13 of the book of documents, the specific number that
- 2 the Board is putting forward is fourteen million,
- 3 forty-nine thousand, three hundred and forty-four
- 4 dollars (\$14,049,344)? Mr. Barnlund, would you accept
- 5 that?
- 6 MR. GREG BARNLUND: I would.
- 7 MR. BOB PETERS: And that fourteen (14)
- 8 -- we'll -- we'll round it off to 14 million, but the
- 9 specific amount that I've just mentioned is the amount
- 10 that Centra intends to incur if its proposal is
- 11 approved by this Board each and every year for the next
- 12 seven (7) years, starting on April 1st of 2013?
- MR. GREG BARNLUND: Yes, sir.
- MR. BOB PETERS: And this is
- 15 denominated, Mr. Barnlund, in US dollars?
- MR. GREG BARNLUND: It is.
- 17 MR. BOB PETERS: And Centra won't hedge
- 18 its -- its US currency related to this transaction,
- 19 will it?
- 20 MR. GREG BARNLUND: It has no intention
- 21 to.
- MR. BOB PETERS: But should there be a
- 23 foreign exchange fluctuation, that fluctuation would
- 24 add or subtract approximately a hundred and forty
- 25 thousand dollars (\$140,000) a year based on one (1)

73 percentage point, or a hundred (100) basis points move of the foreign exchange rate? MR. GREG BARNLUND: Should I ask you 3 for a reference? 5 MR. BOB PETERS: I knew you --6 MR. GREG BARNLUND: I'll take it 7 subject to check. I think that's the number, yes. I think that's what it is. MR. BOB PETERS: I do recall reading 10 one (1) of the responses being closer to a hundred and fifty thousand dollars (\$150,000) a year, but that 11 12 included the variable costs, just to be fair to you, Mr. Barnlund. 13 14 MR. GREG BARNLUND: Fair enough. 15 MR. BOB PETERS: All right. Now in terms of the \$14 million, that amount has not yet been -- been denominated to any calendar year's exchange 17 18 rate? It will float, depending on what the exchange 19 rate is at the time that you're invoiced? 20 MR. GREG BARNLUND: Well, we will be 21 paying \$14 million to the counter-parties for these 22 arrangements. Given those payments are being made in 23 US dollars, they will be subject ultimately to some 24 effect, in terms of the actual foreign exchange we would experience throughout that period of time, across

74 a seven (7) year period, yes. 2 MR. BOB PETERS: But maybe I -- I -maybe I'll word it this way. The 14 million is not 3 denominated in a foreign exchange rate as of a specific date at this point in time? 6 MR. GREG BARNLUND: No, it's not. MR. BOB PETERS: And these fixed costs that relate to your application, Mr. Barnlund, those would be recovered in the transportation rate that this Board will ultimately approve to all of Centra's 10 customers except for the transportation customers and 11 perhaps some interruptible customers? 13 MR. GREG BARNLUND: It would only be 14 the transportation customers that would not be -- not face these costs. But all other customers, including 15 16 interruptible customers, would see these costs 17 reflected in the transportation rate, yes. 18 19 (BRIEF PAUSE) 20 21 MR. BOB PETERS: In the specific 22 application by the Company found at Tab 2 of the book 23 of documents, Mr. Barnlund, it references that the 24 contractual relations for storage is with a company 25 called ANR Transport Storage.

- 1 And I have that correct?
- 2 MR. GREG BARNLUND: I'm advised that
- 3 may be a typographic error.
- 4 MR. BOB PETERS: Okay, well let's
- 5 approach it this way. How many counter-parties will be
- 6 involved in these eight (8) contracts that I believe,
- 7 if we look at the last page of the term sheet found at
- 8 Tab 3 of the book of documents -- and, Mr. Chairman and
- 9 Board members, in the top right-hand corner it's marked
- 10 as page 20 of Exhibit 7, but it's found as the last
- 11 page in -- under Tab 3 -- you've listed a number of
- 12 specific services in the term sheet.
- 13 Have I got that correct, Mr. Barnlund?
- 14 MR. GREG BARNLUND: Yes, that's
- 15 correct.
- 16 MR. BOB PETERS: And if I go down and
- 17 number out, there's eight (8) different services. I
- 18 take it those will translate into eight (8) different
- 19 contracts?
- MR. GREG BARNLUND: Yes.
- 21 MR. BOB PETERS: And in terms of the
- 22 number of counter-parties that you'll be entering into
- 23 these with, can you just explain to the Board how many
- 24 different counter-parties there will be?
- MR. GREG BARNLUND: There would be two

- 1 (2). One (1) of them would be the ANR Pipeline
- 2 Company, and the other would be Great Lakes Gas
- 3 Transmission Limited Partnership.
- 4 MR. BOB PETERS: All right. And so the
- 5 storage is coming from the ANR arrangements. And
- 6 there's also a little bit of storage transportation
- 7 through ANR. But the balance of the transportation
- 8 comes through Great Lakes?
- 9 MR. GREG BARNLUND: Yes
- 10 MR. BOB PETERS: And when you say that
- 11 there's two (2) separate counter-parties, these
- 12 counter-parties are affiliated.
- 13 Am I correct in that?
- MR. GREG BARNLUND: Yes.
- MR. BOB PETERS: What's your
- 16 understanding of their affiliation?
- 17 MR. GREG BARNLUND: We would understand
- 18 them both to be ultimately owned by the TransCanada
- 19 Corporation.
- 20 MR. BOB PETERS: And this is the same
- 21 TransCanada Corporation that Ms. Stewart spoke about
- 22 when she talked about the mainline operation in her
- 23 direct evidence to the Board?
- 24 MR. GREG BARNLUND: It would be a
- 25 related company. I'm not sure if it's actually the

77 parent or not, but... 2 MR. BOB PETERS: And in -- in arranging these contracts, are there any corporate quarantees 3 either given or sought by Centra? 5 MR. GREG BARNLUND: No, there were none required. 7 MR. BOB PETERS: None requested by Centra? 9 MR. GREG BARNLUND: 10 MR. BOB PETERS: And that would be based on your previous twenty (20) years of 11 12 relationship with ANR and Great Lakes? 13 MR. GREG BARNLUND: Yes. 14 MR. BOB PETERS: And likewise, none 15 were sought from Centra? 16 MR. GREG BARNLUND: Correct. 17 MR. BOB PETERS: The seven (7) year 18 term, Mr. Barnlund, will -- will commence on April 1st, 19 2013? 20 MR. GREG BARNLUND: That's correct. 21 MR. BOB PETERS: And run forward to 22 March 31 then of 2020? 23 MR. GREG BARNLUND:

Board to provide its approval by August 31 of 2012?

MR. BOB PETERS: You're asking this

78 MR. GREG BARNLUND: I believe the term 1 sheet references a date of August 31, 2012, as the target that we would be expected or required by the 3 counter-parties to obtain some form of approval in this regard. Of course, we would appreciate if that could be done as early as convenient, as early as practically 7 possible for this Board. 8 MR. BOB PETERS: And likewise, that's seven (7) months before the expiry of the existing 10 arrangements? 11 MR. GREG BARNLUND: It is, but there are steps that need to be undertaken between the 12 13 conclusion or the receipt of that -- of a Board order 14 and the approval of these costs and ultimately putting 15 these contracts into effect for August -- or, sorry, excuse me, for April 1 of 2013. 16 17 MR. BOB PETERS: And from an 18 operational perspective, Ms. Stewart testified to that in her direct evidence? 19 20 MR. GREG BARNLUND: Yes, she did. 21 MR. BOB PETERS: But also in the seven 22 (7) months before the expiry of the existing 23 arrangements there may be a requirement, depending on the outcome of this hearing, for Centra to go back to 24

some of the counter-parties to -- to alter the

- 1 arrangement, correct?
- MR. GREG BARNLUND: We're hoping not,
- 3 but we have to wait and see what a Board order would
- 4 direct us.
- 5 MR. BOB PETERS: Fair -- fair answer,
- 6 Mr. Barnlund. But does the seven (7) months provide
- 7 sufficient timing for there to be further discussions
- 8 or negotiations for revised term sheets if that is
- 9 ultimately the decision of this Board?
- 10 MR. GREG BARNLUND: Unfortunately, the
- 11 seven (7) months is a very tight timeline as it stands,
- 12 given that the counter-parties have -- have things they
- 13 have to undertake on their own behalf and given that we
- 14 have to, obviously, operationalize these contracts.
- 15 The timing in that seven (7) months is extremely tight.
- 16 MR. BOB PETERS: Well, accepting that
- 17 it's tight, it still does permit an opportunity, should
- 18 it be directed by this Board and a requirement by this
- 19 Board to go back and consider further options?
- 20 MR. GREG BARNLUND: Well, ultimately,
- 21 we would pursue whatever avenues we need to pursue in
- 22 terms of addressing any concerns the Board may have in
- 23 this regard.
- 24 MR. BOB PETERS: And it's fair to say
- 25 that your two (2) counter-parties are all aware that

80 the approval of the Public Utilities Board is required before these contracts can be finalized? 3 MR. GREG BARNLUND: That's correct, yes. 5 6 (BRIEF PAUSE) MR. BOB PETERS: While you say, Mr. Barnlund, that you'll certainly follow the decisions and directives from this Board, but can this Board take 10 it that in the time from when this hearing concludes to 11 March 31 of 2013, there will be sufficient time, if 13 required, to renegotiate aspects if so directed and to bring it back before this Board? 14 15 MR. GREG BARNLUND: We would undertake our best efforts to conclude whatever negotiations or 17 whatever activities we would need to. Given that the 18 existing contracts expire March 31 of 2013, we have, obviously, an imminent and pressing deadline in that regard. And we would be undertaking every effort that 21 we could to be able to satisfactorily conclude arrangements so that we, on April 1st of 2013, would 22 23 have new storage and transportation arrangements in 24 place. 25 MR. BOB PETERS: Thank you, sir. Ιn

- 1 addition to the fixed costs that are the subject matter
- 2 of your application and to be paid to ANR and to GLGT -
- 3 that's the \$14 million you've told me about, Mr.
- 4 Barnlund -- Centra will also at some point seek
- 5 recovery of some other costs related to transportation,
- 6 including TransCanada Pipeline costs, correct?
- 7 MR. GREG BARNLUND: Yes. And there
- 8 would also be variable costs associated with operating
- 9 these arrangements in that there are fuel-related costs
- 10 and other variable components of the toll that we would
- 11 need to -- need to be paying, and obviously would need
- 12 to incorporate those into our rate filings in terms of
- 13 recovery of those costs.
- 14 MR. BOB PETERS: All right, but let's
- 15 just talk about the TransCanada Pipeline, because even
- 16 if the Board does approve the application that's before
- 17 them, there is a requirement for TransCanada Pipeline
- 18 tolls related to US storage, correct?
- MR. GREG BARNLUND: Yes, insofar as all
- 20 of our gas supply is -- that is sourced in Alberta is
- 21 being moved on the TransCanada Pipeline and that a
- 22 portion of that gas is then delivered into storage and
- 23 is returned from storage to our market. So the
- 24 TransCanada Pipeline does have a significant
- 25 involvement in that regard.

82 1 MR. BOB PETERS: And in the proceedings -- not to complicate it too much, but it's -- one (1) of its major TransCanada tolls is the STS toll or the 3 storage transportation service toll. 5 MR. GREG BARNLUND: That is one (1) contract that we have with TransCanada, correct. 7 MR. BOB PETERS: And that relates directly to your storage arrangements? 9 MR. GREG BARNLUND: That it does, yes. 10 MR. BOB PETERS: And that refers to your indicating to get gas that is in storage back to 11 12 the Manitoba marketplace you -- you need that 13 arrangement with TransCanada? 14 MR. GREG BARNLUND: Yes, we do. 15 MR. BOB PETERS: And the TransCanada tolls, we heard from Ms. Stewart, those are tolls set 17 by the National Energy Board? 18 MR. GREG BARNLUND: Yes, they are. 19 MR. BOB PETERS: And when it comes time to seek recovery of the TransCanada pipeline tolls, that would be included in Centra's next cost of gas 21 22 filing? 23 MR. GREG BARNLUND: We would be including forecast costs for the upcoming gas year in 24 our next filing. And given the nature of the recovery

- 1 of gas costs, we deal with costs on a forecast basis.
- 2 And we also deal with costs on a retrospective basis
- 3 where we have the presence of deferral accounts where
- 4 we record and true-up the differences between our
- 5 previous forecasts and the actual cost for that period.
- 6 MR. BOB PETERS: To be clear for the
- 7 Board, those TCPL tolls and costs are not part of
- 8 Centra's request before them in this application?
- 9 MR. GREG BARNLUND: That's correct.
- 10 MR. BOB PETERS: And when you talk
- 11 about your gas year, the -- the gas year commences, I
- 12 believe, on November 1 of a particular calendar and
- 13 goes to October 31 of the following calender year?
- 14 MR. GREG BARNLUND: Yes, Mr. Peters.
- MR. BOB PETERS: And so we are
- 16 presently then in the midst of the 2011/'12 gas year?
- MR. GREG BARNLUND: Yes, sir.
- MR. BOB PETERS: And those costs, you
- 19 say, would be forecast and brought to the Board for
- 20 approval as a forecast. And you may also seek final
- 21 approval of previous years' gas costs, if I understood
- 22 your answer?
- 23 MR. GREG BARNLUND: Yes, that's
- 24 generally the approach taken.
- MR. BOB PETERS: And are you able to

- 1 give the Board any indication as to when Centra expects
- 2 to be in a position to file for approval of those other
- 3 gas costs?
- 4 MR. VINCE WARDEN: Mr. Peters, at this
- 5 time, our expectation is that we will be filing our
- 6 general rate application in September for our November
- 7 1st implementation, for rate change November the 1st.
- 8 MR. BOB PETERS: And, Mr. Warden and
- 9 Mr. Barnlund, that general rate application would
- 10 include a cost of gas component then to deal with the
- 11 specifics of cost of gas issues, not just the
- 12 distribution costs?
- MR. GREG BARNLUND: Yes, that's
- 14 correct.
- MR. BOB PETERS: Mr. Barnlund, you told
- 16 the Board a few answers ago that in addition to the
- 17 fixed costs with ANR and with Great Lakes gas
- 18 transmission there will also be variable costs, if I
- 19 heard you correctly?
- 20 MR. GREG BARNLUND: Yes, that's
- 21 correct.
- MR. BOB PETERS: And variable costs are
- 23 dependent largely on the volumes that are going through
- 24 the pipelines?
- MR. GREG BARNLUND: That would be one

- 1 (1) of the factors, yes.
- 2 MR. BOB PETERS: And those variable
- 3 costs, I believe, in this filing have been estimated at
- 4 approximately a million dollars. Do you agree with
- 5 that?
- 6 MR. GREG BARNLUND: Yes, we have said
- 7 that.
- 8 MR. BOB PETERS: And mostly related to
- 9 fuel gas to run the compressors in the pipelines to
- 10 keep the gas moving?
- 11 MR. GREG BARNLUND: That would be the
- 12 major component, yes.
- MR. BOB PETERS: And approval of those
- 14 variable costs would likewise come in the cost of gas
- 15 portion of Centra's intended general rate application?
- 16 MR. GREG BARNLUND: Yes. We file for
- 17 gas cost adjustments every year that'll reflect actuals
- 18 and forecasts for those.
- 19 MR. BOB PETERS: Mr. Barnlund, Mr.
- 20 Warden, the application speaks to fixed costs. And it
- 21 is okay if the Board interprets those to be the
- 22 reservation costs for storage and transportation?
- 23 MR. GREG BARNLUND: I believe that's
- 24 fair.
- MR. BOB PETERS: And is it also fair

- 1 that Centra is going to have to pay these fixed costs
- 2 even if Centra doesn't physically need the service?
- 3 MR. GREG BARNLUND: That would be the
- 4 case, yes.
- 5 MR. BOB PETERS: So under Centra's
- 6 proposal Centra will pay for 15 1/2 petajoules of
- 7 storage even if Centra only uses say 10 petajoules per
- 8 year?
- 9 MR. GREG BARNLUND: On the face of it,
- 10 yes. Yeah.
- MR. BOB PETERS: In terms of helping
- 12 the Board understand the relative size of the storage,
- 13 Mr. Barnlund, Mr. Warden, is 15 1/2 petajoules
- 14 approximately a quarter of the total annual throughput
- 15 excluding the transportation volumes?
- MR. GREG BARNLUND: Including
- 17 transportation volumes --
- 18 MR. BOB PETERS: No, ex -- excluding is
- 19 what I asked.
- MR. GREG BARNLUND: Excluding?
- MR. BOB PETERS: Yeah.
- 22 MR. GREG BARNLUND: I think that our
- 23 sales volumes would be in the neighbourhood of 55
- 24 petajoules, and so 15 1/2, proportion of 55.
- MR. BOB PETERS: Okay. So my estimate

- 1 of 60 petajoules is not too far off?
- 2 MR. GREG BARNLUND: For legal counsel
- 3 that was pretty close.
- 4 MR. BOB PETERS: Yeah. Point noted.
- 5 We -- we talked earlier about excluding transportation
- 6 service customers, Mr. Barnlund, and can you explain to
- 7 the Board why these customers are not part of the
- 8 services that you're now trying to arrange?
- 9 MR. GREG BARNLUND: Yes, Mr. Peters.
- 10 We have a small number of very large industrial
- 11 customers that some time ago arranged for their own
- 12 upstream gas supply, transportation, and storage
- 13 services, and simply contract with Centra for the
- 14 delivery of that -- of their gas supply from -- on our
- 15 system from the interconnection with TransCanada
- 16 pipelines to their plant gate. And I guess further to
- 17 that then, given that they are not users of our
- 18 upstream storage and transportation contracts or
- 19 assets, they bear no cost of those.
- 20 MR. BOB PETERS: Are you able to give
- 21 the Board an estimate of the volumes from the
- 22 transportation customers that flows through Centra's
- 23 system?
- 24 MR. GREG BARNLUND: I don't have the
- 25 information right at my fingertips but I'm thinking it

- 1 would probably be in the neighbourhood of 20 petajoules
- 2 in aggregate. Roughly speaking.
- MR. BOB PETERS: Mr. Barnlund, perhaps
- 4 through your counsel I could ask you to provide an
- 5 undertaking to the Board as to the throughput back in
- 6 1993 compared to the throughput most currently, and
- 7 break out transportation service as a separate amount?
- MR. GREG BARNLUND: We will endeavour
- 9 to do that possibly by looking at some regulatory
- 10 filings we may have on-hand from that period of time.
- 11 But bearing in mind that that information back to '93
- 12 is not readily available to us.
- MR. BOB PETERS: All right, that's a
- 14 fair comment. You're indicating if it's not in a Board
- 15 order or in the regulatory records you'll have a hard
- 16 time finding that? Well --
- MR. GREG BARNLUND: Yes.
- MR. BOB PETERS: -- in general terms,
- 19 can you tell the Board whether the throughput of
- 20 natural gas in the last twenty (20) years has increased
- 21 or decreased if we exclude the transportation
- 22 customers?
- 23 MR. GREG BARNLUND: Excluding the
- 24 transportation customers I would expect that we have
- 25 had a -- a decrease in throughput over a long period of

- 1 time, related to the advancement of energy conservation
- 2 and changes in behaviour of end-use customers, in terms
- 3 of reducing their energy usage and taking advantage of
- 4 more energy conservation opportunities. So I think the
- 5 general trend has been to lower consumption on an
- 6 individual basis over a longer period of time, yes.
- 7 MR. BOB PETERS: So while you estimate
- 8 that current throughput excluding transportation
- 9 service could be around 55 Bcf or -- you're not sure
- 10 how much -- how much it would have been twenty (20)
- 11 years ago?
- 12 MR. GREG BARNLUND: I can't say at this
- 13 point, no.
- 14 MR. BOB PETERS: All right. If it's
- 15 something that we want to pursue further I'll get back
- 16 to Mr. Bedford on that, but you can cross that off your
- 17 list of undertakings at this time. Yes, just for the
- 18 record, I was thinking that Centra could provide an
- 19 undertaking but I'll withdraw that request at this
- 20 time.
- 21 Mr. Barnlund, you've told the Board that
- 22 the \$14,049,344 -- US dollars a year is the maximum sum
- 23 that will be paid to ANR and Great Lakes Gas
- 24 Transmission for the US storage and transportation
- 25 assets?

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                  MR. GREG BARNLUND: Yes, it's fixed for
   the seven (7) year period.
3
                  MR. BOB PETERS: And "fixed" meaning, as
   you've said, it's take or pay? You're -- you're taking
   it so you're going to pay for it regardless of whether
   you use it?
7
                  MR. GREG BARNLUND: Essentially that's
   correct, yes.
9
                  MR. BOB PETERS: If Centra determines
10
   that it's not going to need that capacity, did I
   understand from the direct evidence of your colleagues
11
   that once Centra determines it has surplus capacity it
   will try to sell that capacity to some other third
14
  party?
15
                  MS. LORI STEWART: Yes, That's correct,
16 Mr. Peters.
17
                  MR. BOB PETERS: And, Ms. Stewart, how
18
   is it that Centra's going to know whether it needs or
19
   does not need the total portfolio that's before this
   Board for approval in terms of costs?
21
                  MS. LORI STEWART: Mr. Peters, that's
22
   something that Centra determines as each day of a
23
   season proceeds over time. For example, it may be
24
   known at the commencement of the storage refill season
25 that not all of our assets will be required to top
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- 1 storage up. And in that situation we would then
- 2 calculate what portion of our capacity could be
- 3 released over that seasonal period and put that out to
- 4 market and gain the value -- the value that we can on
- 5 behalf of ratepayers for that portion of the assets
- 6 that will be unutilized.
- 7 MR. BOB PETERS: What you're telling
- 8 the Board, Ms. Stewart, is that you try to sell the acc
- 9 -- the excess capacity that you don't need, and you
- 10 apply that revenue as a credit to the consumers who are
- 11 -- whose rates are already paying the \$14 million?
- 12 MS. LORI STEWART: Yes, that's correct.
- 13 MR. BOB PETERS: And those sales, Ms.
- 14 Stewart, the materials have reference to the secondary
- 15 market. And that's what it's generically known as, in
- 16 terms of selling it to third parties that are not
- 17 involved in your contracts?
- MS. LORI STEWART: Yes, that's correct.
- 19 MR. BOB PETERS: And in the secondary
- 20 market, you could be selling to another gas local
- 21 distribution company? You could be selling to a
- 22 marketer? You may not know to whom you're selling?
- 23 MS. LORI STEWART: Well, I need to know
- 24 to whom I'm selling because I have to collect the money
- 25 from them. But -- but, yes, your characterization of

- 1 who might be a buyer in that market, it could be an
- 2 LDC, it could be a marketer.
- MR. BOB PETERS: And, Ms. Stewart, when
- 4 we come to the cost of gas portions of a general rate
- 5 application, Centra usually has a five (5) year average
- 6 of their capacity release revenues. Are you familiar
- 7 with that?
- 8 MS. LORI STEWART: Yes, I'm familiar
- 9 with the capacity management program, which consists of
- 10 more than simply our capacity release revenues.
- 11 MR. BOB PETERS: Does Centra track its
- 12 capacity release revenues for only its US assets,
- 13 compared to other assets it has?
- 14 MS. LORI STEWART: We track our release
- 15 revenues for both our Canadian and our US assets. And,
- 16 yes, they are tracked discretely.
- 17 MR. BOB PETERS: Are you able to
- 18 indicate to the Board, Ms. Stewart, what an average
- 19 annual capacity release revenue has been from the
- 20 existing portfolio that Centra has, in terms of how
- 21 much money Centra's been able to realize from unused
- 22 assets?
- 23 MS. LORI STEWART: I'm sure those
- 24 results are on the various regulatory records in terms
- 25 of our annual capacity management revenues, yes.

- 1 MR. BOB PETERS: Can you indicate
- 2 whether, percentage-wise, is Centra selling off and
- 3 recovering at least 50 percent of unutilized demand
- 4 charges, or less than fifty (50)? Or do you know?
- 5 MS. LORI STEWART: That would vary from
- 6 season to season, and I think the most important thing
- 7 to understand is that our capacity management revenues
- 8 are largely driven by weather. If it is a cold winter,
- 9 we will be more fully utilizing our asset suite, and as
- 10 a result will not have the opportunity to release those
- 11 assets into the secondary market and earn revenues.
- 12 The -- those assets are being used by Manitoba
- 13 ratepayers in that circumstance.
- 14 MR. BOB PETERS: Ms. Stewart, the Board
- 15 will note that the tolls that are being proposed, as
- 16 well as the tolls that are -- some of the tolls that
- 17 are being currently paid, are discounted from the FERC
- 18 approved maximum rate. Would that be correct?
- MS. LORI STEWART: Yes, that's correct.
- 20 MR. BOB PETERS: Is Centra able, under
- 21 its contractual terms, to sell off excess capacity at
- 22 rates higher than what it is paying to ANR and Great
- 23 Lakes?
- 24 MS. LORI STEWART: Yes, it is able to
- 25 do that.

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                  MR. BOB PETERS: Can you sell them at
   rates above the FERC tariff?
3
                  MS. LORI STEWART: No, we may not.
                  MR. BOB PETERS: Does Centra typically
   get reimbursed its full cost of the capacity it seeks
   to release?
7
                  MS. LORI STEWART: That varies by every
   single release we do, Mr. Peters.
                  MR. BOB PETERS: So while -- while
9
   Centra may not get paid the full cost, would it be
10
   correct for the Board to understand that Centra does
11
12
   not enter into capacity release and capacity management
13
   arrangements unless there is some profit in it for the
14
   ratepayers of Manitoba?
15
                  MS. LORI STEWART: Yes, our objective
   is to recover whatever portion of our fixed costs we
17
   can by way of our capacity management transactions.
18
19
                          (BRIEF PAUSE)
20
21
                  MR. BOB PETERS: Ms. Stewart, in one
22
    (1) of the responses that Centra gave as to an
23
   Information Request from my friends at CAC. Centra
24
   gave the load factors on ANR southwest and southeast,
   but after capacity management. And that was Centra --
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   sorry, that was CAC/CENTRA-13-C.
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3
                          (BRIEF PAUSE)
5
                  MS. LORI STEWART: Will I need to -- to
   bring that up, Mr. Peters?
7
                  MR. BOB PETERS: I think so. Yes, I
              I -- I wanted to find out what -- what
   think so.
   you're telling the Board, and I'm looking at the chart
   for CENTRA/CAC-13-C, small Roman Numeral i, and small
10
11
   Roman Numeral ii. Have you managed to locate that
12
   chart, Ms. Stewart?
13
                  MS. LORI STEWART: Yes, I have it.
14
                  MR. BOB PETERS: And what I'd like you
   to explain to the Board is that the load factor shows
15
   at 100 percent, and that shows at 100 percent even
17
   though Centra may not have used 100 percent of the
18
   service for themselves?
                  MS. LORI STEWART: Yes, that's correct.
19
20
                  MR. BOB PETERS: Are you able to
21
   provide the Board with what the load factors would have
22
   been prior to the capacity management activities?
23
24
                          (BRIEF PAUSE)
25
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- 1 MS. LORI STEWART: Not readily, Mr.
- 2 Peters. That would involve a deal-by-deal review and
- 3 quite a bit of -- of analysis.
- 4 MR. BOB PETERS: At the bottom of that
- 5 chart, Ms. Stewart, are some -- some annual costs on
- 6 the ANR southeast and southwest. Let's maybe just
- 7 start off by saying in the -- while those are currently
- 8 in the port -- portfolio, those southeast and southwest
- 9 arrangements are not going to be continued forward if
- 10 your proposal is approved as filed?
- MS. LORI STEWART: Yes, that's correct.
- 12 MR. BOB PETERS: And are the costs
- 13 shown, Ms. Stewart, net of capacity management
- 14 revenues?

15

16 (BRIEF PAUSE)

- 18 MS. LORI STEWART: I would want to
- 19 confirm that with someone back at the office, Mr.
- 20 Peters, and I'm certainly willing to undertake to do
- 21 that.
- MR. BOB PETERS: If you could, please,
- 23 and thank you, Ms. Stewart, to determine whether or not
- 24 the costs shown are net of capacity management
- 25 revenues, and if they're not determine if that can also

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   be provided.
 2
 3
                         (BRIEF PAUSE)
 5
                  MS. LORI STEWART: Yes.
 6
   --- UNDERTAKING NO. 1: Centra to determine whether
 7
                                or not the costs shown are
 9
                                net of capacity management
10
                                revenues; and if they're
11
                                not, determine if that can
12
                                also be provided
13
14
   CONTINUED BY MR. BOB PETERS:
15
                   MR. BOB PETERS: Okay. Thank you.
   And, Ms. Stewart, in addition to Centra trying to sell
   its unutilized surplus capacity, there are companies
17
18
  that would offer to do that for Centra. Is that
19
  correct?
                   MS. LORI STEWART: Yes, I think I would
20
21
   characterize it as there are companies that would seek
22
   to manage Centra's assets, not strictly the capacity
23
   release, but also the capacity optimization.
24
                   MR. BOB PETERS: And these companies
   that would seek to manage Centra's assets do so because
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- 1 they may hold other assets from other companies, and
- 2 they can find an optimal way that they can accomplish
- 3 Centra's goals as well as make some money for
- 4 themselves?
- 5 MS. LORI STEWART: There is the
- 6 potential for that outcome, yes.
- 7 MR. BOB PETERS: And I believe Mr.
- 8 Stauft, in his pre-filed evidence, lists about thirty
- 9 (30) of such asset management companies.
- 10 And most of those you'd be familiar
- 11 with, would you not, Ms. Stewart?
- MS. LORI STEWART: Yes, I am.
- MR. BOB PETERS: Actually, I think the
- 14 reference was PUB/CEN -- CAC-16, not his pre-filed
- 15 evidence, that he provided those companies, just to
- 16 clear up that point.
- 17 Has Centra determined whether it will
- 18 issue a request for a proposal to -- to an asset
- 19 management company to try to reduce the storage and
- 20 transportation fixed costs for Manitobans, more than
- 21 what Centra can propose?
- 22
- 23 (BRIEF PAUSE)
- 24
- MS. LORI STEWART: We have not

- 1 determined that as yet, Mr. Peters.
- 2 MR. BOB PETERS: Does that answer
- 3 imply, Ms. Stewart, that that may be a matter that the
- 4 Corporation will look into?
- 5 MS. LORI STEWART: Well, I'd like to
- 6 say that we are always open to solicitations from
- 7 marketers, in terms of them providing us with asset-
- 8 management arrangements. That happens periodically,
- 9 and when that happens we assess the value that we may
- 10 see in the proposal relative to the risks that would be
- 11 incurred as a result of executing such an arrangement.
- 12 MR. BOB PETERS: Has Centra determined
- 13 whether it will seek out such marketers or managers of
- 14 capacity?
- MS. LORI STEWART: We have not
- 16 determined that yet.
- 17 MR. BOB PETERS: Can you advise the
- 18 Board as to when Centra may avert its mind to that
- 19 consideration, Ms. Stewart?
- 20 MS. LORI STEWART: Certainly we need to
- 21 know that we have assets -- contractual assets in -- in
- 22 place, so that would be a first step, is that we
- 23 actually understand what assets we will be managing.
- 24 MR. BOB PETERS: Does Centra need a
- 25 year's experience or two (2) of its own before it can

100 enter into any asset-management arrangements? 2 MS. LORI STEWART: That would certainly make it easier to benchmark any proposals that we do receive from the market. In the absence of understanding what types of capacity management revenues we, ourselves, may be able to generate with the proposed portfolio, we would be in somewhat of a 7 vacuum as it relates to what value we -- we may ascertain as offsetting the risks associated with an 10 asset-management arrangement. 11 MR. BOB PETERS: All right. 12 MR. VINCE WARDEN: Mr. Peters, I might 13 just add that in looking at any kind of management of 14 those assets by a third party, we have to be very clear, first of all, in defining which assets we want 15 to consider outsourcing and the risks associated with -- with so doing. 17 18 Any time we have looked at this in the 19 past, we always come to the conclusion that the risk are not worth the -- perhaps the cost advantage that 21 could be achieved through that -- through that process. 22

23 So we'd want -- we would want to assess

this very, very carefully before we made any -- any 24

25 moves in that direction that might impose risks on the

101 consumers in Manitoba. 2 MR. BOB PETERS: When you refer to risks, Mr. Warden, what risks are you referring to? 3 MR. VINCE WARDEN: Well, we would, in -4 - in effect, be turning over assets over to a third party that, of course, has a profit motive and that by using those assets they can -- they can optimize their 7 total portfolio. However, you may recall, when we were close to doing this -- the closest we came to doing 10 this was with a company named Enron. And we all know 11 what happened there. And so the ri -- those are the 12 kinds of risks that we would be very -- very concerned about. 13 14 15 (BRIEF PAUSE) 16 17 MR. BOB PETERS: Mr. Warden, maybe 18 standing back from the details of the specific 19 application that will be reviewed with your witness colleagues, I had understood from the direct evidence -21 - I believe from yourself -- that the objective was to 22 arrange, I think, reliable and cost-effective services, 23 sir? 24 MR. VINCE WARDEN: Yes, absolutely. 25 MR. BOB PETERS: And when you -- when

- 1 that answer was given, the answer wasn't looking for
- 2 the cheapest storage and transportation arrangement.
- 3 Is that correct?
- 4 MR. VINCE WARDEN: Well, it is the
- 5 cheapest, provided that we can provide security of
- 6 supply. We can guarantee security of supply. And so,
- 7 yes, we want the lowest cost with that provision.
- 8 MR. BOB PETERS: When you say "security
- 9 of supply," can we, as a default, accept what was
- 10 stated by one (1) of your colleagues that if at any
- 11 time Centra needs gas, natural gas for Manitobans, it
- 12 will be available to Centra Gas?
- MR. VINCE WARDEN: Yes.
- 14 MR. BOB PETERS: And the -- the only
- 15 variable is the price?
- 16 MR. VINCE WARDEN: That's right. And -
- 17 and that's where the balance has to be achieved. So
- 18 if we look at the fallback position, just taking the
- 19 gas from -- from TransCanada and we're prepared to pay
- 20 the penalties associated with that, that has to be
- 21 taken into consideration into the -- the overall
- 22 equation when we're looking at the options.
- 23 MR. BOB PETERS: Of the \$14 million
- 24 approximately, Mr. Warden, that is part of the fixed-
- 25 cost recovery request by Centra, there is no markup

- 1 included in that amount that goes to Centra's bottom
- 2 line, is there?
- 3 MR. VINCE WARDEN: That's correct.
- 4 MR. BOB PETERS: There's no margin for
- 5 Centra, or no profit?
- 6 MR. VINCE WARDEN: That's right.
- 7 MR. BOB PETERS: And would it also be
- 8 correct for the Board to understand that related to the
- 9 cost of gas matters which includes the molecules
- 10 themselves, the storage, and the transportation, that
- 11 there is zero profit in that for Centra?
- MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: And so when you told
- 14 the Board in your opening comments that Centra will be
- 15 coming forward with a general rate application in which
- 16 it will seek to recover a -- I'm not sure you used the
- 17 word "modest", but net income, that net income would be
- 18 the profit or the contribution to reserves that the
- 19 utility seeks.
- 20 And that would be built into the
- 21 distribution rate?
- MR. VINCE WARDEN: Yes, that's right.
- 23 And, yes, I did use the word "modest". And, yes, the
- 24 application will be requesting a modest rate increase.
- MR. BOB PETERS: And the contribution

- 1 to reserves or the profit margin, Mr. Warden, has that
- 2 been in the range of \$3 million on an annual basis?
- MR. VINCE WARDEN: Yes, we -- we target
- 4 \$3 million on an annual basis. But as I mentioned, the
- 5 -- the weather variability is such that it can swing
- 6 ten (10) to \$12 million in any given year, depending on
- 7 the weather.
- 8 MR. BOB PETERS: And the rates that
- 9 Centra sets are based on what is statistically
- 10 determined as normal weather?
- MR. VINCE WARDEN: Yes, that's right.
- MR. BOB PETERS: And the numbers you
- 13 reported to the Board, in terms of your profitability
- 14 last year and this year, those would be actual as
- 15 opposed to weather-normal numbers?
- 16 MR. VINCE WARDEN: That's right.
- 17 MR. BOB PETERS: Are you -- I think
- 18 we're probably getting a little off speed here, and --
- 19 but, on a weather-normal basis, are you able to
- 20 indicate what the \$6 million actual loss would
- 21 translate to?
- MR. VINCE WARDEN: It would be in the
- 23 range of \$3 million, bottom line.
- MR. BOB PETERS: Okay. And, Mr.
- 25 Warden, in Board Order 65/11, which we know is at the -

105 - one (1) of the first tabs in the book of document, I believe Tab number 1, the Board wanted the contracts that you entered into to have what amounts to a 3 condition precedent that they receive Board approval before any contracts are formed, correct? 6 MR. VINCE WARDEN: Correct. 7 MR. BOB PETERS: And while, from Mr. Bedford's approach, I appreciate this is a bit hypothetical, but would that have normally been the 10 route the company would have followed, or would you have brought to the Board contracts that are already 11 signed, sealed, and delivered, and already working into 13 operational changes? 14 15 (BRIEF PAUSE) 16 17 MR. VINCE WARDEN: Mr. Peters, the last 18 storage transportation contract was entered into in 19 1993, before the acquisition by Manitoba Hydro. I believe at that time, and subject to -- as a matter 21 fact, maybe I'll just turn this question over to Mr. 22 Barnlund who was around at that time. 23 MR. GREG BARNLUND: Thank you, or not, 24 for that. In 1991 the predecessor company was exploring options for the acquisition of access to

- 1 storage. Given that the supply arrangements that it
- 2 was -- that it had -- it had entered into in the late
- 3 1980s after the deregulation of -- of production
- 4 pricing had occurred, Centra had essentially a five (5)
- year period where they were enjoying the benefit of a
- 6 favourable pricing arrangement from their supplier
- 7 without using storage.
- 8 So Centra was receiving gas at a 30
- 9 percent load factor, but paying for gas as though they
- 10 were essentially taking gas at a 100 percent load
- 11 factor. Those arrangements contractually were to end
- 12 in 1993. And in the time period leading up to 1993
- 13 Centra was involved in the evaluation of storage
- 14 alternatives as a way to mitigate the -- the impending
- 15 cost increase that they would have seen in 1993 had
- 16 they not been able to address an improvement in their
- 17 load factor.
- 18 At that point in time in 19 -- it was
- 19 actually in 1991 when some contractual arrangements had
- 20 been notionally entered into by the predecessor
- 21 company. The Public Utilities Board requested that a
- 22 hearing be called to discuss those arrangements. And
- 23 in the fall of 1991 such a hearing was held.
- 24 Clearly we're under much different
- 25 circumstances here and I think that the circumstances

- 1 that we've experienced in the last two (2) years are
- 2 reflective of the fact that we have worked to
- 3 collaborate with the Public Utilities Board and
- 4 Intervenors and interested parties in a much more
- 5 evolved process leading up to the replacement of these
- 6 contracts.
- 7 MR. BOB PETERS: Thank you, Mr.
- 8 Barnlund. My point, coming back to it, Mr. Warden, is
- 9 that without prior Board approval, Centra would run the
- 10 annual risk of a disallowance in costs if the Board
- 11 determined that Centra's actions, including its
- 12 contractual actions, were not necessarily prudent?
- 13 MR. VINCE WARDEN: Yes, and I don't
- 14 think we've ever come to grips. I know we've talked
- 15 about disallowance in the past, but we've never really
- 16 defined exactly what that means to a Crown corporation,
- 17 if there's a disallowance what happens to that
- 18 disallowance. Does it go to retained earnings and how
- 19 are those retained earnings rebuilt in that
- 20 circumstance. It would have to be through increased
- 21 rates to consumers. So it's kind of a circular type of
- 22 a -- an argument, really.
- 23 There -- there's no recourse to another
- 24 shareholder or a stakeholder other than government, and
- 25 I don't think they'd be too willing to cough up any

- 1 monies. So, yeah, the disallowance question is a bit
- 2 of a question mark with -- with Centra Gas as -- as
- 3 it's currently structured.
- 4 MR. BOB PETERS: But you'd agree with -
- 5 with me, sir, that by seeking approval at this time
- 6 you're taking away any risks related to disallowance
- 7 provided the Board approves what you're asking for?
- 8 MR. VINCE WARDEN: I agree with that,
- 9 yes.
- 10 MR. BOB PETERS: And in fact, you've
- 11 told the Board there's no profit margin in it for
- 12 Centra, per se. So again, it protects Centra with
- 13 prior approval?
- MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: And staying at that
- 16 policy level, Mr. Warden, would Centra acknowledge that
- 17 at the end of its analysis, including those that used
- 18 computer models, Centra's preferred and proposed
- 19 portfolio recommendation contains subjective
- 20 considerations?
- 21 MR. VINCE WARDEN: I wonder if you
- 22 could be more specific with your question, Mr. Peters.
- 23 MR. BOB PETERS: Cer -- certainly, sir.
- 24 There's a number of factors that Centra has considered
- 25 and the witnesses have testified, including rel --

- 1 reliability and flexibility, this overall size of
- 2 storage, the length of the contract. I'm suggesting
- 3 that when it all boils out at the end Centra has had to
- 4 make some, admittedly educated, from their perspective,
- 5 subjective considerations on what the portfolio should
- 6 -- would be optimal?
- 7 MR. VINCE WARDEN: Yeah, I think that's
- 8 always the case in a situation like this, Mr. Peters.
- 9 You use the best information available, the best advice
- 10 you can get from consultants, the best models that are
- 11 out there. But at the end of all that, you have to
- 12 make a decision. And that's the decision that's before
- 13 this Board.
- 14 MR. BOB PETERS: Well, I think the
- 15 point that -- you've reached the point I've come to,
- 16 Mr. Warden, is that Centra's proposed portfolio can
- 17 only be based on what amounts to maybe a subjective
- 18 recommendation because the inputs that Centra would
- 19 like to know, are in fact unknown at this point in
- 20 time, such as the weather, the prices, market
- 21 conditions, and TCPL situations.
- MR. VINCE WARDEN: Well, the weather we
- 23 expect to be normal over the long-term, so I don't
- 24 think there's much subjectivity there. There's
- 25 certainly variability from year to year. But as far as

- 1 TCPL, yes, that's a very open question at this point in
- 2 time, price likewise.
- 3 MR. BOB PETERS: And so Centra is here
- 4 today to explain what underpins their recommendations,
- 5 whether they're considered subjective or not?
- 6 MR. VINCE WARDEN: Yes, we're putting
- 7 forward our best case based on the best information we
- 8 have available. And we're here to support that.
- 9 MR. BOB PETERS: And is it correct, Mr.
- 10 Warden, that while Centra has used computer modelling,
- 11 the results should be considered by Centra, as well as
- 12 this Board, to be directional only and not dispositive
- 13 or absolutely determinative of what an optimal
- 14 portfolio would be?
- MR. VINCE WARDEN: Yes, I think we've
- 16 used the word "directional" in our filing. So, yes, I
- 17 would agree with your statement.
- 18 MR. BOB PETERS: And does Centra
- 19 concede that with hindsight its preferred portfolio
- 20 today may not, in fact, after the fact, be optimal for
- 21 any specific given future year?
- MR. VINCE WARDEN: Yes, I think any
- 23 forecast is subject to hindsight review. And with that
- 24 perfect knowledge you would do things differently than
- 25 you might have with that uncertain information.

111 MR. BOB PETERS: And then does it stand 1 to reason, Mr. Warden, that should this Board direct Centra to develop a different portfolio than what's 3 proposed, that portfolio may or may not be optimal in any future year likewise? MR. VINCE WARDEN: Yes, I agree with 6 7 that. 8 MR. BOB PETERS: All right. Chairman, in light of the hour, I'm going to move to a new area. But if you wish to recess for the lunch hour 10 now, that would be appropriate in -- where I am in my 11 questions, or I'll continue if you wanted to continue for a bit further. 13 14 THE CHAIRPERSON: I suggest we adjourn 15 right now and resume at say 1:25. 16 MR. BOB PETERS: Thank you. 17 THE CHAIRPERSON: Thank you. 18 19 --- Upon recessing at 11:59 a.m. --- Upon resuming at 1:27 p.m. 21 22 THE CHAIRPERSON: Good afternoon, 23 everyone. I believe we are ready to proceed. Over to 24 you, Mr. Peters. 25 MR. BOB PETERS: Yes, thank you and

- 1 good afternoon.
- 2
- 3 CONTINUED BY MR. BOB PETERS:
- 4 MR. BOB PETERS: Mr. Warden, I want to
- 5 just tidy up one (1) line of questioning I had with you
- 6 this morning, sir, if I could. You'll recall that in
- 7 your opening comments you reported to the Board that
- 8 the last fiscal year ending March 31 of 2012 there was
- 9 an estimate of Centra's net income as being negative \$6
- 10 million approximately. And I appreciate it's not a
- 11 final number but an approximate number.
- MR. VINCE WARDEN: Yes.
- MR. BOB PETERS: And then I went on at
- 14 some point to ask you about whether the company has
- 15 recalculated that net income based on a weather-normal
- 16 basis. Do you recall that?
- 17 MR. VINCE WARDEN: Yes, I do.
- 18 MR. BOB PETERS: And you provided an
- 19 answer. And I wonder if you could just tell me whether
- 20 the answer was a further loss, or was it a positive or
- 21 a negative number?
- MR. VINCE WARDEN: Yes, just for
- 23 clarification, I -- I did say appro -- I think I said
- 24 approximately \$3 million. And I was intending to say
- 25 \$3 million net income, so a positive net income. In

- 1 our financial forecast, however, we do target between 3
- 2 and \$5 million per year as the bottom line net income
- 3 each -- each and every year based on normalized
- 4 weather. And then for purposes of the forecast, we --
- 5 we plug in the amount of rate increases that is
- 6 necessary to achieve that amount of a bottom line.
- 7 MR. BOB PETERS: Thanks for the
- 8 clarification. Ms. Stewart, likewise, this morning you
- 9 had introduced me to a new word. And I wonder if you
- 10 could explain to the Board the concept of a "null
- 11 point" that you mentioned. And I believe it was
- 12 referenced on the Great Lakes Gas Transmission line.
- MS. LORI STEWART: Yes, that's correct,
- 14 Mr. Peters. My definition of a "null point," or
- 15 perhaps another way to think about it would be as the
- 16 balance point on a pipeline. This is not a physical
- 17 point. It's a notional point on any pipeline. And
- 18 it's the point at which physical flows are intersecting
- 19 at any minute, hour, day. So it's changing on a -- on
- 20 a very -- on a real-time basis.
- 21 And if I -- I described Great Lakes Gas
- 22 Transmission as historically having flows that moved
- 23 from the western terminus of the pipeline at Emerson,
- 24 to St. Clair, which is the eastern terminus of that
- 25 pipeline. And if all flows and all movement on that

- 1 pipeline was on a forward-haul basis, then the null
- 2 point, theoretically, would be at the eastern terminus
- 3 of that.
- 4 However, on most pipelines, you have a
- 5 combination of forward-haul flows and notional back-
- 6 haul flows. And that point at which -- when I net the
- 7 two (2) of them, that balance point is -- is sometimes
- 8 referred to as a null point on the pipe. I hope that
- 9 helps, Mr. Peters.
- 10 MR. BOB PETERS: It's helping. The --
- 11 you said the physical flows are then netted against the
- 12 notional back-haul to find the null point. Would that
- 13 be correct?
- 14 MS. LORI STEWART: Well, my definition
- 15 of it was the point at which the physical flows are
- 16 intersecting on a pipeline. And I'm -- I'm trying to
- 17 describe the situation where that null point could
- 18 theoretically be at -- at one (1) terminus of the pipe.
- 19 However, that's not the case on -- on most pipelines.
- 20 There is a combination of both forward-haul flows and
- 21 back-haul flows. And as a result, you have this
- 22 concept of a null point or a balance point on a
- 23 pipeline.
- 24 MR. BOB PETERS: All right. Thank you.
- 25 The point the Board should get from your point, or your

115 evidence on that point, Ms. Stewart, is that there is more gas that is either physically or notionally flowing from east to west, than there ever used to be. 3 4 MS. LORI STEWART: Yes, that's correct. 5 MR. BOB PETERS: And would that be correct for the Board to understand that contributing to that is -- is the -- the back-haul concept that 7 you've called a notional back-haul? 9 MS. LORI STEWART: Yes, that's correct. 10 MR. BOB PETERS: And someone also this morning -- and I'm not sure if it was you, Ms. Stewart, 11 12 indicated that TransCanada pipeline at Emerson was 13 changing the direction or installing bidirectional 14 compressors or pumps related to their TransCanada 15 pipeline? 16 MS. LORI STEWART: Yes, the meter station that is located at Emerson, Manitoba, has been 17 18 reconfigured by TransCanada recently, I believe in 2009 19 or 2010, to accommodate physical bidirectional flow. 20 MR. BOB PETERS: What you're telling 21 the Board is that TCPL is anticipating or getting ready 22 to have the capabilities to physically move molecules 23 from the United States back up north into Canada? 24 MS. LORI STEWART: Yes, that's correct.

And I believe that there is actual experience with that

- 1 now on the record in terms of TransCanada actually
- 2 executing the transaction in reverse of how we would
- 3 typically think about it.
- 4 MR. BOB PETERS: Does that answer
- 5 include, Ms. Stewart, that they've reversed the flow on
- 6 -- on their pipeline?
- 7 MS. LORI STEWART: That's my
- 8 understanding, yes.
- 9 MR. BOB PETERS: All right. And -- and
- 10 can you remind the Board, or in -- indicate, does Great
- 11 Lakes Gas Transmission have the physical capability to
- 12 reverse the flows on its pipeline, or a portion of it?
- MS. LORI STEWART: Yes, it does.
- 14 MR. BOB PETERS: And it's had that for
- 15 some period of time?
- 16 MS. LORI STEWART: Yes. I couldn't
- 17 confirm at -- at what point they put into place the
- 18 facilities to accommodate that, but yes, they do.
- 19 MR. BOB PETERS: Is -- is it your
- 20 understanding, Ms. Stewart, that Great Lakes Gas
- 21 Transmissions can physically flow gas from Crystal
- 22 Falls all the way through to Emerson now?
- 23 MS. LORI STEWART: Yes, that's correct.
- 24 MR. BOB PETERS: Okay. Ms. Stewart, I
- 25 had it in my notes for later, I hope, but while we're

- 1 on some tr -- some pipeline issues, and we're talking
- 2 specifically TransCanada, we mentioned a number of
- 3 different services that they provide. And one (1) of
- 4 the services they provide that I'd just like you to
- 5 explain or define for the Board, is the -- is what has
- 6 been called FTRAM service.
- 7 Are you familiar with that?
- 8 MS. LORI STEWART: Yes, I am, Mr.
- 9 Peters. FTRAM, first of all, what does that stand for?
- 10 And it stands for firm transportation risk alleviation
- 11 mechanism. So it is a service attribute of firm
- 12 transportation service on the Canadian mainline. And
- 13 it was designed, and is provided by the pipeline
- 14 currently, to allow firm transportation shippers the
- 15 opportunity to mitigate their unutilized demand
- 16 charges, sometimes referred to as UDCs.
- 17 MR. BOB PETERS: Can you explain to the
- 18 Board how Centra would use FTRAM?
- 19 MS. LORI STEWART: Certainly. On any
- 20 given day Centra holds a firm transportation contract
- 21 at present to the Manitoba delivery -- delivery area,
- 22 or the MDA, of 110,000 GJs per day. So, for example,
- 23 on a day like today where it is warm at the load, and
- 24 we've already accommodated for the gas that is flowing
- 25 by Manitoba and into our storage facility in Michigan,

118 at the -- when I sum our storage injection requirements and the requirements of the Manitoba load today there will be remaining GJs that are unutilized on a day like today. So for each of those GJs of -- of 5 unutilized demand, you take the rate charged for -- for that service, and we earn a dollar credit associated 7 with that, that we must use for transportation -- for interruptible transportation within the month. So I would need to use it by June 30th. And typically 10 Centra is not a shipper using interruptible 11 transportation but we have the opportunity to sell 13 those credits into the secondary market and recoup some of the value of the fixed demand charge that we are 15 paying in a month like -- like June. 16 MR. BOB PETERS: Could you also, Ms. 17 Stewart, use those credits the last couple of days of 18 June if heaven forbid the weather turned colder and you 19 found yourself needing volume to Manitoba? 20 MS. LORI STEWART: That is not the 21 current forecast, however, yes, we could in a 22 circumstance like that. 23 MR. BOB PETERS: Thank you. 24 25 (BRIEF PAUSE)

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                  MR. BOB PETERS: Ms. Stewart, the FTRAM
   that you spoke of is currently a service offered by
   TransCanada Pipeline. Is that correct?
3
4
                  MS. LORI STEWART: Yes, that's correct.
 5
                  MR. BOB PETERS: Is that embedded in
   the FT, or the firm transportation toll that Centra now
7
   pays? That -- that RAM capability?
                  MS. LORI STEWART: It's embedded in the
   -- in TransCanada's tariff, and as a firm shipper I'm
   entitled to access that service if I have UDCs.
10
11
                  MR. BOB PETERS: Is there an additional
12
   cost to Centra to do that?
                  MS. LORI STEWART: There is not.
13
14
                  MR. BOB PETERS:
                                    My point is it's
15
   included in the existing firm transportation tariff.
16
   You'd agree with that?
17
                  MS. LORI STEWART:
                                     Yes, I would.
18
                  MR. BOB PETERS:
                                    And is it your
19
   understanding, Ms. Stewart, from your following of the
   TransCanada case before the National Energy Board
21
   that's currently ongoing that TransCanada has taken a
22
   position as to the future of FTRAM?
23
                  MS. LORI STEWART: Yes. As part of
24
   TransCanada's services and pricing proposal, in its
   business and services restructuring proposal, or
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- 1 application, it is TransCanada's proposition that FTRAM
- 2 be eliminated as a service attribute of firm
- 3 transportation service.
- 4 MR. BOB PETERS: And that risk-
- 5 alleviation mechanism that you indicated exists on the
- 6 firm transportation, and in the firm transportation
- 7 toll, Ms. Stewart, does that RAM service also exist in
- 8 what has been called the short-term firm service, or
- 9 the STFT?
- 10 MS. LORI STEWART: No. RAM credits
- 11 cannot currently be earned, and thus used, with either
- 12 short term firm transportation, also known as STFT, or
- 13 interruptible transportation, or IT.
- 14 MR. BOB PETERS: And would it also be
- 15 correct at this point on the record, Ms. Stewart, to
- 16 indicate that one (1) of the parties, at least before
- 17 the National Energy Board, is asking that the STFT
- 18 service be included -- include a RAM mechanism?
- MS. LORI STEWART: Yes.
- 20 MR. BOB PETERS: And just to be more
- 21 transparent, that would -- one (1) of the parties, at
- 22 least, is a company that Mr. Stauft has identified
- 23 acting as counsel for?
- 24 MS. LORI STEWART: Yes, that's correct.
- 25 It is Tenaska's proposal to the National Energy Board

- 1 that the right to earn RAM credits be extended to one's
- 2 short-term firm transportation contracts.
- MR. BOB PETERS: But as you've
- 4 indicated, that's -- that's a point that is opposed at
- 5 this point in time by TCPL?
- 6 MS. LORI STEWART: Yes, that's correct.
- 7 MR. BOB PETERS: Thank you. Now
- 8 turning back to our storage and transportation
- 9 arrangements, Ms. Stewart, or perhaps Mr. Kostick, it's
- 10 clear that you've told the Board that the existing
- 11 relationship and contracts ex -- sorry, the existing
- 12 contracts expire March 31 of 2013, correct?
- 13 MS. LORI STEWART: Yes, that's correct.
- MR. BOB PETERS: Does Centra Gas hold a
- 15 right of first refusal on the current arrangements?
- 16 MR. NEIL KOSTICK: Centra has a right
- 17 of first refusal on all of the existing contracts with
- 18 the exception of the Great Lakes winter transportation
- 19 from winter back to Emerson.
- 20 MR. BOB PETERS: And would it be
- 21 correct, Mr. Kostick, that Centra has determined that
- 22 there was a better deal out there than exercising a
- 23 right of first refusal?
- 24 MR. NEIL KOSTICK: We did not have to
- 25 enter into the right of first refusal or ROFR process

122 given the results of the negotiations that we undertook with ANR and Great Lakes. 3 MR. BOB PETERS: But how do you know, Mr. Kostick, that somebody's not going to come along and make an offer on the transportation and storage that Centra now holds at a price less than what you currently have negotiated? 7 8 9 (BRIEF PAUSE) 10 11 MR. NEIL KOSTICK: Mr. Peters, could I 12 ask you to just repeat the question. I'm not sure I 13 quite got the gist of it. 14 MR. BOB PETERS: Apparently there was 15 someone else who didn't get the gist of it. My -- my 16 thought process, Mr. Kostick, to be transparent, is that under a right of first refusal if ANR and Great 17 18 Lakes has an offer from a third party that -- that you don't need to identify or we don't even know today, Centra has the ability to match that offer and get the 21 services rather than let the third party take the 22 services? 23 MR. NEIL KOSTICK: That's my 24 understanding. 25 MR. BOB PETERS: Does it have to be

- 1 that the offer from the third party is greater than, in
- 2 cost, than what Centra currently has, or could it be
- 3 less than what Centra currently has?
- 4 MR. NEIL KOSTICK: I believe it could
- 5 be less for what Centra currently has, subject to
- 6 check.
- 7 MR. BOB PETERS: So my -- my -- where
- 8 I'm going with the question then, Mr. Kostick, is let's
- 9 suppose a third party is interested in some of the ANR
- 10 storage, some of the Great Lakes gas transmission
- 11 pipeline services. Can Centra get the services back at
- 12 a lower price than what they're currently paying by
- 13 matching someone else's offer?
- 14 MR. NEIL KOSTICK: I believe it's a
- 15 possibility. But you would also have the potential for
- 16 getting a -- having to pay a higher price through the
- 17 ROFR process depending on what another shipper may be
- 18 willing to offer for that service.
- 19 MR. BOB PETERS: Has Centra given up
- 20 its right of first refusal on its existing arrangement
- 21 in exchange for negotiating the new provisions that are
- 22 before the Board?
- 23 MR. NEIL KOSTICK: There are some
- 24 timing considerations. There are different ROFR
- 25 periods for the ANR and Great Lakes contracts. The

- 1 fact that we have forwarded a request for new services
- 2 to ANR and Great Lakes has basically taken the ROFR,
- 3 the occurrence of ROFR out of the picture.
- 4 If we were to -- I'd have to check on
- 5 the exact timelines to see whether the ROFR period has
- 6 essentially elapsed or whether there is still an
- 7 existing ROFR period, but the ROFR period is not being
- 8 invoked by ourselves or ANR, given that we have
- 9 submitted requests -- new requests for services.
- 10 MR. BOB PETERS: This may be more --
- 11 Mr. Kostick, this may be more by accident than design,
- 12 but at tab 4 of the book of documents is a --
- 13 equivalent to a Gantt chart that Centra, I believe,
- 14 prepared. Have you seen that before, sir?
- MR. NEIL KOSTICK: Yes.
- 16 MR. BOB PETERS: When the -- when the
- 17 Board looks at the -- down towards the bottom, the
- 18 third line from the bottom is the earliest possible
- 19 commencement of ANR ROFR process. Do you see that
- 20 line?
- MR. NEIL KOSTICK: Yes.
- MR. BOB PETERS: And likewise, below
- 23 that is the commencement of the Great Lakes Gas
- 24 Transmission ROFE process -- sorry, ROFR process?
- MR. NEIL KOSTICK: Yes.

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125
1
                  MR. BOB PETERS: And recognizing those
   timelines, would it be correct to say that Centra could
   have availed itself of that process but for entering
3
   into the negotiations?
5
                   MR. NEIL KOSTICK:
 6
                  MR. BOB PETERS: And Centra made a
   decision not to enter into the right of first refusal
   process because it felt it had a better financial
   arrangement for Manitobans?
10
                  MR. NEIL KOSTICK: Yes.
11
                  MR. BOB PETERS: Are you able to
   quantify how much better the proposal that is before
13
   the Board today is then what it would be if you just
14
   exercised a right of first refusal on the existing
15
   arrangements?
16
17
                          (BRIEF PAUSE)
18
19
                  MR. NEIL KOSTICK:
                                       The package of
   services that Centra has negotiated, we believe, is at
21
   a lower price than could have been secured through the
22
   ROFR process. We do understand that ANR continues to
23
   sell storage at its tariff rate since the time that
24
   Centra entered into the term sheet with ANR and Great
25
   Lakes. But we're not able to quantify the -- any --
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126 any difference in result that may have resulted from going through the ROFR process. 3 (BRIEF PAUSE) 5 6 MR. NEIL KOSTICK: Another point that is important to raise in this regard is that a lot of 7 the features that we have obtained with the new portfolio were the result of a specific negotiation and 10 would not be obtainable through -- or likely to be obtainable through the ROFR process as -- as the 11 services were negotiated as a large package of services. We believe we have obtained certain features 13 14 that would not be available were pieces of the 15 portfolio put through the ROFR process. 16 MR. BOB PETERS: Would it be correct, 17 Mr. Kostick, and maybe Mr. Warden might need to think 18 about this too, is Centra could have lived with the existing arrangement that it has with ANR and Great Lakes longer than twenty (20) years if it had to? 21 MR. NEIL KOSTICK: If the contract term 22 were for longer than twenty (20) years we could manage 23 with that portfolio. 24 MR. BOB PETERS: And so if -- if the portfolio could have been managed for more years, then

- 1 it would probably become a question of whether it was
- 2 cost effective compared to any alternatives. Would
- 3 that be a fair test?
- 4 MR. NEIL KOSTICK: It could be compared
- 5 to other alternatives.
- 6 MR. BOB PETERS: But in this case you -
- 7 you weren't able to compare it to a right of first
- 8 refusal because you don't have details of that from ANR
- 9 or Great Lakes?
- 10 MR. NEIL KOSTICK: We did not go
- 11 through the
- 12 ROFR process, so we do not -- do not have that as a
- 13 point of comparison.
- 14 MR. BOB PETERS: Maybe just let me
- 15 wander seven (7) years from today when you and I are
- 16 next talking, and you're -- you're saying that one (1)
- 17 of the things that you were able to negotiate in that
- 18 new portfolio that you brought before the Board in June
- 19 of 2012, was a right of first refusal, because that's
- 20 one (1) of your points that you say is advantageous to
- 21 what you have negotiated. Correct?
- MR. NEIL KOSTICK: Yes.
- 23 MR. BOB PETERS: And, again, we are
- 24 getting into the depths of hypothetical, but at that
- 25 time, again, you won't be able to tell the Board what

- 1 value that right of first refusal is, unless you
- 2 actually got a -- a cost number from your counter-
- 3 parties, ANR and GLGT. Would that be correct?
- 4 MR. NEIL KOSTICK: Centra views the
- 5 value of the right of first refusal is in being able to
- 6 continue to hold the services, not necessarily as a
- 7 comparator of costs or theoretical costs. It basically
- 8 gives Centra the right to match an existing -- or a
- 9 proposal on its existing services, to ensure that it
- 10 can maintain those services. Therefore, the right of
- 11 first refusal has value to Centra under any
- 12 circumstances.
- In this particular case, with this
- 14 portfolio, we did not have to go that route because we
- 15 negotiated in advance, and ANR and Great Lakes were
- 16 amenable to reaching agreement on a suite of services
- 17 that has been identified in this application.
- 18 MR. BOB PETERS: And, likewise, party
- 19 B, who is unnamed, was also amenable to entering into
- 20 contractual relations with Centra to optimize its
- 21 portfolio, without any right of first refusal
- 22 considerations?
- 23 MR. NEIL KOSTICK: That's correct.
- 24 MR. GREG BARNLUND: Mr. Peters, before
- 25 we leave this line of questioning, I just want to make

- 1 sure the record is clear that we don't view that there
- 2 is any deficiencies with regards to our existing
- 3 assets, and the contracts that have served us very well
- 4 for the last twenty (20) years. If anything, the thing
- 5 that's wrong with them is that they are coming to an
- 6 end, and we have to do something to replace them.
- 7 So I just didn't want to leave any
- 8 impression here that we're, you know, that there's any
- 9 dissatisfaction with the existing arrangements and that
- 10 -- that, you know, there was a need to dispose of them
- 11 and move on to something else. But it's really the end
- 12 of the contract term that we're involved with here.
- MR. BOB PETERS: I wasn't suspecting
- 14 you were getting a divorce. You're actually just
- 15 renewing your vows here, it looks like. Isn't that the
- 16 analogy, Mr. Barnlund?
- MR. GREG BARNLUND: That's a good
- 18 analogy.
- 19 MR. BOB PETERS: And if -- if there
- 20 weren't any deficiencies in what you have, you perhaps
- 21 could have kept what you have at a lower price if you
- 22 did exercise the right of first refusal process?
- 23 MR. NEIL KOSTICK: We don't know
- 24 whether it would ultimately be for a higher or a lower
- 25 price, through the ROFR process.

- 1 MR. BOB PETERS: Would that answer also
- 2 apply, Mr. Kostick, if the Board looked down the road
- 3 seven (7) years to the end of what's proposed before
- 4 them? Is that -- the Board -- you wouldn't be in a
- 5 position to tell whether the proposed portfolio is
- 6 going to be cheaper or more expensive if you -- if you
- 7 exercised a right of first refusal?
- 8 MR. NEIL KOSTICK: There would be no
- 9 way to say with certainty, but again we felt it was
- 10 advantageous to negotiate a package of services as
- 11 opposed to putting individual pieces of the portfolio
- 12 up to bid, so to speak. Correct.
- MR. BOB PETERS: And that's a portfolio
- 14 of services, the price of which will -- will be unknown
- 15 in the future?
- 16 MR. NEIL KOSTICK: It would be unknown,
- 17 but it would not exceed the tariff rate. And that's
- 18 one (1) of the advantages of the AN -- ANR and Great
- 19 Lakes services, is that the rates are capped at a FERC-
- 20 regulated tariff rate.
- 21 MR. BOB PETERS: Just like your current
- 22 arrangement is with ANR and Great Lakes. It's capped
- 23 at a -- at a tariff rate.
- 24 MR. NEIL KOSTICK: That's correct.
- 25 MR. BOB PETERS: All right. Moving --

- 1 moving along, then. I think you've agreed with me, Mr.
- 2 Kostick, that the gas storage is really a strategy to
- 3 reduce the pipeline capacity charges or demand charges
- 4 that would otherwise be incurred?
- 5 MR. NEIL KOSTICK: That is one (1) of
- 6 the benefits of holding storage, yes.
- 7 MR. BOB PETERS: And if we flip to tab
- 8 5 of the book of documents and look at the April to
- 9 October, 2011, summer operations. And there'll be two
- 10 (2) pages, if it was put together properly, that face
- 11 each other. And I'm looking at the page numbered in
- 12 the top right-hand corner, number 24.
- 13 MR. NEIL KOSTICK: Yes, I'm there.
- 14 MR. BOB PETERS: And I want to -- the
- 15 volumes and the deliverability numbers are all
- 16 contained in the rectangular boxes that -- that have
- 17 been put into the chart, sir, or the map?
- 18 MR. NEIL KOSTICK: That's right.
- MR. BOB PETERS: And so leaving aside
- 20 the volumes for now, this is the summer operation which
- 21 is between -- which is what Ms. Stewart has as -- as
- 22 constraints on her operation between April and October
- 23 of twe -- of -- of any given year?
- MR. NEIL KOSTICK: Yes.
- MR. BOB PETERS: And in those summer

- 1 months, what you've shown here is that the gas is
- 2 coming from Western Canada by the Saskatchewan/Alberta
- 3 border, flowing through to Winnipeg, and then south
- 4 along the GLGT line. And at Crystal Falls it makes a
- 5 loop underneath Lake Michigan, and it goes up an ANR
- 6 storage point.
- 7 Have I got that right?
- 8 MR. NEIL KOSTICK: Yes, that's correct.
- 9 MR. BOB PETERS: And what this is
- 10 telling the Board in light of Ms. Stewart's comments
- 11 after lunch, whatever gas we don't need in Winnipeg she
- 12 will send on through into Great Lakes Gas transmission
- 13 line to end up in storage?
- MR. NEIL KOSTICK: Yes.
- MR. BOB PETERS: And the physical
- 16 molecules are actually in the pipelines, following
- 17 those blue arrows, sir?
- 18 MR. NEIL KOSTICK: Yes.
- 19 MR. BOB PETERS: And on this particular
- 20 map, Mr. Kostick, there is -- in the bottom -- excuse
- 21 me, the bottom left there's an Oklahoma supply. And
- 22 then from the bottom right there's a Louisiana supply
- 23 that are also under current arrangements to provide gas
- 24 to Centra into storage?
- MR. NEIL KOSTICK: That's correct.

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133
                   MR. BOB PETERS: And is it correct that
1
   the Oklahoma and the Louisiana supply was utilized if
   the volumes from Western Canada were not sufficient to
3
   fill up the 15 1/2 petajoules of storage?
5
                   MR. NEIL KOSTICK:
 6
                  MR. BOB PETERS: And that would most
7
   likely occur after a cold winter?
                   MR. NEIL KOSTICK:
8
                                       That's correct.
9
                   MR. BOB PETERS: And to repeat a point
10
   earlier, when we come to looking at the current
   operations, the Oklahoma and Louisiana supply is no
11
12
   longer part of the portfolio proposed?
13
                   MR. NEIL KOSTICK: That's right.
14
                   MR. BOB PETERS: If we flip to Tab 6 of
15
   the book of documents and look at the top of page 27 --
16
   sorry, look at page 27, which is marked in the top
   right-hand corner, this is the current winter
17
18
   operations that Ms. Stewart and her department work
   with in -- in meeting the load and getting gas to flow
   to Winnipeg in the winter months.
21
                   Is that correct?
                   MR. NEIL KOSTICK:
22
                                       Yes.
23
                   MR. BOB PETERS: And Ms. Stewart was
24
   careful in her answer to me after lunch to be clear of
25
   two (2) concepts. One (1) was the forward haul.
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- 1 that's shown by the blue arrows on -- on the map of the
- 2 winter operations, sir?
- 3 MR. NEIL KOSTICK: Yes.
- 4 MR. BOB PETERS: And then the back
- 5 haul, which is shown in -- by red arrows, correct?
- 6 MR. NEIL KOSTICK: Correct.
- 7 MR. BOB PETERS: And the phys -- the --
- 8 the forward haul designated by the blue arrows would be
- 9 the direction of the physical flow of the molecules.
- 10 Is that correct?
- 11 MR. NEIL KOSTICK: Yes.
- 12 MR. BOB PETERS: And the back haul is
- 13 the concept where there's an interception of natural
- 14 gas molecules upstream of a certain point, and Centra
- 15 injects the same volume downstream of a certain point?
- MR. NEIL KOSTICK: Yes.
- 17 MR. BOB PETERS: And if I'm getting
- 18 this correct, the molecules from storage that Centra
- 19 actually physically ships into storage are never burned
- 20 in the furnaces in Manitoba?
- 21 MR. NEIL KOSTICK: That is historically
- 22 correct, although Ms. Stewart has noted that Great
- 23 Lakes and TransCanada do have the potential to
- 24 physically move gas north to the Manitoba market. And
- 25 our understanding is that that has occurred at least

- 1 once in the past winter.
- 2 MR. BOB PETERS: But your proposed
- 3 portfolio doesn't include any forward haul of gas from
- 4 storage back to Manitoba, does it?
- 5 MR. NEIL KOSTICK: The arrangements
- 6 don't specify forward haul or back haul. They simply
- 7 specify a receipt point, where the gas is put onto the
- 8 pipeline, and a delivery point, where the gas is taken
- 9 off the pipeline.
- 10 So the contracts don't specify whether
- 11 it's physical movement of gas or notional movement of
- 12 gas. It's simply receipt and delivery points.
- 13 MR. BOB PETERS: And the discounted
- 14 toll is the same whether it's forward or back haul?
- 15 MR. NEIL KOSTICK: That's correct.
- 16 MR. BOB PETERS: Thank you. Just while
- 17 I'm on that, is it now contemplated, Ms. Stewart, that
- 18 in your operations of the need for gas in the winter
- 19 months, that you will physically flow the gas back from
- 20 ANR storage in Northern Michigan back to Emerson and
- 21 north to Winnipeg, or the Manitoba delivery zone?
- 22 MS. LORI STEWART: As -- as Mr. Kostick
- 23 outlined, in our -- in our nomination process which is
- 24 linked to the contracts that underpin our capabilities
- 25 with this portfolio, on any given day I'm not aware of

136 whether or not the gas is physically moving one (1) way or the other. That is all being managed by -- by the pipelines, in terms of whether it's by displacement or whether those volumes are physically moving backwards contrary to the historical flow pattern. 6 We just nom the gas from the receipt point to the delivery point. Whether it's physically 7 flowing in that direction or notionally flowing in that direction is something that I don't need to be aware of on a daily basis. 10 11 MR. BOB PETERS: And when is it that you became aware that -- or, when is it that Centra 13 became aware that gas could physically flow in a forward haul direction on Great Lakes back to Manitoba? 14 15 16 How long ago was that? 17 18 (BRIEF PAUSE) 19 20 MS. LORI STEWART: In terms of being 21 positioned to actually flow gas physically all the way 22 back to the Manitoba delivery area, or the load centre 23 there, I mentioned that the Emerson meter station on TransCanada was reconfigured to permit that, I believe, 24 25 in 2009 or 2010, subject to check. And I would have to

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137
   go and talk to our customer service rep on Great Lakes
   to confirm at what point in time Great Lakes has become
   physically enabled to flow gas bidirectionally. But it
3
   was earlier than that point.
5
                  MR. BOB PETERS:
                                     Thank you, Ms.
   Stewart. So not every molecule of natural gas burned
7
   in Manitoba necessarily now comes from Western Canada?
8
9
                          (BRIEF PAUSE)
10
11
                  MS. LORI STEWART: The best way for me
12
   to characterize it right now, Mr. Peters, is that there
13
    is the potential for not every molecule burned in -- in
14
   the Manitoba delivery area to be coming from the WCSB.
15
                  MR. BOB PETERS:
                                     And you use the word
16
    "potential" because Centra doesn't, as you said
17
   earlier, have any knowledge, and nor need you know,
18
   which way the -- the pipelines are physically flowing?
19
                  MS. LORI STEWART:
                                       I'm using that to
   describe how, on a daily basis, I don't need to be
21
   aware of which way -- which way the molecules are
22
   flowing, although clearly for my portfolio management,
23
    from a portfolio management perspective, I need to be
   aware of the changes that are being made on the
24
   pipelines and why that might be happening, because it -
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138 - it could impact future contracting decisions. 2 MR. BOB PETERS: And, Ms. Stewart, when we -- when you mentioned notional back haul, that's the -- the term to describe Centra releasing gas from its storage facility in Michigan in exchange for Centra taking additional quantities of gas off of presumably the TCPL? 7 8 MS. LORI STEWART: Yes, the process of 9 displacement is how it's generally characterized. 10 MR. BOB PETERS: And when gas is 11 released or -- downstream, and we're looking still on 12 the map on page 27, it appears that you mentioned -- as 13 you mentioned the Great Lakes gas transmission 14 terminates in a place called St. Clair? Is that a 15 Canadian point, or an American point? 16 17 (BRIEF PAUSE) 18 19 MS. LORI STEWART: I'm not sure whether the facilities actually reside in the US or Canada, but 21 it is right at the -- at the border. 22 MR. BOB PETERS: And just across the 23 international border, that's a large storage hub for 24 Ontario local distribution companies of natural gas? 25 MS. LORI STEWART: The Dawn Hub is

- 1 located close to St. Clair, and yeah.
- 2 MR. BOB PETERS: So if -- if the
- 3 notional back haul arrangement, Ms. Stewart, was being
- 4 utilized in exchange for taking volumes off the
- 5 TransCanada pipeline at Winnipeg, Centra would release
- 6 storage gas through the Great Lakes gas transmission,
- 7 through St. Clair, and into -- into the party from whom
- 8 Centra borrowed the gas or displaced the gas?
- 9 MS. LORI STEWART: If we held Dawn
- 10 storage, is that your question?
- MR. BOB PETERS: No, it's just in
- 12 exchange for taking gas off the TransCanada pipeline
- 13 that would exceed -- I think your number after lunch
- 14 here was 110 gigajoules a day.
- 15 MS. LORI STEWART: One hundred and ten
- 16 thousand (110,000) GJs --
- MR. BOB PETERS: Sorry.
- 18 MS. LORI STEWART: -- per day, yeah.
- MR. BOB PETERS: Tara -- oh, 110,000
- 20 gigajoules a day, Centra would release from storage to
- 21 the counter-party...
- MS. LORI STEWART: I'll jump in.
- MR. BOB PETERS: Please.
- 24 MS. LORI STEWART: It isn't at St.
- 25 Clair. We don't hold any transportation capacity all

- 1 the way to the Great Lakes terminus. So when our gas
- 2 is swapped, so to speak, gas delivered to the MDA, that
- 3 amount minus fuel taken out of the storage facility,
- 4 and that would move to other counter-parties, most
- 5 likely at Dew -- Deward or Farwell, on our -- on the
- 6 ANR system.
- 7 MR. BOB PETERS: Thank you. Ms.
- 8 Stewart, you mentioned, I think before lunch,
- 9 nominations. And after lunch you already abbreviated
- 10 that to "nom". But that's your -- that's Centra's
- 11 process for telling the molecule provider and the
- 12 transportation provider as to how much gas Centra
- 13 Manitoba needs in its delivery -- in its service
- 14 territory?
- 15 MS. LORI STEWART: Yes. We enter
- 16 nominations, or in essence we're ordering up the amount
- 17 of gas that we need and communicating that with the
- 18 service provider, always relative, however, to our
- 19 contractual limits.
- 20 So, you know, the decatherm or GJ limits
- 21 that we have embedded within our contracts, obviously
- 22 we don't have the luxury of exceeding those contractual
- 23 limits when we nominate the gas.
- 24 MR. BOB PETERS: You also made mention
- 25 in the opening comments from Mr. Bedford that the

- 1 storage allows Centra to adjust its nominations, either
- 2 intra-day, or I think even the late-night window was
- 3 open, if that's my understanding of the evidence?
- 4 MS. LORI STEWART: Sort of like a
- 5 drive-in, but not quite. And, yes, we do have access
- 6 to a late-night nomination window as a result of our
- 7 storage and transportation contract with TransCanada,
- 8 and it is then coordinated with both Great Lakes and
- 9 ANR.
- 10 And why that late-night nomination
- 11 window is so important to Centra is because at the time
- 12 that we make our intra-day to nomination, it's at 5:00
- 13 p.m. for -- effective for 9:00 p.m.
- 14 We're only twelve (12) hours into the
- 15 gas day. So we've got some history under our belt, but
- 16 we still have twelve (12) hours of load and consumer
- 17 behaviour to attempt to respond to, such that by 9:00
- 18 a.m., those two (2) things have come into balance as
- 19 closely as possible, so supply and demand.
- 20 So the ability to log on in the middle
- 21 of the night -- which is what our schedulers do.
- 22 They're on shift for three (3) hours in the middle of
- 23 the night. They log on, start monitoring the loads,
- 24 and they're able to submit an nomination in advance of
- 25 3:00 a.m. that will become effective for 5:00 a.m.

142 So if indeed the temp -- the weather forecasters have been inaccurate, one way or the other, which is not uncommon, then we can adjust or nominate down our takes from storage in that last window. 5 And it's very helpful to us, in terms of mitigating the balancing fees that we pay on the 7 TransCanada pipeline. 8 MR. BOB PETERS: And while it may mitigate the fees you pay on the TransCanada pipeline, 10 it also exposes Centra to unutilized demand charges on 11 its US assets. 12 Would that be correct? 13 14 (BRIEF PAUSE) 15 16 MS. LORI STEWART: From my perspective, 17 those assets are there to allow us to swing. 18 why we have them put in place, and they are a very cost effective swing service, given the type of flexibility that we have associated with it. 21 MR. BOB PETERS: And my point, Ms. 22 Stewart, is that by exercising storage to help you with 23 your swing service, Centra is being exposed to greater 24 unutilized demand charges, because it isn't using, maybe, the full amount of its reservation.

143 1 MS. LORI STEWART: Yes, that's right. We don't have the luxury of flowing at 100 percent load factor, given the weather variation and consumer --3 consumer adjustments to that. 5 MR. BOB PETERS: And would it follow, Ms. Stewart, that depending on how much lead time Centra has of its -- of its exact needs, that would be 7 the time period in which Centra would have to see if they could sell that unutilized capacity or any 10 unutilized capacity on a secondary market? 11 MS. LORI STEWART: I guess I think 12 that's why I'm struggling with your characterization of 13 it as UDCs, because at that -- at that time there is no market. The market has closed and, as a result, there 14 15 -- there is no opportunity to sell excess assets at 2:00 in the morning. The market will reopen in the 16 morning, and at that point, the day is closing out. 17 18 So those cycles are not in sync and, as 19 a result, I don't -- I think as an operator, I view that capacity a little differently, because it's there 21 to allow us that opportunity to range up and down and 22 to mitigate balancing fees. 23 MR. BOB PETERS: It's a spent cost that 24 you say is a cost of -- of optimizing the portfolio and

25

doing business?

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144
1
                  MS. LORI STEWART:
                                       Yes.
2
                  MR. BOB PETERS: And in exchange for
   exposing the Company and exposing Centra to greater
3
   balancing penalties or balancing fees, you're using the
   nominations process to avoid that?
6
                  MS. LORI STEWART: That's right.
7
   That's -- that's precisely what we're doing. We're
   optimizing our costs.
9
10
                          (BRIEF PAUSE)
11
12
                  MR. BOB PETERS: Ms. Stewart or Mr.
13
   Kostick, at Tab 7 of the book of documents, if you
   could turn there with me, albeit briefly. You'll see
14
15
   on the top of page 31, this is in response, Mr.
   Chairman and Board members, to a pre-asked question
   that was posed through Mr. Bedford's office and -- and
17
18
   others at Centra to update an information request that
19
   had been provided. And we thank them for that.
20
                   On page 31 should be a chart that
21
   contains red lines, blue lines, and green lines all the
22
   way through to February of 2012. Do you have that, Ms.
23
   Stewart? And if not you, Mr. Kostick or others?
24
                  MS. LORI STEWART: Yes, we have the
25 reference.
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145 1 MR. BOB PETERS: All right. And the red line is to show the sum of the blue lines and the green lines, correct? 3 4 MS. LORI STEWART: Yes, that's correct. 5 MR. BOB PETERS: And the red line shows the storage volumes that have come from either Western 7 Canadian sources or US sources. Would that be fair? 8 MS. LORI STEWART: Yes, confirming that it is all still storage gas. 10 MR. BOB PETERS: And the storage gas tops out at around 15 1/2 petajoules; that's the -- the 11 intent of this chart, is to show the maximum there? 12 13 MS. LORI STEWART: Yes, that's correct. 14 MR. BOB PETERS: And then when the 15 Board looks at the blue line -- which is not the 16 highest, not the lowest, but the one (1) in the middle 17 -- these represent molecules from Western Canada that 18 have flowed past Winnipeg, through Emerson on GLGT, and 19 into ANR storage? 20 MS. LORI STEWART: Yes, that's correct. MR. BOB PETERS: And the blue line tops 21 22 out at about 10 petajoules a year, correct? 23 MS. LORI STEWART: That's correct. 24 That's correct. 25 MR. BOB PETERS: And there's a few

146 years, it's either the -- the graph may be inaccurate, or in some years you put in more storage from Western Canada than in -- than in other years. But in any event, that's the Western 4 Canadian component to storage? 6 MS. LORI STEWART: That's correct. 7 MR. BOB PETERS: And that leaves the green line to be what are the US supplies into storage, 9 correct? 10 MS. LORI STEWART: That's correct. 11 MR. BOB PETERS: And the US supplies 12 into storage are also known as "supplemental gas"? MS. LORI STEWART: 13 14 MR. BOB PETERS: And this chart shows 15 that on an annual basis Centra draws down certain 16 levels from storage, correct? 17 MS. LORI STEWART: That's correct. 18 MR. BOB PETERS: And in approximately 19 seven (7) of the ten (10) years that are shown, the blue line will intercept the -- the x-axis at the zero 21 volume level, meaning that all of the western Canadian 22 gas that was put into storage was withdrawn from 23 storage? 24 MS. LORI STEWART: That's correct. 25 MR. BOB PETERS: And in a cold year the

- 1 US supply of supplemental gas is also drawn down,
- 2 although never down to zero?
- MS. LORI STEWART: Yes, that's correct,
- 4 for the time frame shown on this graph.
- 5 MR. BOB PETERS: All right. Does that
- 6 answer suggest that there have been other times when it
- 7 was drawn down to zero?
- 8 MR. BRENT SANDERSON: Following the
- 9 winter of 1995/'96, which was not the coldest winter in
- 10 our records but was very cold, our storage inventories,
- 11 both western Canadian and US supplies, were drawn down
- 12 effectively to zero for all intents and purposes at the
- 13 end of that winter.
- 14 MR. BOB PETERS: And in a warm year,
- 15 Mr. Sanderson, Centra does not use all of the primary
- 16 gas in storage, as can be seen in the February of 2006
- 17 and the February 2012 years?
- 18 MR. BRENT SANDERSON: Both of which
- 19 were extraordinarily warm winters. That's an usual
- 20 event, has been historically, that we wouldn't use all
- 21 of our primary gas storage inventory.
- MR. BOB PETERS: Not as unusual, Mr.
- 23 Sanderson, that Centra doesn't use all of its
- 24 supplemental gas in years such as, I guess, 2006, '07,
- 25 2010, or 2012. In those years, Centra hasn't drawn

- 1 down all of its supplemental gas from storage?
- 2 MR. BRENT SANDERSON: As Mr. Kostick
- 3 mentioned earlier, it's our responsibility to plan to
- 4 be able to serve our load in extraordinarily cold
- 5 winter conditions. So it follow that it wouldn't be a
- 6 frequent event that we would be historically drawing
- 7 down our storage inventory to zero be -- because we
- 8 need to use those assets in order to maintain our
- 9 reliability in the coldest weather conditions that we
- 10 might experience, which are outside our control.
- 11 MR. BOB PETERS: And but for the -- the
- 12 year that I think you mentioned was '95/'96, and
- 13 including the ten (10) years that's shown on page 31 at
- 14 Tab 7 of the book of documents, Centra never needed 15
- 15 1/2 petajoules of storage?
- 16 MR. BRENT SANDERSON: I wouldn't agree
- 17 with that characterization. Maybe with the benefit of
- 18 20/20 hindsight it may appear that way. But if we take
- 19 ourselves back to the commencement of that arrangement,
- 20 we had no idea at that point in time whether we would
- 21 have five (5) or six (6) 1995/'96 equivalent winters.
- 22 And, in fact, we have colder winters than that in the
- 23 historical record that occurred prior to the
- 24 commencement of the twenty (20) year agreement that
- 25 we're looking at right here. So that would be how I

149 would respond to that characterization. 2 MR. BOB PETERS: And would you respond to that characterization, Mr. Sanderson, that in the -the cold year you mentioned, of 1995/'96, Centra could have used more than 15 1/2 petajoules of storage? 6 MR. BRENT SANDERSON: Again, I guess --7 I guess the characterization is in the eye of the beholder. That 15 1/2 petajoules allowed us to serve our market requirement. And whatever excess we needed 10 we managed to purchase that cost-effectively and the 11 load was met when it was required without any 12 interruption to our firm customers' requirement in a 13 cost-effective way. So I wouldn't say that we could 14 have used more. We managed through that winter very 15 effectively with the storage inventory we had at the time. 16 17 MR. BOB PETERS: Well -- well, I don't 18 have the numbers in front of me, Mr. Sanderson. Did 19 Centra get gas in 1995/'96 on the market to meet the load that was cheaper than the gas it was taking out of 21 storage, or can you answer that from -- from your 22 information? 23 24 (BRIEF PAUSE)

150 1 MR. BRENT SANDERSON: Subject to check, there -- the prices that would have been paid for market gas, if you will, during the course of that 3 winter in order to manage through that -- that very cold winter weather, some would have been at lower prices, some would have been at higher prices. But there were instances of small 7 amounts of gas purchased that were for -- relative to our storage inventory, were at higher prices, which again just points to the value of having inventoried 10 storage the summer before we get into a condition like 11 12 that. 13 MR. BOB PETERS: But it also 14 demonstrates that, in -- in terms of saying that Centra 15 was able to meet the load. 16 That's almost a given, is it not, Mr. 17 Sanderson, that Ms. Stewart is always going to find gas 18 for Manitobans; it's only a question of price? 19 MR. BRENT SANDERSON: I wouldn't necessarily agree with that, depending on the 21 configuration of assets that you hold. 22 23 (BRIEF PAUSE) 24 25 MS. LORI STEWART: If you're talking

- 1 about a one (1) day occurrence, then, yes, we would
- 2 clearly take from the pipe what we need on a single day
- 3 if there was some type of circumstance, a disruption of
- 4 the pipeline system, and -- but we do have to be
- 5 cognizant that there are other users downstream of us,
- 6 LDCs in the Eastern Canadian market, who are reliant on
- 7 -- on receiving their requirements from the pipeline.
- 8 So, you know, this -- this -- we have to
- 9 be very careful about walking away with the impression
- 10 that you can just take what you need, because you would
- 11 be causing harm potentially to another party further
- 12 down the pipeline. And that's why parties work hard to
- 13 ensure that they have the deliverability that is
- 14 required in order to meet the needs of their
- 15 marketplace.
- 16 And I -- I also want to -- to help the
- 17 Board with a detail, perhaps. But from an operator's
- 18 perspective, once we've drawn down storage levels to 20
- 19 percent, so there's only 3.1 PJs in our facility again,
- 20 I'm into ratchets, which means that now I can't pull
- 21 the same amount of gas out of storage as what I've been
- 22 relying on from a planning perspective. And that's
- 23 that daily deliverability number.
- So once I've drawn down the capacity to
- 25 20 percent, then I start to lose deliverability, and

- 1 that means that then I'm exposed to buying in the day
- 2 market and moving gas potentially on an interruptible
- 3 transportation path, which makes me feel pretty
- 4 uncomfortable in February and March.
- 5 So when we are talking about the notion
- 6 of storage, you've heard my colleagues suggest that the
- 7 objective is not to draw down storage to zero, because
- 8 I will have blown through all of my ratchets, and I'm
- 9 out scrambling to find gas in the latter part of the
- 10 winter, which is not the modus operandi that a utility
- 11 should be in.
- 12 It -- rather, if we're ending the winter
- 13 at storage in at about 20 percent, then that's where we
- 14 should have ended up, and then move forward to refill
- 15 the storage facility after that, recognizing that all
- 16 of this is completely dependent on weather.
- 17 MR. BOB PETERS: Ms. Stewart, thank you
- 18 for that. And maybe what we should do is just take a
- 19 minute or two (2) to -- to flip back to Tab 6 of the
- 20 book of documents for the winter operations.
- 21 And in terms of your current
- 22 deliverability, we see for example that on Great Lakes
- 23 you're showing 237,388 gigajoules a day of back haul
- 24 capability on Great Lakes? And I'm looking on page 27,
- 25 almost right in the middle of the page.

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153
1
                  MS. LORI STEWART: Yes, that's correct.
2
                  MR. BOB PETERS: And what you're
   telling the Board is that if your storage volumes get
3
   down below, I think your number was, 20 percent of what
   you've contracted, you then have an obligation with ANR
   that you can't withdraw your maximum amounts that you
   entered into the contract. Your -- your deliverability
   suffers.
                                      That's correct.
9
                  MS. LORI STEWART:
10
   daily deliverability out of storage would be -- would
   be impacted, and that number is actually the two-o-
11
   eight, five-ninety-one (208,591). So that's not our
13
   Great Lakes capacity. It's the ANR pipeline --
14
                  MR. BOB PETERS: Sorry, I --
15
                  MS. LORI STEWART: -- capacity out of
16
   storage.
17
                  MR. BOB PETERS: And how many -- it
18
   ratchets down, I believe that was either in the
19
   rebuttal or in one (1) of the IRs. There was an
   indication of -- of the ratcheting process. But that
21
   ratcheting process exists currently as well, correct?
22
                  MS. LORI STEWART:
                                      It does.
23
                  MR. BOB PETERS: And it'll exist in the
24
   future portfolio as well?
25
                  MS. LORI STEWART:
                                      That's correct.
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154 MR. BOB PETERS: When we look back at 1 the -- the chart on page -- at Tab 7 of the book of documents, pre-ask PUB/CENTRA-1, page 31, in the top 3 right-hand corner. In a warm year such as 2006, would it be correct to say that Centra only needed 4 petajoules of storage? And we can get that by the --7 the drop in the red line on that year? 8 MS. LORI STEWART: Given the context of everything that has gone before us, yes, that's 10 correct. 11 MR. BOB PETERS: And we see that the US storage, the green line, of supplemental gas, wasn't 12 13 called upon at all in terms of draw-downs during that 14 winter? MS. LORI STEWART: 15 That's correct. 16 MR. BOB PETERS: And to a similar 17 extent, I suppose, we're going to see that in the year 18 Mr. Warden has alerted us to, and that is 2012, where 19 only 6 petajoules of storage, it looks like, was -- was actually needed if we -- if we assume the red line is 21 bottoming out where it leaves off? 22 MS. LORI STEWART: On a -- on a 23 hindsight basis, yes, that's correct. 24 MR. BOB PETERS: And whether or not the volumes were 6 petajoules or 4 petajoules from storage,

155 the costs were still based on 15 petajoules. Correct? MS. LORI STEWART: 2 That's correct. 3 MR. BOB PETERS: I don't want to dwell on this, but I'm going to ask, through Mr. Bedford, if you could perhaps take an undertaking, Ms. Stewart and Mr. Sanderson, that in the -- on the graph on page 31 of the book of documents, for the 2005/'06 year, it looks like storage volumes, as I said, were drawn down in '04 to 4 1/2 petajoules. Do you see the point I'm 10 referencing? 11 MS. LORI STEWART: I'm sorry. Are you 12 referencing the 2005/2006 winter? 13 MR. BOB PETERS: Yes. February '06 14 would be the -- the point on the graph that would best 15 demonstrate my point. 16 MS. LORI STEWART: And your request is...? 17 18 MR. BOB PETERS: No, my -- my point is 19 that  $4 \frac{1}{2}$ , or  $4 -- 4 \frac{1}{2}$  petajoules of storage gas was used that winter? 21 MS. LORI STEWART: That looks about 22 right. 23 MR. BOB PETERS: All right. And here's 24 -- here comes the question, Ms. Stewart. At

CAC/CENTRA-18-E, there's a table that provides the

- 1 storage withdrawal, and shows it at 7.4 petajoules.
- 2 And I'm not sure it can be something
- 3 that you can identify on the -- while on the
- 4 microphone, but I'd like you to maybe reconcile those
- 5 two (2) for the Board at some point by way of an
- 6 undertaking, unless it's something that you can readily
- 7 respond to at this time.
- 8 MS. LORI STEWART: Can you provide that
- 9 reference again?
- 10 MR. BRENT SANDERSON: I'm sorry, did
- 11 you say CAC/CENTRA-18-E?
- 12 MR. BOB PETERS: I think I said 17-E,
- 13 but I'm just now checking to see if that's correct, or
- 14 I meant to say 17-E if I didn't. You've got that, Mr.
- 15 Sanderson?
- 16 MR. BRENT SANDERSON: Yes, I do.
- MR. BOB PETERS: And by way of
- 18 undertaking, would you be amenable to reconciling
- 19 those, if you can?
- 20 MR. BRENT SANDERSON: Yes, I'll look
- 21 into that for you, sir.
- MR. BOB PETERS: All right. The
- 23 request for undertaking was for Centra to reconcile the
- 24 chart included with pre-ask PUB/CENTRA-1 for the
- 25 February 2006 point, with the indication in CAC/CENTRA-

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157
   17-E which provides the 2005/'06 storage withdrawal
  volumes.
3
   --- UNDERTAKING NO. 2: Centra to reconcile the
5
                                chart included with pre-ask
                                PUB/CENTRA-1 for the
6
                                February 2006 point, with
                                the indication in
9
                                CAC/CENTRA-17-E which
10
                                provides the 2005/'06
11
                                storage withdrawal volumes
12
13
   CONTINUED BY MR. BOB PETERS:
14
                  MR. BOB PETERS: Ms. Stewart, we're on
15
   a roll, so let's keep going. Let's explain to the
   Board how Centra ensures there's natural gas to burn in
   the furnaces of Manitobans even on that coldest day.
17
18
   And if we can go to Tab 8 of the bok of documents,
19
   we'll see some supply stacks and some peak day
20
   requirements.
21
                  And, Mr. Sanderson, just by way of
22
   curiosity, what is the coldest day on record that
23 Centra has for Manitoba?
24
                  MR. BRENT SANDERSON: February 1, 1996,
   where the average daily temperature was minus 38
```

- 1 degrees Celsius.
- 2 MR. BOB PETERS: And that date is
- 3 burned into your mind, probably not because you had to
- 4 go to work that day, but also because that's the day
- 5 that you use for planning purposes in terms of what a -
- 6 what a maximum day could like for the utility?
- 7 MR. BRENT SANDERSON: Yes, that
- 8 constitutes what we refer to as our design peak day, so
- 9 the worst-case experience conditions historically.
- MR. BOB PETERS: And on page 36, found
- 11 at Tab 8 of the book of documents, the annual peak day
- 12 that's shown, is that for the 2010/11 year, to the best
- 13 of your knowledge?
- 14 MR. BRENT SANDERSON: Yes, that's
- 15 correct, Mr. Peters.
- 16 MR. BOB PETERS: And the left-hand
- 17 column in the chart shows that the peak day firm load
- 18 was 481.3 terajoules?
- MR. BRENT SANDERSON: By way of minor
- 20 correction, it shows what our firm designed peak-day
- 21 load would be, given our current market and a
- 22 reoccurrence of the weather experienced on February
- 23 1st, 1996.
- 24 MR. BOB PETERS: All right. As opposed
- 25 to an actual date, it's recreated based on the design

- 1 load?
- 2 MR. BRENT SANDERSON: It's a
- 3 theoretical calculation, and it's a forecast estimate.
- 4 MR. BOB PETERS: And what you show at
- 5 the top of that peak-day firm load is that the
- 6 interruptible customers are shown separately, correct?
- 7 MR. BRENT SANDERSON: Yes, sir, that's
- 8 correct.
- 9 MR. BOB PETERS: And that's because on
- 10 the coldest day of the year, if Centra needs to --
- 11 doesn't have the gas readily available, the
- 12 interruptible customers will be the first customers to
- 13 be told to interrupt their service and either shut down
- 14 or find alternate means?
- MR. BRENT SANDERSON: They're one (1)
- 16 of the tools in our toolbox to deal with peak-day
- 17 management. But under most anticipated conditions,
- 18 they would be offered what we refer to as alternate
- 19 service in lieu of regular interruptible service in
- 20 order to replace that regular interruptible service.
- 21 And they basically would pay their way on the day at
- 22 current prevailing market prices.
- 23 We would line up incremental supply at
- 24 prevailing market prices. And they have the choice
- 25 whether to take that or to go to an alternate fuel

- 1 source under those curtailment conditions.
- 2 MR. BOB PETERS: Have you included
- 3 interruptible customers under your portfolio design
- 4 that you're pu -- putting -- putting before the Board?
- 5 MR. NEIL KOSTICK: For the design of
- 6 the peak-day requirements, interruptible customers are
- 7 excluded. But interruptible load is included for the
- 8 seasonal load, as interruptible customers could
- 9 transition between -- or, could transition to firm at
- 10 any time.
- 11 So that load was considered for -- on a
- 12 seasonal basis but not for the peak day.
- MR. BOB PETERS: Thank you. And then
- 14 in terms of meeting those requirements, Ms. Stewart,
- 15 there's a supply stack on the right-hand side of the
- 16 chart shown on this document.
- 17 And the first -- it looks like the first
- 18 building block would be your TransCanada firm service
- 19 that you would -- you would get and you told the Board
- 20 about, coming from Alberta?
- MS. LORI STEWART: Yes, that's correct.
- MR. BOB PETERS: And this would be gas
- 23 that is under contract pursuant to Centra's long-term
- 24 primary gas contract?
- MS. LORI STEWART: That's correct.

- 1 MR. BOB PETERS: And you would
- 2 essentially take the maximum amount that you could
- 3 under that contract on this day?
- 4 MS. LORI STEWART: I would take the
- 5 maximum amount that I can move on my transportation
- 6 contract on that day.
- 7 MR. BOB PETERS: And the second supply
- 8 source to serve the Manitoba load on this day that
- 9 we've notionally depicted here was the US storage and
- 10 transportation shown in red.
- 11 And that would have been primarily, we
- 12 think, by way of back haul, most likely notional back
- 13 haul?
- 14 MS. LORI STEWART: Yes, that component
- 15 of the supply stack is made up of our withdrawal -- our
- 16 withdrawal capability from storage, so our daily
- 17 deliverability as well as the ANR southwest piece that
- 18 allows us to move gas to the market in the winter.
- 19 MR. BOB PETERS: All right. That's a
- 20 new wrinkle, your last comment. And that was an
- 21 ability that you could take some gas and move it
- 22 directly to market, rather than have to rely on storage
- 23 gas.
- 24 MS. LORI STEWART: That's correct.
- MR. BOB PETERS: And then peaking

- 1 demand service is shown in green. That's correct?
- MS. LORI STEWART: Peaking delivered
- 3 service, yes.
- 4 MR. BOB PETERS: And the peaking
- 5 delivered service was by way of a contractual
- 6 arrangement that Centra would have entered into prior
- 7 to the winter season?
- 8 MS. LORI STEWART: Yes, prior to the
- 9 winter season, or prior to the likelihood of any
- 10 incurrence of our peak day. So, for example, it may
- 11 not get put in place until November the 15th, but I
- 12 don't have any risk until January or February of
- 13 incurring that peak day.
- 14 MR. BOB PETERS: And in terms of this
- 15 peaking delivered service, Ms. Stewart, this would be
- 16 with a counter-party that would provide Centra with a
- 17 certain volume of gas when you called on it?
- 18 MS. LORI STEWART: Yes. In essence, it
- 19 represents a call option for gas on a specific day for
- 20 a specific amount.
- MR. BOB PETERS: Do you pay cash for
- 22 that, or do you pay in kind with -- with gas at a later
- 23 time?
- 24 MS. LORI STEWART: Typically neither.
- 25 Typically we have been able to avoid the incurrence of

163 1 demand charges associated with our peaking services.

- 2 And payment is not in kind with gas, again, typically.
- 3 Rather, the counter-party would -- would
- 4 gain their value in the event that I call on that
- 5 service. So the premium above market for gas on the
- 6 day on which I might be calling on a peaking service,
- 7 you know, there could be a thirty (30) cent, or a fifty
- 8 (50) cent per GJ premium, if I call on it on that day.
- 9 MR. BOB PETERS: But you -- you have to
- 10 pay the counter-party for the service they provide and
- 11 the molecules they provided?
- 12 MS. LORI STEWART: Only if I call on
- 13 it.
- MR. BOB PETERS: Correct.
- MS. LORI STEWART: Correct.
- 16 MR. BOB PETERS: Yeah. And so that's
- 17 paid in cash. Do they send an invoice or do you offset
- 18 that by way of returning gas to that counter-party?
- 19 MS. LORI STEWART: No, they would
- 20 invoice us for it.
- 21 MR. BOB PETERS: And the last brick in
- 22 the wall is the purple one (1), the delivered service?
- 23 That's uncontracted delivered service at the start of
- 24 the year, Ms. Stewart?

164 1 (BRIEF PAUSE) 2 3 MS. LORI STEWART: Yeah, that swath of delivered service, Mr. Peters, is pre-contracted. 5 MR. BOB PETERS: It's what you'd call seasonal delivered service? 6 7 MS. LORI STEWART: Yes, it has been characterized as seasonal delivered service. We've made a shift in terms of referring to it as primary gas 10 transported by others, because it represents Western 11 Canadian supplies as opposed to US supplies. But, yes, 12 seasonal delivered services is what we have referred to 13 it as historically. 14 MR. BOB PETERS: But it also 15 represents, Ms. Stewart, an amount by which Centra 16 exposes Manitobans to not having gas in the preferred portfolio? 17 18 That's something that Centra has to 19 source outside your portfolio? 20 MS. LORI STEWART: That swath of -- of delivered service was contracted because it was a more 21 22 economic alternative, relative to holding TransCanada 23 mainline capacity at a time when tolls are at an all-24 time high. 25 MR. BOB PETERS: And so it's gas that's

165 not coming under your primary gas contract or from your American sources? 3 MS. LORI STEWART: That's correct. MR. BOB PETERS: And if what we're looking at, Ms. Stewart, on page 36 of the book of documents found at tab ni -- 8, is the 2010/11 year peak-day supply stack. If we turn the page, I think 7 we're looking there at a different year, probably 2011 9 and '12. 10 Do you accept that, subject to check? 11 MS. LORI STEWART: Actually, what is 12 represented on page 37 of -- of the book of documents 13 is what we know about how -- what the peak-day supply 14 stack would look like, given the proposed portfolio 15 being implemented. So it would actually be 2013/14. Well, it's a combination of -- of two (2) gas years, 17 actually. It would be a combination of 2012/13 and 18 2013/14. 19 MR. BOB PETERS: And that's because, Ms. Stewart, your storage portfolio commences April 1, 21 when your gas year and your supply contracts start 22 November 1? 23 MS. LORI STEWART: Yes, that's correct. 24 MR. BOB PETERS: And what you're

showing the Board, Ms. Stewart, is that Centra expects

- 1 its supply of the peak-day needs to change, or at least
- 2 relative proportions change, in that the Western
- 3 Canadian supply here includes what you had previously
- 4 called delivered service and compares that with what
- 5 would be made up from the US or supplemental gas?
- 6 MS. LORI STEWART: Yes, if I can use
- 7 the colour blocks on both pages. On page 36 of the
- 8 book of documents, the blue, the purple, and the green
- 9 would all represent gas coming from Western Canada,
- 10 while the red is gas notionally sourced in the US.
- 11 Of -- of course, it's coming out of
- 12 storage, so -- and storage was filled primarily with
- 13 Canadian gas, so putting all of that together.
- 14 And on page 37 then we have the same red
- 15 block of -- of deliverability associated with our US
- 16 storage and transportation assets. And we've combined
- 17 all of those other blocks into Western Canadian
- 18 deliverability.
- 19 MR. BOB PETERS: One (1) of the points
- 20 of distinction, Ms. Stewart, when you juxtapose those
- 21 two (2) graphs, is that the TCPL firm service provided
- 22 on the -- page 36 of the book of documents, that
- 23 represents Centra's primary gas under its long-term
- 24 storage contract as limited by its transportation
- 25 capability?

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167
1
                  MS. LORI STEWART:
                                       Under its long-term
   supply contract. You said "storage contract," but...
3
                  MR. BOB PETERS: All right. Sorry if I
   misspoke, but it's under the long-term primary gas
   supply contract as limited by TCPL firm transportation?
 6
                  MS. LORI STEWART:
                                       Yes, that's correct.
7
                  MR. BOB PETERS: Whereas on page 37
   you've combined a number of the ingredients, including
   the gas that is to be supplied and delivered through
10
   the services of others other than your long-term
   primary gas contract and your -- and Centra's TCPL firm
11
12
   contract?
13
                  MS. LORI STEWART:
                                     Yes, we were looking
14
   to simplify and distinguish between deliverability from
   our US assets and deliverability from Western Canada.
15
16
                   THE CHAIRPERSON: Can I ask a
17
   question?
              In respect to the -- the new table, or at
18
   least the looking-forward table, you're combining three
19
    (3) elements: the -- the delivered service, peaking
   delivered service, and TCPL.
                   If you were to ventilate the new
21
22
   looking-forward table, would you get the same three (3)
23
   factors? In other words, delivered service, peaking
24
   service, and the TCPL regular fixed service?
25
                   I mean, if you ventilate the blue, are
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168 you getting the same components? 2 MS. LORI STEWART: Yes. 3 THE CHAIRPERSON: Okay. MS. LORI STEWART: The same components would be there. The relative percentages may be different. 7 THE CHAIRPERSON: Okay. 9 CONTINUED BY MR. BOB PETERS: 10 MR. BOB PETERS: And just a point, Ms. Stewart, on that is that when you look at the forward-11 12 looking one (1) on page 37, even though it's cau --13 it's -- there's a red block indicating US 14 deliverability, some of that gas is -- is Western 15 Canadian gas? MS. LORI STEWART: Yes. I should have 16 17 -- to be precise, the blue block represents Western 18 Canadian gas delivered to the load or direct to the 19 load, as opposed to some of what's in the red block is Western Canadian gas that has flowed by us and into 21 storage as opposed to direct to load. 22 MR. BOB PETERS: Let's take a quick 23 review of the current gas market, if we could. And would Centra agree that some of the same factors that 24 25 have reduced the cost of natural gas have also impacted

- 1 on the transportation costs, Mr. Sanderson?
- 2 MR. BRENT SANDERSON: Could you restate
- 3 the question, Mr. Peters? I'm sorry.
- 4 MR. BOB PETERS: Yes, certainly. You
- 5 in your direct evidence to Mr. Bedford told the Board
- 6 that presently known unconventional gas has caused some
- 7 changes in the -- in the gas market.
- MR. BRENT SANDERSON: Yes, that's
- 9 correct.
- 10 MR. BOB PETERS: And as an example, one
- 11 (1) of those unconventional sources of gas was shale
- 12 gas, which is now being produced in locations that are
- 13 closer to their marketplace, and that will impact
- 14 transportation requirements.
- MR. BRENT SANDERSON: Yes, to the
- 16 extent that eastern markets that previously shipped
- 17 large amounts of natural gas in the TransCanada
- 18 mainline from western Canada, to the extent that those
- 19 US northeastern markets, and now increasingly eastern
- 20 Canadian markets, can access gas closer to home and pay
- 21 much lar -- much lower shipping costs because of its
- 22 proximity, lesser volume shipped westward on the
- 23 TransCanada mainline, which results in a fixed cost of
- 24 service that is being divided by an ever-shrinking
- 25 volume of gas being shipped on the mainline, which has

- 1 been the model that has been adhered to thus far, which
- 2 results in continued escalating unit tolls for the
- 3 shippers remaining on that system.
- 4 MR. BOB PETERS: Putting a name to it,
- 5 Mr. Sanderson, shale gas is displacing western Canadian
- 6 gas, which leaves, for example, TransCanada pipeline
- 7 with extra capacity.
- MR. BRENT SANDERSON: That's an
- 9 accurate characterization.
- 10 MR. BOB PETERS: And you see that
- 11 happening not necessarily only for TCPL, but for other
- 12 shippers as well. There's been an adjustment of
- 13 transportation arrangements.
- 14 MR. BRENT SANDERSON: There's differing
- 15 degrees in terms of the pain that's being inflicted on
- 16 certain mark -- prior market participants, but this is
- 17 wide-ranging. And TCPL is by no means the only example
- 18 of a pipeline that is encountering difficulties because
- 19 of the wholesale shift in transport -- in production
- 20 and natural gas transportation patterns in North
- 21 America.
- MR. BOB PETERS: Mr. Sanderson, you'd
- 23 agree that shale gas is also affecting the market price
- 24 of natural gas?
- MR. BRENT SANDERSON: In terms of the

- 1 law of supply and demand, the more supply that there is
- 2 in the marketplace, the usual outcome is that prices
- 3 fall. And that has been the case as a result of the
- 4 explosive growth in shale ba -- gas production in North
- 5 America.
- 6 MR. BOB PETERS: And at Tab 9 of the
- 7 book of documents, we see from one (1) of the previous
- 8 Public Utilities Board Orders 54 of '12, a depiction of
- 9 the primary gas billed rate by Centra, shown on the red
- 10 line that is characterized by being stepped, compared
- 11 to the dotted line of the AECO C monthly prices,
- 12 correct?
- 13 MR. BRENT SANDERSON: Correct.
- MR. BOB PETERS: And AECO C monthly was
- 15 a -- it's a demarcation for the Alberta Energy Company?
- 16 MR. BRENT SANDERSON: AECO C, as noted
- 17 here, the AECO acronym stands for the Alberta Energy
- 18 Company. And the AECO C delivery hub is a notional
- 19 storage point just inside the Alberta border, just west
- 20 of the Saskatchewan-Alberta border. And it's the
- 21 predominant price benchmark for western Canadian gas.
- 22 And it's the underlying price indi -- index by which
- 23 the prices of our western Canadian purchases are set.
- 24 MR. BOB PETERS: IS AECO C a legacy
- 25 name, Mr. Sanderson, now known as Nova Inventory

- 1 Transit, or Transfer?
- MR. BRENT SANDERSON: Well, to be more
- 3 specific the -- without wanting to get into too much of
- 4 the -- the details of the names of these points, the
- 5 proper industry name for this AECO C hub is the AECO C
- 6 and Nova Inventory Transport price index hub. So it's
- 7 an inventory transfer point on the Nova system, which
- 8 is today referred to as the intra-Alberta system, which
- 9 is the pipelines within the province of Alberta.
- 10 And so basically it's the terminus of a
- 11 large gathering and processing system which collects
- 12 the gas from all of the production region in Alberta.
- 13 And it generally flows into a large storage facility
- 14 within Alberta, and that's the natural point because
- 15 there's so much takeaway capacity from that point
- 16 physically that it's a natural gathering place for
- 17 buyers and sellers to congregate and determine the
- 18 price for the commodity. And there is a number of
- 19 pipeline systems that take that gas away to the
- 20 northwestern US east across the TransCanada mainline,
- 21 and so forth.
- MR. BOB PETERS: Mr. Sanderson, the --
- 23 the graph on -- at Tab 9 of Board Counsel's book of
- 24 documents, Exhibit PUB 7, compares the billed rate that
- 25 consumers of Centra are paying to -- to the monthly

- 1 index price at AECO.
- 2 MR. BRENT SANDERSON: Yes.
- 3 MR. BOB PETERS: And you said the law
- 4 of supply and demand. It looks like there's lots of
- 5 supply. And whatever the demand is, the price is
- 6 falling?
- 7 MR. BRENT SANDERSON: That's correct.
- 8 MR. BOB PETERS: At a ten (10) year low
- 9 at least?
- MR. BRENT SANDERSON: We've -- we've
- 11 been at thirteen (13) and fourteen (14) year lows at
- 12 certain points in the -- the current year.
- MR. BOB PETERS: And the forecast is
- 14 for low prices to continue at least for the foreseeable
- 15 future?
- 16 MR. BRENT SANDERSON: If one were to
- 17 want to go out and fix, financially, a five (5) year
- 18 average purchase price as of the close of the market on
- 19 Friday, one could do that at a price of three dollars
- 20 and forty (\$3.40) cents per gigajoule for the coming
- 21 five (5) years.
- MR. BOB PETERS: Again, a relative low
- 23 price in terms of the historic prices?
- 24 MR. BRENT SANDERSON: Given that, as we
- 25 described, over most of the first decade of the 21st

- 1 century prices averaged much closer to seven dollars
- 2 (\$7) a gigajoule and spiked to prices well in excess of
- 3 ten dollars (\$10), as high as thirteen (13), fourteen
- 4 dollars (\$14) during that period.
- 5 MR. BOB PETERS: And Centra looks at
- 6 the futures market as an indicator of the likely prices
- 7 going forward. Would that be fair?
- 8 MR. BRENT SANDERSON: It's our position
- 9 that it's the best forecast of prices for the commodity
- 10 for future delivery periods.
- 11 MR. BOB PETERS: For the general reason
- 12 that the market knows what the market knows and the
- 13 market sets the price that it thinks is -- is going to
- 14 be extracted at that point in time?
- MR. BRENT SANDERSON: Actual market
- 16 transactions act as a great information filter, in our
- 17 opinion. Proprietary forecasts, just to express an
- 18 opinion, is a very low-risk endeavour. But market
- 19 prices in the futures market are set on the basis of
- 20 counter-parties each taking risk in the marketplace and
- 21 backing up their respective forecasts with the dollars
- 22 and cents that they're exchanging for those
- 23 transactions. And the equilibrium the prices reach in
- 24 terms of executed transactions should represent the
- 25 consensus opinion of the marketplace as to the value of

- 1 natural gas for future delivery periods.
- MR. BOB PETERS: Mr. Sanderson, in the
- 3 direct evidence I heard today -- I actually thought it
- 4 was in Mr. Bedford's opening comments so I won't take
- 5 it as sworn testimony, but I also thought Ms. Stewart
- 6 may have repeated it. But there's a -- there was an
- 7 indication that Centra believes that gas purchased in
- 8 the summer season will be generally cheaper than gas
- 9 purchased in the winter season. Is that accurate?
- 10 MR. BRENT SANDERSON: Like so many
- 11 things with the natural gas industry, generally that is
- 12 true, but there is a lot of exceptions underlying that
- 13 general tendency. On average over the past eleven (11)
- 14 years, if you take on-average winter gas, prices for
- 15 gas in the winter months have averaged approximately 10
- 16 percent higher prices than those in the summer months.
- 17 But within that eleven (11) year period
- 18 pro -- about half the time winter prices end up being
- 19 cheaper than summer prices and the converse. So on
- 20 average, when you take the whole sum total of what goes
- 21 on on average, winter prices are a bit more expensive,
- 22 on average 10 percent in the winter months. But each
- 23 individual -- each individual year it's anyone's guess
- 24 how each individual year will turn out summer relative
- 25 to winter.

- 1 MR. BOB PETERS: All right. I raise
- 2 that because Mr. Stauft, in his pre-filed evidence --
- 3 and we'll certainly speak to him about that, indicated
- 4 that he was going to notionally credit a calculation of
- 5 Centra's portfolio and their ability to access summer
- 6 supply as costing perhaps \$4 million less than if they
- 7 had to buy that gas in the winter. Do you recall that
- 8 at all in his evidence?
- 9 MR. BRENT SANDERSON: I do recall the
- 10 reference you're speaking of, but I have no particular
- 11 point of view as to the accuracy of his \$4 million
- 12 figure.
- MR. BOB PETERS: Now, Mr. Stauft was
- 14 quick to agree with Centra. And you're now not quick
- 15 to agree with him?
- 16 MR. BRENT SANDERSON: I'm not
- 17 disagreeing with him either.
- 18 MR. BOB PETERS: That was an attempt at
- 19 humour, Mr. Sanderson. But if you could turn to Tab 23
- 20 of the book of documents. And we look to an
- 21 Information Request that was pulled from a cost of gas
- 22 application in 2010 and '11. You'll see PUB/CENTRA-4.
- 23 You've located that?
- MR. BRENT SANDERSON: Yes, I have.
- MR. BOB PETERS: And the -- the second-

177 last page at Tab 23 of that book of documents contains a chart. It's probably a chart that you helped prepare, Mr. Sanderson. And that's on page 98 of the book of documents. 5 MR. BRENT SANDERSON: The staff in my area prepared that, yes, sir. 7 MR. BOB PETERS: All right. And back to page 90, which was the first page, under "Question B," starting on line 12. On behalf of the Board you 10 were asked to explain whether a summer-winter price 11 differential exists at the AECO Hub and, if possible, 12 demonstrate graphically. 13 And the answer that came back was: 14 "No systemic summer-winter price 15 differential exists at the AECO Hub." 16 And then you provided the -- the graph. And then you went further and provided the data points 17 18 in the page following the graph. Correct? 19 MR. BRENT SANDERSON: Correct. 20 MR. BOB PETERS: And now you just told 21 the Board, in the last eleven (11) years, on average, winter has been -- winter prices have been 10 percent 22

higher than the summer prices have been. Correct?

a 10 percent margin, on average.

MR. BRENT SANDERSON: By approximately

23

178 1 MR. BOB PETERS: And just to understand your graph, there's a zero point in the middle of the page. If buying gas in the summer is more expensive 3 than buying gas in the winter, the data points would be above that zero line. Would that be correct? 6 MR. BRENT SANDERSON: Can you restrate -- restate the price relationship you just described? One (1) of the difficulties here is depending on what annual period we're talking to, so I just want to make 10 sure that I respond accurately to your question in the way you described it. 11 12 MR. BOB PETERS: All right. Let me 13 step back. You're showing two (2) lines on the -- on 14 the graph, one (1) depicting spot prices, monthly spot 15 prices, and the other is a daily spot price. Correct? 16 MR. BRENT SANDERSON: Yes. 17 MR. BOB PETERS: But they relatively 18 move in lock-step, or relatively parallel to each 19 other? 20 MR. BRENT SANDERSON: Over -- yes. 21 They do. 22 MR. BOB PETERS: And -- and I'm 23 suggesting that for the Board to interpret this chart, 24 they would look at the middle of the chart and see the 25 zero dollars in the middle of the chart where the

179 seasonal price differential is plotted. You've got that? 3 MR. BRENT SANDERSON: Yes, I do. 4 MR. BOB PETERS: And I'm suggesting to you that in any year, if the actual summer prices are lower than the winter prices, the data points would be all above that zero point on the --8 MR. BRENT SANDERSON: No, actually -actually the opposite would be true in the case of this 10 chart, where the prices are, in the winter period, are below zero, that would indicate that summer prices were 11 12 lower on average than the following winter's prices. 13 MR. BOB PETERS: I think we're saying 14 the same things, but I'm suggesting the bottom part of the chart shows gas in the summer is less expensive 15 16 than gas in the winter. 17 MR. BRENT SANDERSON: Okay, yes. 18 would agree with you. 19 MR. BOB PETERS: And then, conversely, if it's above the zero, buying gas in the summer is 21 more expensive than buying gas in the winter in those 22 periods? 23 Yes, sir. MR. BRENT SANDERSON: 24 MR. BOB PETERS: And so when we look at that chart, we're looking for some kind of a -- a ra --

- 1 conclusion to reach from it, the Board wouldn't readily
- 2 determine that winter was necessarily cheaper than
- 3 summer by, on average, 10 percent unless it actually
- 4 did the actual mathematical calculations?
- 5 MR. BRENT SANDERSON: Not wanting to
- 6 quibble on details, but the opposite of what you
- 7 described. They wouldn't readily be able to determine
- 8 that summer gas was cheaper by 10 percent, on average,
- 9 compared to winter gas. You stated the converse.
- 10 MR. BOB PETERS: I apologize.
- MR. BRENT SANDERSON: They might not
- 12 readily be able to discern that from the chart. With
- 13 my educated eye, when I look at this, I would be able
- 14 to see that relationship that I just described start
- 15 forming by virtue of the fact that when the price
- 16 differential dips below zero -- meaning summer gas is
- 17 cheaper than winter gas, it dips further below zero in
- 18 those cases than the extent to which it rises above
- 19 zero in the cases where winter gas would have been
- 20 cheaper than summer gas.
- 21 MR. BOB PETERS: All right. That's a
- 22 fair answer and I apologize if I misspoke. But the --
- 23 the suggestion you made was the gas purchased in the
- 24 winter could be 10 percent more expensive than gas
- 25 purchased in summer, in a particular year?

181 MR. BRENT SANDERSON: 1 The last eleven (11) years of historical experience indicates that, on average, winter -- the purchase of winter gas, on 3 average, would have been approximately 10 percent higher-priced than purchases in the previous summer. But within any individual year, what's going to happen 7 in terms of that relationship, it's anyone's guess. 8 MR. BOB PETERS: And was this relationship built into the computer models that Centra 10 ran? 11 MR. BRENT SANDERSON: Well, while we 12 didn't build in the historical experience, our futures price curves that Centra developed, employing futures 13 market prices in their send-out modelling, inherently 14 15 incorporated the market's assumption about a forward winter-summer price differential. 16 17 And, as so many of these things work out 18 sometimes, it -- it almost seems more than a 19 coincidence. The average premium of winter prices versus summer prices in those futures price curves, as 21 determined by participants transacting in the market

22 place, was the same 10 percent that we've experienced

23 and seen in the market over the past eleven (11) years

24 in actual fact.

182 1 (BRIEF PAUSE) 2 3 MR. BOB PETERS: I'll come back to that, Mr. Sanderson, in a few minutes. Perhaps in five (5) minutes or less I can get you to turn to Tab 10 of the book of documents and when Centra is designing its storage and transportation portfolio, Centra has to be 7 aware that the price of natural gas is different in different supply hubs across North America. Would that be correct? 10 11 MR. BRENT SANDERSON: Yes, that's 12 correct. MR. BOB PETERS: And that's information 13 that the computer model needs to know if it's going to 14 15 run iterations of what an optimal portfolio would be? MR. BRENT SANDERSON: 16 To the extent 17 that the portfolio developer has the opportunity to 18 purchase gas from those different basins, yes, that 19 would be part of the parameters embedded in the model. 20 MR. BOB PETERS: And what you're saying 21 to the Board, Mr. Sanderson, is that it may be 22 advantageous for Centra to be able to purchase the gas 23 molecules from places other than AECO on occasion? 24 MR. BRENT SANDERSON: That very may -they -- may very well be the case, Mr. Peters.

- 1 MR. BOB PETERS: But not only do you --
- 2 does Centra have to consider the cost of the molecules,
- 3 it then has to also take into account the
- 4 transportation needed to get it to market?
- 5 MR. BRENT SANDERSON: It's always the
- 6 case that there would be ancillary costs involved in
- 7 trying to exploit an attractive market price
- 8 differential between basins.
- 9 MR. BOB PETERS: And so we see on Tab
- 10 10 of the book of documents, on page number 41, we see
- 11 that the basis differential as between a number of
- 12 supply hubs is plotted always in comparison to the AECO
- 13 hub. Is that correct?
- MR. BRENT SANDERSON: Yes, that's
- 15 correct.
- 16 MR. BOB PETERS: And in this particular
- 17 instance, the Henry Hub is located in, is it Louisiana?
- MR. BRENT SANDERSON: Yes, it's
- 19 located, again, at the intersection of a number of
- 20 inter and intra-state pipeline systems in Louisiana.
- 21 And as the AECO C Nova Inventory Transfer point
- 22 functions as the benchmark hub for the price of
- 23 Canadian natural gas, the Henry Hub is the US
- 24 equivalent for the benchmark price -- or the benchmark
- 25 market value of gas in the United States.

- 1 MR. BOB PETERS: And not only Henry
- 2 Hub, but there are some other hubs that you've listed
- 3 here that -- that are purchase options for the
- 4 Corporation?
- 5 MR. BRENT SANDERSON: Yes, just being
- 6 clear that Henry Hub, for example, wouldn't be a
- 7 purchase option for Centra itself. So there is some
- 8 that are options. There's other benchmark hubs in here
- 9 that wouldn't necessarily be physical supply hub
- 10 options for us. The cost of taking advantage of those
- 11 hubs would far outweigh any possible benefit in terms
- 12 of a differential.
- MR. BOB PETERS: All right. But gas
- 14 may be priced based on those hubs is what you're
- 15 telling the Board, and that may be gas your purchase?
- MR. BRENT SANDERSON: Yes.
- 17 MR. BOB PETERS: And when we talk about
- 18 the basis differential would it be correct, or would it
- 19 be too simplistic, to suggest that the basis
- 20 differential is really the relative costs of gas as
- 21 between those -- those two (2) hubs. So it would take
- 22 into account such things as transportation?
- 23 MR. BRENT SANDERSON: Yes, "basis
- 24 differential," you'll hear that terminology used in
- 25 different context. There can be different -- basis

- 1 differentials can take on different forms. There can
- 2 be basis differentials through time, basis
- 3 differentials between different commodities. In the
- 4 case of this chart, these are what we'd refer to as
- 5 locational basis differentials. And they're simply
- 6 nothing more than the market price differential, one
- 7 (1) point relative to another as specified in the
- 8 chart.
- 9 MR. BOB PETERS: Would the Board be
- 10 correct in interpreting that chart as saying that AECO-
- 11 indexed gas has generally been the cheapest index of
- 12 gas over those last fifteen (15), seventeen (17) years?
- MR. BRENT SANDERSON: Generally
- 14 speaking, yes.
- 15 MR. BOB PETERS: And that's but for
- 16 Louisiana, mid-continent dipping down between '07 and
- 17 '09 -- I'm sorry, Oklahoma.
- 18 MR. BRENT SANDERSON: Correct.
- 19 MR. BOB PETERS: Maybe -- maybe your
- 20 memory will allow the Board the anecdotal comment, Mr.
- 21 Sanderson, as to what happened in Oklahoma or mid-
- 22 continent that its gas was significantly cheaper than
- 23 others at that point in time.
- 24 MR. BRENT SANDERSON: Subject to check,
- 25 without knowing all of the explicit details of it, it

- 1 was a physical -- a physical phenomena of gas having
- 2 backed up in that basin. I remember -- to the best of
- 3 my recollection, it had to do with operational
- 4 phenomena and the -- such that there was an excess
- 5 supply accumulated for a short period of time at that
- 6 hub, which would have, again, the -- the tendency to
- 7 drive down price when that supply exceeds the regional
- 8 demand. But as you can see, it was very short-lived
- 9 and the phenomena that gave rise to it was resolved.
- 10 MR. BOB PETERS: Mr. Sanderson,
- 11 Centra's long-term primary gas contract is indexed to
- 12 AECO?
- 13 MR. BRENT SANDERSON: Yes.
- 14 MR. BOB PETERS: And the one (1) -- you
- 15 also told the Board, or was told to the Board in direct
- 16 evidence, that Centra is currently considering a new
- 17 long-term primary gas contract that would be effective
- 18 on November 1st of 2012?
- 19 MS. LORI STEWART: Yes, that's correct.
- 20 MR. BOB PETERS: And, Ms. Stewart, are
- 21 you able to indicate to the Board whether it's a
- 22 requirement of that contract to also be priced on the
- 23 in -- the AECO index?
- 24 MS. LORI STEWART: Yes, I can confirm
- 25 that.

- 1 MR. BOB PETERS: And is that because,
- 2 Ms. Stewart, that Centra's empirical evidence is that
- 3 AECO-priced gas is cheaper than any other place?
- 4 MR. BRENT SANDERSON: Not explicitly,
- 5 Mr. Peters. It's more a function of the liquidity at
- 6 the AECO -- AECO C Nova Inventan Inventory Transfer
- 7 point delivery hub. One (1) of the benefits of a
- 8 liquid trading hub is the liquidity, the ease of buying
- 9 and selling, and the transparency and price discovery
- 10 that accrue from that. The greater liquidity and the
- 11 more activity that takes place at a particular point,
- 12 the more confident that a buyer can be that they're
- 13 paying what would -- one would characterize as the fair
- 14 market price for the commodity.
- MR. BOB PETERS: Couldn't that same
- 16 answer apply to the Henry Hub, Mr. Sanderson?
- 17 MR. BRENT SANDERSON: If the attendant
- 18 transportation costs and the geographic pri --
- 19 positioning of the buyer made that a logical physical
- 20 point at which to buy, yes. If you had your choice
- 21 among hubs in the US, Henry Hub would be the one (1)
- 22 you would pick, all other things being equal.
- 23 MR. BOB PETERS: All right. And if
- 24 Centra were to buy gas elsewhere, then it would need to
- 25 factor in the transportation costs and this basis

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188
   differential that you've now told the Board about?
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                  MS. LORI STEWART: Yes, that's correct.
 3
                  MR. BOB PETERS: And that was an input
   into the computer mo -- computer modelling that was
 6
   done?
 7
                  MS. LORI STEWART: Yes. It's a
   function of the price curves at the various points that
   were embedded in send out (phonetic).
10
                  MR. BOB PETERS: All right. At that
   point, Mr. Chairman, if the Board was interested in an
11
12
   afternoon recess this might be an appropriate time.
13
                  THE CHAIRPERSON: Let's take ten (10)
14 minutes, please.
15
                  MR. BOB PETERS: Thank you.
16
17
    --- Upon recessing at 3:08 p.m.
18
   --- Upon resuming at 3.22 p.m.
19
20
                  MR. BOB PETERS: Yes. Thank you.
                                                      If I
21
   can continue. And Mr. Warden is not the target of my
   next questions, although he's always welcome to -- to
22
23
   provide his information.
24
25
   CONTINUED BY MR. BOB PETERS:
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189 MR. BOB PETERS: I'd like to turn with 1 the witness panel to the TCPL tolling situation. And this was mentioned by the Board in Order 65 of '11 that 3 was included in Tab 1 of the book of documents. 5 But in consideration of the tolling, Ms. Stewart, you are the witness most closely aligned to the TransCanada pipeline contractual relations as well 7 as the National Energy Board hearing that it's presently having? 10 Yes, that's correct. MS. LORI STEWART: 11 MR. BOB PETERS: And what we've talked 12 about earlier is that, in essence, storage is a proxy 13 for pipeline capacity, albeit supposedly at a cheaper 14 cost? Correct? 15 MS. LORI STEWART: Yes, that's correct. And as well we've talked about the benefits of 16 diversity of transportation paths as well. 17 18 MR. BOB PETERS: And one (1) of the 19 options for Centra would be, to meet the Manitoba load, is to buy its -- all of its capacity on TransCanada 21 pipeline, sufficient to meet that 100 percent load. 22 Correct? 23 MS. LORI STEWART: We could do that, but I think you appreciate that that would be a very 24 25 expensive option.

190 1 MR. BOB PETERS: And Mr. Stauft, in his evidence, quantified that as if Centra was to contract with TransCanada pipeline for 100 percent of its needs on a firm basis, the price tag is in the range of \$50 million, five-zero (50)? 6 MS. LORI STEWART: I -- I didn't myself do that calculation, however, it sounds in the ballpark, Mr. Peters. 9 MR. BOB PETERS: So it was probably 10 prohibitively too high to even put it on the list as an option. Would that be fair? Like, Centra's knowledge 11 just made that not even a worthwhile calculation to 13 work through? 14 MS. LORI STEWART: Yes, that's correct. 15 MR. BOB PETERS: And would it be 16 correct that, while Mr. Sanderson has told the Board 17 that pre-1993, when apparently only Mr. Barnlund knew 18 about it, the -- the company did get all of its gas 19 shipped on TransCanada pipeline? 20 MS. LORI STEWART: That's my 21 understanding. 22 MR. BOB PETERS: One (1) of the points 23 that Mr. Stauft made, and was addressed by Centra in 24 their rebuttal, was that for TCPL to be a viable option, there would need to be some assumptions made

- 1 with the service offerings by TransCanada pipeline as
- 2 wall -- as well as the tolling levels that TransCanada
- 3 pipeline would charge going forward. Do you recall
- 4 that?
- 5 MS. LORI STEWART: I recall Mr.
- 6 Stauft's evidence, yes.
- 7 MR. BOB PETERS: And in many regards,
- 8 Centra wasn't prepared to agree with the assumptions
- 9 that Mr. Stauft was making to make TransCanada pipeline
- 10 a competitive offering in -- in the future?
- 11 MS. LORI STEWART: My recollection of
- 12 Mr. Stauft's evidence is that he was building a premise
- 13 based upon a number of assumptions that -- that are not
- 14 in place today. And so whether or not they come to be
- 15 in the future, of course, neither Mr. Stauft or I are -
- 16 are aware of that. But that's what he was -- I think
- 17 he was trying to paint a picture of what-ifs, built
- 18 upon another what-if.
- 19 MR. BOB PETERS: And what we do know
- 20 from a factual basis, Ms. Stewart, is that Centra has
- 21 been reducing its firm service capacity on TransCanada
- 22 over the past several years?
- 23 MS. LORI STEWART: Yes, that's correct.
- MR. BOB PETERS: And one (1) of the
- 25 reasons Centra has been reducing its TCPL capacity is

- 1 that the tolls have been increasing, and Centra has
- 2 determined there are economic alternatives to TCPL
- 3 providing all of the transportation?
- 4 MS. LORI STEWART: Yes, that's correct.
- 5 To date, when we've been evaluating our contracting on
- 6 the TransCanada mainline and comparing them to other
- 7 alternatives available in the marketplace, there has
- 8 been sufficient value in those other alternatives to --
- 9 to result in us making the decision to reduce our
- 10 contract demand on TransCanada.
- MR. BOB PETERS: And the general issue
- 12 -- and not to -- not to get in it too deeply, Ms.
- 13 Stewart, is that because the volumes shipped on
- 14 TransCanada have been decreasing, and the fixed costs
- 15 have not been decreasing in lock-step, there's been
- 16 increases in the unit costs including the unit tolls
- 17 that go along with the services offered by TCPL.
- MS. LORI STEWART: Yes, that's correct.
- 19 MR. BOB PETERS: And to illustrate the
- 20 tolls issue, at least in approximate terms, if we could
- 21 turn to the book of documents Tab 12, Ms. Stewart, this
- 22 is a document, if I recall correctly, it was from a
- 23 presentation you made?
- 24 MS. LORI STEWART: Yes, that's correct,
- 25 at the first technical conference back in July of 2011.

193 1 MR. BOB PETERS: And while I may not have been there, the -- the illustrative Empress to eastern zone dollars per gigajoule column was 3 representative of what TransCanada was indicating back in 2007 when it looked into its -- into its future. 6 MS. LORI STEWART: Yes, that's correct. 7 MR. BOB PETERS: And so that first column starts off at a dollar two (\$1.02), goes down to a dollar six (\$1.06). That was illustrative of what 10 they thought might be the toll going forward from 11 Empress to the eastern zone. 12 MS. LORI STEWART: Yes, that's correct. 13 MR. BOB PETERS: And when we talk the 14 eastern zone -- and although I did skip over the map in 15 the book of documents found at Tab 11, the eastern 16 zone, all we need to know about that is it's east of 17 Manitoba and it goes all the way out to Quebec. 18 MS. LORI STEWART: That's correct. 19 MR. BOB PETERS: And when we look at the eastern zone relative to the Manitoba delivery 21 zone, or Manitoba delivery area, the Manitoba tolls are 22 approximately one-third (1/3) of the eastern zone toll. Would that be fair? 23 24 MS. LORI STEWART: Yes, it is. 25 MR. BOB PETERS: And the middle -- or

- 1 the next column is called "Actual Empress to Eastern
- 2 Zone Prices." And what this shows is what has, in
- 3 fact, transpired since 2007 on the TCPL tolling
- 4 structure for their mainline service?
- 5 MS. LORI STEWART: That's correct.
- 6 MR. BOB PETERS: And so if we -- if we
- 7 jump down to test year of 2010, and test years 2011, we
- 8 see prices that were not previously envisioned by
- 9 TransCanada in their early years.
- 10 MS. LORI STEWART: That's correct.
- MR. BOB PETERS: And just to bring to
- 12 the Board's attention the test year 2012, that would be
- 13 the year in which we are currently in for TransCanada?
- 14 Would that be correct?
- MS. LORI STEWART: Yes, that's correct.
- 16 TransCanada tolls are set on a calendar year basis.
- 17 MR. BOB PETERS: And the toll that is
- 18 presently being charged through to Centra by TCPL is
- 19 the 2011 toll, although it's being charged on an
- 20 interim basis going forward?
- 21 MS. LORI STEWART: Yes, that's correct.
- 22 The 2012 interim toll is the two dollars and twenty-
- 23 four cent (\$2.24) to the eastern zone which is the
- 24 benchmark toll. And the toll that we pay to move the
- 25 gas to Manitoba is sixty-eight-decimal-zero-two cents

- 1 (68.02).
- 2 MR. BOB PETERS: And is there a test
- 3 year 2013 number that you can provide us with, Ms.
- 4 Stewart, based on the -- based on the initial filing of
- 5 TCPL?
- 6 MS. LORI STEWART: The restructuring
- 7 proposal presented by TransCanada has embedded, or
- 8 there is embedded in it, tolls associated with complete
- 9 implementation of the restructuring proposal relative
- 10 to what TransCanada refers to as the "status quo," so
- 11 if everything was going to remain as is without its
- 12 proposed changes.
- 13 And as I spoke to in my direct evidence
- 14 this morning, the basis of all of those numbers has
- 15 significantly changed as a result of TransCanada's
- 16 advice that it would be re -- restating its throughput
- 17 and related assumptions. There are more detail --
- 18 there's more detailed information becoming available on
- 19 June the 29th, associated with that restatement. And I
- 20 -- I'm not sure whether or not you would -- I -- I
- 21 certainly can go and get you the old number but we're
- 22 probably all more interested in the restated numbers.
- 23 MR. BOB PETERS: Well, I won't speak on
- 24 behalf of the Board, Ms. Stewart. But would you be
- 25 amenable to undertaking, after June 29th and before

- 1 closing argument, coming back to this Board with an
- 2 indication of what the restructured proposal is from
- 3 TransCanada for tolls in the 2013 calender year?
- 4 MS. LORI STEWART: Yes. Just to be
- 5 clear, it will be tolls for the 2013 calender year,
- 6 assuming the restructuring proposal is implemented but
- 7 taking into account the updated throughput study and
- 8 related assumptions.
- 9 MR. BOB PETERS: That would be
- 10 acceptable. And if you could also provide the status
- 11 quo number that the TCPL is using as perhaps the other
- 12 end of the calculation.
- MS. LORI STEWART: I'm trying to
- 14 recall, Mr. Peters, because clearly TransCanada will
- 15 not be updating all of its schedules. There is almost
- 16 -- there are almost ten thousand (10,000) pages of
- 17 evidence already on the record with this proceeding.
- 18 So my only caution is that to the extent
- 19 that that information is provided by TransCanada, then
- 20 certainly I will ensure that this Board receives it
- 21 prior to closing submissions for this proceeding. I
- 22 just cannot recall at this moment whether or not they
- 23 will be updating for status quo as well.
- 24 MR. BOB PETERS: All right. We'll --
- 25 maybe you can indicate that in your undertaking

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197
   response then, Ms. Stewart.
 2
                   MS. LORI STEWART: I will.
 3
    --- UNDERTAKING NO. 3: Centra to indicate what the
 5
                                restructured proposal is
                                from TransCanada for tolls
 6
 7
                                in the 2013 calender year,
                                assuming the restructuring
 9
                                proposal is implemented but
10
                                taking into account the
11
                                updated throughput study
12
                                and related assumptions,
13
                                and provide the status quo
14
                                number that the TCPL is
15
                                using as the other end of
16
                                the calculation
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18
   CONTINUED BY MR. BOB PETERS:
19
                   MR. BOB PETERS:
                                     Thank you.
   Stewart, while we're still on Tab 12 of the book of
21
   documents, the calender year 2012 toll for Manitoba
   you've quantified at approximately sixty-nine (69) or
22
23
   sixty-eight (68) cents?
24
                   MS. LORI STEWART: Yes, that's correct.
25
                   MR. BOB PETERS: And, in fact, that's -
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198 - that's called an interim toll, would that be correct, by TCPL? 3 MS. LORI STEWART: That's correct. MR. BOB PETERS: Is it also correct that TCP -- I'm sorry, that the National Energy Board does not establish rate riders for its -- for its 7 tolling? Ms. Stewart, I'll rephrase that. 8 I was suggesting to you that the National Energy Board does not establish a rate rider 10 relative to this interim toll but would take any revenue deficiency or sufficiency into consideration in 11 12 setting the next year's toll? 13 MS. LORI STEWART: Yes, that's correct. 14 MR. BOB PETERS: And so while Centra is 15 currently paying sixty-nine (69) cents a gigajoule to 16 get gas from Empress on the TransCanada mainline under 17 firm transportation, that's by way of an interim toll. 18 And if it's under-recovering the costs 19 that are approved by the National Energy Board, Centra would expect that toll to increase for 2013? 21 MS. LORI STEWART: Well, the toll 22 proposal is to fix tolls for the 2012 and 2013 time 23 So the proposal -- and this is the awkwardness frames. of it, is of course we're well into 2012. But the 24

proposal at the time that it was filed by TransCanada

- 1 in September of 2011 was to fix the tolls for the
- 2 2012/2013 time frame such that there was toll certainty
- 3 over that two (2) year horizon.
- 4 MR. BOB PETERS: All right. So what
- 5 you're telling the Board is that the 2012 toll looks to
- 6 be sixty-eight (68), sixty-nine (69) cents a gigajoule,
- 7 and any revenue deficiency or sufficiency would be
- 8 reflected in the 2013 rates that would be charged by
- 9 TCPL?
- 10 MS. LORI STEWART: My understanding is
- 11 that any revenue deficiency associated with --
- 12 associated with the proposal will move into something
- 13 referred to as a short-term adjustment account which
- 14 will de -- be depreciated over a five (5) year window.
- MR. BOB PETERS: All right. Thank you.
- 16 Thank you for that. The indication in your direct
- 17 evidence this morning, Ms. Stewart, was that if the
- 18 toll for calendar 2012 has been set as an interim toll
- 19 based on the 2011 toll, that number is likely to be 30
- 20 percent lower than what TCPL will be proposing under
- 21 its restructured application?
- 22 MS. LORI STEWART: I -- I suggested the
- 23 opposite in my direct evidence, that as a result of
- 24 TransCanada's advice that it would be restating its
- 25 throughput and related assumptions, that the toll that

- 1 it has communicated to the National Energy Board and
- 2 stakeholders as a result of the restructuring proposal
- 3 would be moving up by at least 30 percent.
- 4 MR. BOB PETERS: I apologize, Ms.
- 5 Stewart. I intended to perhaps put that same
- 6 proposition to you, is that the tolls that you're now
- 7 telling the Board are set for 2012 are too low by
- 8 approximately 30 percent, according to the latest
- 9 information from TCPL.
- 10 MS. LORI STEWART: You're trying to
- 11 reference the 30 percent to the current tolls, but
- 12 that's not what they're advising will be changing.
- 13 They're advising that the tolls that could be achieved
- 14 if the restructuring proposal is implemented, and that
- 15 were conveyed in its application, now are not
- 16 achievable and will be increasing as a result by 30
- 17 percent. So those two (2) are not the same thing.
- 18 MR. BOB PETERS: All right. Thank you
- 19 for that -- for that correction. And so mindful of
- 20 these TCPL tolling issues and if we flip ahead in the
- 21 book to Tab 22, we see that Ms. Foulkes has been in
- 22 communication with TCPL and that, going forward,
- 23 looking at the bottom row in the chart or the table,
- 24 Centra plans on reducing its current contract demand of
- 25 110 gigajoules a day down to 90,000 gigajoules a day,

- 1 correct?
- MS. LORI STEWART: It is correct that
- 3 we have, at this point in time in our planning horizon
- 4 in advance of November the 1st, 2012, reduced our
- 5 contract demand to the Manitoba delivery area by 20,000
- 6 GJs per day.
- 7 However, our evidence at our response to
- 8 PUB/CENTRA-5 is that we will and are continuing to
- 9 evaluate our contract demand for TransCanada firm
- 10 service to the MDA and the SSDA for the 2012/13 gas
- 11 year.
- 12 So I -- I would like to put more weight
- 13 on our response into the Information Request, which is
- 14 basically we're in the midst of a planning horizon
- 15 here. If indeed we require or it is economic for us to
- 16 go and get more firm service, we're all aware that
- 17 there is a lot of available capacity on the TransCanada
- 18 mainline. And we have the opportunity to go and -- and
- 19 contract for that demand in advance of November the
- 20 1st.
- MR. BOB PETERS: That would be by way
- 22 of a separate contract?
- 23 MS. LORI STEWART: It would be by way
- 24 of a separate contract, but then they blend them for
- 25 nomination purposes such that our schedulers only have

202 to nominate one (1) -- one (1) number. 2 MR. BOB PETERS: But for renewal purposes, they would be treated as two (2) contracts? 3 4 MS. LORI STEWART: Yes, that's correct. 5 MR. BOB PETERS: And you have up until the night before to subscribe for additional volumes if that's what Centra determines? 7 MS. LORI STEWART: I'm not sure I have 8 quite up to the night before, but I certainly have a number of months ahead of us in order to make that 10 11 determination and -- and contractually put it into 12 place. 13 MR. BOB PETERS: So you expect, Ms. Stewart, that Centra will make that final determination 14 15 well in advance of October 31 of 2012? 16 MS. LORI STEWART: Yes. 17 18 (BRIEF PAUSE) 19 20 MR. BOB PETERS: In terms of the 21 consideration of the storage options as opposed to the 22 TCPL-only option, the evidence that the Board heard 23 today was that last summer, Centra advised the Board 24 and stakeholders of various options it had been 25 exploring. Is that correct?

203 MR. NEIL KOSTICK: That's correct. 1 2 MR. BOB PETERS: And, Mr. Kostick, some of those storage options included storage in Western 3 Canada. There was an eastern option. There was a Manitoba storage option talked about. There was an upper midwest storage option, and even a virtual 7 storage option. 8 MR. NEIL KOSTICK: Correct. 9 MR. BOB PETERS: And when -- and all -all of those options were presented to the Board and 10 11 stakeholders at the technical conference a year ago? 12 MR. NEIL KOSTICK: Yes. 13 MR. BOB PETERS: And following that 14 technical conference, Centra eliminated some of those 15 options from further consideration? 16 MR. NEIL KOSTICK: That's correct. 17 MR. BOB PETERS: And would it be fair 18 to say, Mr. Kostick and Mr. Barnlund, that the 19 elimination of those options wasn't the subject of a consultation process with the stakeholders? That was something that Centra 21 22 determined based on the recognizance it had done? 23 MR. GREG BARNLUND: That's correct. 24 MR. BOB PETERS: And so when Centra eliminated some of the options -- for example the upper

- 1 midwest and North Dakota options I understand were
- 2 eliminated partly because some of those pipeline
- 3 capacities were already sold out?
- 4 MR. NEIL KOSTICK: In some cases they
- 5 were sold out, or in other cases the transportation
- 6 path for stor -- withdrawals would be very expensive
- 7 and very cumbersome, and it would clearly be uneconomic
- 8 and potentially unreliable in comparison to the options
- 9 that we had not, at that point, eliminated.
- MR. BOB PETERS: Thank you, Mr.
- 11 Kostick. Could I just ask you to -- if you could move
- 12 that mic a little closer, just to assist me?
- The last part of your answer was not
- 14 only were they not available, but there was another
- 15 reason?
- 16 MR. NEIL KOSTICK: Either pipeline
- 17 capacity was sold out; or the pipeline capacity would
- 18 be very expensive; or in the case of the North Dakota
- 19 option, the deliverability from that storage facility
- 20 was not sufficient to meet our swing requirements.
- 21 So it was a combination of being
- 22 potentially unreliable as well as being a high cost
- 23 with respect to the cost of transportation from those
- 24 storage facilities to Manitoba.
- MR. BOB PETERS: Thank you, sir. The

- 1 Western Canadian storage options included storage
- 2 upstream of Manitoba, meaning between Manitoba and the
- 3 wellhead, or Empress?
- 4 MR. NEIL KOSTICK: In Alberta, the
- 5 storage is generally located around AECO, and there are
- 6 also upstream options in Saskatchewan.
- 7 MR. BOB PETERS: And in both of those
- 8 instances, if Centra did buy storage, they would still
- 9 need to have transportation to get it to Winnipeg?
- 10 MR. NEIL KOSTICK: That's correct.
- MR. BOB PETERS: And that brings up the
- 12 TransCanada pipeline tolling situation again?
- MR. NEIL KOSTICK: Yes
- 14 MR. BOB PETERS: And that was one (1)
- 15 of the reasons that upstream, or Western Canadian,
- 16 storage was removed from the short list.
- 17 MR. NEIL KOSTICK: Yes, due to
- 18 prohibitively costly transportation costs for storage
- 19 withdrawals.
- 20 MR. BOB PETERS: I suppose in an ideal
- 21 world, Mr. Kostick, you'd have storage right here in
- 22 Manitoba. That would be the best of all worlds you
- 23 could envision.
- 24 MR. NEIL KOSTICK: If it were economic,
- 25 then absolutely.

206 1 MR. BOB PETERS: And not only is it not economic, but we don't have it. 3 MR. NEIL KOSTICK: We don't have it, and depending on market circumstances, I don't think we can quite prejudge at this point that it wouldn't be economic in the future. 7 MR. BOB PETERS: We don't have it now, sir, and you're not aware of anybody developing storage fields. Would that be fair? 10 MR. NEIL KOSTICK: That's correct. 11 MR. BOB PETERS: And Centra can't make 12 a business case to develop storage fields on its own? MR. NEIL KOSTICK: Centra can 13 14 ultimately make a business case for it, which would either support moving forward with it or not, and that 15 would likely include the assistance of parties or consultants that have previously been involved in 17 18 storage development. 19 MR. BOB PETERS: Thank you for that. -- I meant by my question, sir, that presently there's 21 no business case that can be made to develop storage in Manitoba, whether Centra makes the business case or 22 23 some third party. It's just not available because it 24 doesn't appear to be economic. 25 MR. NEIL KOSTICK: Given the economic

- 1 terms agreed to for ANR storage, Manitoba storage would
- 2 appear to be a higher-cost option at this time.
- MR. BOB PETERS: When physically they -
- 4 you -- you think of Manitoba storage, Mr. Kostick,
- 5 are you thinking of underground storage in the western
- 6 part of the province, or in oil and gas fields, or --
- 7 or what does it physically look like?
- 8 MR. NEIL KOSTICK: It would most likely
- 9 be located in the southwest corner of the province. So
- 10 it would be in the vicinity of existing oil -- oil
- 11 production.
- 12 MR. BOB PETERS: One (1) of the
- 13 proposals I recall reading that Centra had on its list
- 14 but crossed off was virtual storage. Is that correct?
- MR. NEIL KOSTICK: Yes, that's correct.
- 16 MR. BOB PETERS: And virtual storage is
- 17 in fact no storage, but it's relying on a third party
- 18 to deliver the volumes if and when Centra needs them?
- MR. NEIL KOSTICK: Yes.
- 20 MR. BOB PETERS: And would this be
- 21 somewhat equivalent to engaging a company that's in the
- 22 market to make sure Centra has gas on a certain day
- 23 regardless of how that company aligns the storage or
- 24 where it gets it from?
- 25 MR. NEIL KOSTICK: It would basically

- 1 involve engaging with a gas marketer to essentially
- 2 provide a storage service at a point where there may
- 3 not be actual physical storage and for the service to
- 4 essentially mimic a storage service.
- 5 So it would be, indeed, a service where
- 6 another party would agree to provide volumes of gas
- 7 similar to deliveries from storage.
- 8 MR. BOB PETERS: Is it your
- 9 understanding, Mr. Kostick, that Mr. Stauft, in his
- 10 evidence, has been generally supportive in an agreement
- 11 with Centra to eliminate those storage options that
- 12 we've just talked about?
- MR. NEIL KOSTICK: That's what I
- 14 understand from his evidence, yes.
- MR. BOB PETERS: All right. We'll hear
- 16 from him. But then you were still left to consider
- 17 some eastern options, correct?
- MR. NEIL KOSTICK: Yes.
- 19 MR. BOB PETERS: And eastern options
- 20 mean not only Eastern Canada; it means Eastern United
- 21 States?
- MR. NEIL KOSTICK: Yes.
- 23 MR. BOB PETERS: And would I also be
- 24 correct that Centra is not inclined to disclose how
- 25 many of these eastern options are situated in Canada

209 and how many are situated in the States? 2 3 (BRIEF PAUSE) 5 MR. NEIL KOSTICK: As indicated in one (1) of IR responses, one (1) of the parties did present the option of being able to provide the storage service 7 in either Canadian units or US units. And I think we'll stick with that amount of information, with all 10 due respect. 11 MR. BOB PETERS: I -- I was just asking, Mr. Kostick. And from what you've told the 13 Board here and also at your technical conference, it's possible one can conclude that that -- that may have 15 been a Canadian party, as -- as far as you want to go? 16 MR. NEIL KOSTICK: It -- it could be a 17 Canadian party. 18 MR. BOB PETERS: All right. What you 19 did identify was that there were eastern options that had the most promise, and you found five (5) of them. 21 Is that right? 22 MR. NEIL KOSTICK: That's correct. 23 MR. BOB PETERS: And you sent out 24 requests for proposal to all five (5)? 25 MR. NEIL KOSTICK: We did not utilize a

- 1 request for a proposal process.
- MR. BOB PETERS: You picked up the
- 3 phone?
- 4 MR. NEIL KOSTICK: Essentially, yes.
- 5 The storage operators within various regions are fairly
- 6 well known. And Centra's confident that it
- 7 communicated with all potential storage operators that
- 8 could provide the required service for Centra in that
- 9 region.
- 10 MR. BOB PETERS: And from those, I'll
- 11 call them, introductory inquiries, your list of five
- 12 (5) was narrowed to a list of four (4)?
- MR. NEIL KOSTICK: Ultimately, yes.
- 14 MR. BOB PETERS: Was it li -- limited
- 15 to four (4) because one (1) of the parties had no
- 16 interest, or was it that Centra had no interest in that
- 17 party?
- 18 MR. NEIL KOSTICK: It was more a case
- 19 of that storage operator indicating that due to a lack
- 20 of sufficient capacity availability and also challenges
- 21 in connecting that storage capacity to regional
- 22 pipelines that could move the gas back to Manitoba, it
- 23 was acknowledged through our discussion with that party
- 24 that it wasn't really a viable option at this time.
- MR. BOB PETERS: And when you entered

- 1 into those discussions -- and I accept that it's not a
- 2 request for a proposal, but those direct discussions
- 3 with the four (4) or five (5) eastern storage operators
- 4 -- Centra would have requested some specific
- 5 confidential information from each of those storage
- 6 providers?
- 7 MR. NEIL KOSTICK: Yes, you could
- 8 characterize a lot of the information communicated to
- 9 us by those storage operators as being commercially
- 10 sensitive. A number of the storage operators offer
- 11 market-based rates which are not -- which are not
- 12 provided under a FERC tariff. So any rates they would
- 13 have provided to Centra would have been commercially
- 14 sensitive that they would not want shared in a public
- 15 forum.
- 16 MR. BOB PETERS: Just so the Board is
- 17 clear, Mr. Kostick and Ms. Stewart, under -- under
- 18 National Energy Board regulation of TransCanada
- 19 pipeline, the toll is the toll, as I
- 20 understand it, whereas, in the States, FERC sets a
- 21 maximum and maybe even a minimum toll and there's some
- 22 room for movement by the storage provider in between
- 23 those numbers.
- 24 MR. NEIL KOSTICK: That's correct.
- MR. BOB PETERS: And when Centra

- 1 determined that there were four (4) parties that
- 2 appeared most viable of the five (5) eastern options
- 3 that it had explored, that information wasn't shared
- 4 with any of the stakeholders, in terms of who the
- 5 parties were or how Centra had got it down to the four
- 6 (4) of them?
- 7 MR. NEIL KOSTICK: That's correct.
- 8 MR. BOB PETERS: And once Centra got it
- 9 down to four (4) of them, they started looking at the
- 10 dollars and cents of it more closely, and Centra was
- 11 able to eliminate what we'll call option C and option
- 12 D.
- 13 Would that be fair?
- 14 MR. NEIL KOSTICK: Yes, that's fair.
- 15 MR. BOB PETERS: Both of those were
- 16 more expensive than option B?
- 17 MR. NEIL KOSTICK: Yes.
- 18 MR. BOB PETERS: And what, I think, the
- 19 Board has been told today is that option B was just
- 20 about the same price as option A?
- 21 MR. NEIL KOSTICK: On a model basis,
- 22 yes. They were very close.
- 23 MR. BOB PETERS: And option A, the
- 24 company has disclosed, that's the preferred option, ANR
- 25 and Great Lakes Gas distribution?

213 MR. NEIL KOSTICK: Yes. 1 2 MR. BOB PETERS: The transmission. And, in addition to eliminating those options C and 'D', Centra leased software called SENDOUT to run model runs of that? 6 MR. NEIL KOSTICK: That's correct. MR. BOB PETERS: And does Centra 7 currently lease that? Is that an annual lease, or is that a -- is that something you purchased, or how --10 how was that understood by the Board? 11 MR. NEIL KOSTICK: It's an annual 12 lease. 13 MR. BOB PETERS: And I recall somewhere 14 in the materials, it's about twenty-eight thousand dollars (\$28,000) a year, plus there was five (5) or 15 16 six thousand dollars (\$6,000) of training costs? 17 MR. NEIL KOSTICK: Yes. 18 MR. BOB PETERS: Is it Centra's 19 intention to hang on to the SENDOUT model long term? 20 MR. NEIL KOSTICK: 21 MR. BOB PETERS: At least for the next 22 seven (7) years? 23 MR. NEIL KOSTICK: We think it will be 24 useful going forward, and we don't have a particular time frame on the number of years that we would

214 necessarily employ it in the event there are any other better tools out there ultimately. 3 MR. BOB PETERS: All right. This is another tool for Mr. Sanderson's tool box? Would you -- would you agree with me, Mr. Kostick, that the results from your SENDOUT computer model are taken by Centra to be directional only, as opposed to dispositive or absolutely providing certainty? 9 MR. NEIL KOSTICK: That's correct. We 10 view the model results as supporting the decision-11 making process. 12 13 (BRIEF PAUSE) 14 15 MR. BOB PETERS: Would it be fair to say, Mr. Kostick, that the results from SENDOUT are 16 17 such that Centra doesn't know that they are absolutely correct, but they are supportive of the decisions that 18 19 the Corporation is able to make through other considerations? 20 21 MR. NEIL KOSTICK: I think the best way to characterize it is that the SENDOUT model results 22 23 are input into the decision-making process as opposed to, for example, running the model after the fact just 24 to see if it supports a decision that was made. It is

- 1 part of the information that is used in the decision-
- 2 making process.
- 3 MR. BOB PETERS: And the other
- 4 considerations in that decision-making process include
- 5 what the -- your panel-mates have testified today, in
- 6 terms of things like reliability, flexibility, those
- 7 considerations?
- 8 MR. NEIL KOSTICK: Yes.
- 9 MR. BOB PETERS: Did any independent
- 10 party also run the SENDOUT model for Centra?
- MR. NEIL KOSTICK: No.
- 12 MR. BOB PETERS: Centra didn't ask the
- 13 vendor of the software or the landlord of the software,
- 14 before they leased it, whether they could run model out
- 15 -- outputs for Centra?
- 16 MR. NEIL KOSTICK: We worked with the
- 17 vendor on model setup and to ensure that the model was
- 18 working appropriately. But once we were confident that
- 19 the model was functional, there was not a further need
- 20 to involve the vendor when it was a matter of adjusting
- 21 variables within the model.
- 22 So the -- the vendor supported the setup
- 23 and functionalization of the model but did not, in
- 24 effect, run it for us.
- MR. BOB PETERS: We heard this morning

216 that a consulting firm called ICF also was engaged by Centra? 3 MR. NEIL KOSTICK: Yes, that's correct. MR. BOB PETERS: And from the Information Requests we know that ICF was approximately a quarter of a million dollars, in terms of their 7 assignment? MR. NEIL KOSTICK: Yes, that's correct. 9 10 MR. BOB PETERS: And their assignment was to provide Centra with some background information 11 about the natural gas market and also to come forward 13 with their own recommendations for an optimal 14 portfolio. 15 Would that be correct? 16 MR. NEIL KOSTICK: They indeed provided 17 natural gas market information, and they conducted an 18 analysis of their own related to the short-listed parties in order to provide a -- a second independent check, if you will, on the modelling that Centra 21 performed. MR. BOB PETERS: And their -- their 22 market information is found at Tab 4 of the book of document -- sorry, of the application. It's a hundred 24 and seventeen (117) pages in length and mercifully

- 1 wasn't included in the book of documents.
- 2 But that -- that was the summon -- that
- 3 was the bulk of the report provided, correct?
- 4 MR. NEIL KOSTICK: That was the largest
- 5 report out of the engagement.
- 6 MR. BOB PETERS: And when ICF was
- 7 engaged, Mr. Kostick, would it be correct to say that
- 8 Centra, at that point in time, hadn't planned on using
- 9 the SENDOUT model?
- 10 MR. NEIL KOSTICK: We had anticipated
- 11 using the SENDOUT model at that time.
- 12 MR. BOB PETERS: You -- so Centra knew
- 13 before it engaged ICF that it was going to use the
- 14 SENDOUT model?
- 15 MR. NEIL KOSTICK: We anticipated using
- 16 it, subject to ensuring that we were able to get the
- 17 model to the level of functionality that we needed,
- 18 that we felt very confident in the model results.
- 19 So that included the activities that
- 20 we've already discussed, where Centra worked with the
- 21 vendor and ensured that the model was working
- 22 appropriately at such time we had full confidence that
- 23 use of the SENDOUT model for our own modelling purposes
- 24 for portfolio decision-making would be appropriate.
- MR. BOB PETERS: ICF did not run the

- 1 SENDOUT model, did they?
- 2 MR. NEIL KOSTICK: No.
- 3 MR. BOB PETERS: Only Centra ran the
- 4 SENDOUT model?
- 5 MR. NEIL KOSTICK: That's correct.
- 6 MR. BOB PETERS: ICF has proprietary
- 7 models, I suppose, of their own that they would use?
- 8 MR. NEIL KOSTICK: Yes, they do.
- 9 MR. BOB PETERS: And one (1) of the
- 10 terms of this optional portfolio that we'll talk about
- 11 is the -- the seven (7) year duration, correct?
- MR. NEIL KOSTICK: Yes.
- MR. BOB PETERS: And that seven (7)
- 14 year duration didn't you -- or, the model that gave
- 15 rise to -- to Centra's determination didn't use seven
- 16 (7) year data, did it, price data?
- 17 MR. NEIL KOSTICK: With respect to gas
- 18 market price curves, it used a five (5) year series of
- 19 futures prices and a five (5) year series provided by
- 20 ICF.
- MR. BOB PETERS: It also used a one (1)
- 22 year series provided by both?
- 23 MR. NEIL KOSTICK: Yes. I quess to
- 24 clarify, a five (5) year series of futures and a five
- 25 (5) year series of ICF price forecasts were -- were

- 1 obtained. And it was determined that the use of years
- 2 1 and year 5 of those price curves would be sufficient
- 3 in looking at the nature of the variability between
- 4 years 1 to 5.
- 5 They essentially appeared to represent
- 6 appropriate bookends within the five (5) year price
- 7 series whereby years 1 and year 5 would provide
- 8 sufficient variability to test the -- the -- the
- 9 portfolio under those different price scenarios.
- 10 MR. BOB PETERS: Mr. Kostick, not
- 11 having used the SENDOUT model, would it be reasonable
- 12 to understand that if two (2) different parties used
- 13 the model seeking to come up with the same answer, that
- 14 they may -- that they may come up with different
- 15 answers?
- 16 MR. NEIL KOSTICK: The model results
- 17 are subject to whatever inputs are put into the model.
- 18 But assuming the same inputs are used, the model should
- 19 produce the same output.
- 20 MR. BOB PETERS: And in terms of the
- 21 inputs, that was something that Centra had to consider
- 22 as to what should be included, and you worked with the
- 23 vendor of the software to -- to figure out how to get
- 24 that information into the model?
- MR. NEIL KOSTICK: Yes.

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220
                   MR. BOB PETERS: Did the vendor of the
 1
   model tell you what inputs should be used?
 3
                   MR. NEIL KOSTICK:
                                       No.
 5
                          (BRIEF PAUSE)
 6
 7
                   MR. BOB PETERS:
                                     And just a point on
    clarification. We -- we also will talk about the 15
   1/2 petajoules of storage that's being proposed by
10
   Centra, and that incidentally is exactly the same as
   the storage currently held, correct?
11
12
                   MR. NEIL KOSTICK: That is correct.
13
                   MR. BOB PETERS: Would you agree that
14
   that's coincidental?
15
                   MR. NEIL KOSTICK:
                                       It's coincidental
16
    that in the year 1 and year 5 of the futures curves,
17
    that year 1 of the futures curves produce -- produced a
   best-fit storage capacity of 15.6 petajoules, and year
18
19
    5 of the futures curves produced a best-fit storage
    capacity of 15.4 petajoules.
21
                   So clearly the average between fifteen
   point six (15.6) and fifteen point four (15.4) is
22
23
    fifteen point five (15.5), recognizing that those two
24
    (2) numbers, fifteen point six (15.6) and fifteen point
    four (15.4), were both derived from twenty (20) years
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- 1 of weather.
- 2 So twenty (20) years of weather, using
- 3 year 1 of the futures curves, produced 15.6 petajoules
- 4 as optimal, and twenty (20) years of weather over year
- 5 5 of the futures curve produced 15.4 petajoules as the
- 6 best-fit capacity over the twenty (20) years of
- 7 weather. And obviously the average of those two (2)
- 8 results is 15.5 petajoules.
- 9 Using the ICF price forecasts, years 1
- 10 and years 5 produced, on average, slightly higher
- 11 storage capacity as an optimal result.
- 12 MR. BOB PETERS: Did the SENDOUT model
- 13 take into account the cyclability that the witnesses
- 14 have told the Board about?
- MR. NEIL KOSTICK: Yes, it did.
- 16 MR. BOB PETERS: And by that, there's
- 17 an extra 3.1 petajoules of capacity gained because the
- 18 storage contract was broken between annual and seasonal
- 19 storage?
- 20 MR. NEIL KOSTICK: It's not gained in
- 21 the sense that you have an additional 3.1 petajoules in
- 22 addition to the fifteen point five (15.5). You have to
- 23 first withdraw 3.1 petajoules in order to reinject
- 24 anoth -- another three point one (3.1), and then you
- 25 would be limited to ultimately withdrawing in the

- 1 course of any one (1) gas year a total of approximately
- 2 18.6 petajoules.
- MR. BOB PETERS: So Centra effectively
- 4 has 18.6 petajoules of storage even though its contract
- 5 says it has fifteen point five (15.5) that its paying
- 6 for.
- 7 MR. NEIL KOSTICK: In effect.
- 8 MR. BOB PETERS: So was that -- and
- 9 that cyclability was built into the -- into the SENDOUT
- 10 model?
- 11 MR. NEIL KOSTICK: That's correct.
- 12 MR. BOB PETERS: And so when the
- 13 SENDOUT model gives the fifteen point six (15.6) and
- 14 fifteen point four (15.4) numbers that you put on the
- 15 record a few minutes ago, Mr. Kostick, is that meaning
- 16 before or after considering the cyclability?
- 17 MR. NEIL KOSTICK: That would be after
- 18 adding the cyclability feature into the SENDOUT model.
- 19 So the model results that you're referring to that are
- 20 reported in Tab 7 of the application take into account
- 21 the annual storage that was negotiated with ANR at the
- 22 negotiated rates.
- 23 MR. BOB PETERS: Well, you don't
- 24 necessarily have to turn back to Tab 7 of the book of
- 25 documents, but you'll remember that chart with the --

- 1 the EKG of Mr. Meronek, the red lines, the green lines,
- 2 and the blue lines.
- 3 Nowhere on that chart is it shown that
- 4 you need 18.6 petajoules, is there?
- 5 MR. NEIL KOSTICK: No. Under the way
- 6 that the current portfolio is operated, that particular
- 7 ten (10) year of time frame does not indicate that 18.6
- 8 petajoules of storage is required, bearing in mind that
- 9 it is a different portfolio with a different set of
- 10 assumptions, as far as how it would be operated.
- 11 MR. BOB PETERS: The existing
- 12 arrangement that Centra has with ANR and Great Lakes
- 13 has no cyclability. Is that also correct?
- 14 MR. NEIL KOSTICK: You could say that's
- 15 correct, or you could say it has a cyclability of one
- 16 point zero (1.0), which means you can inject 15.5
- 17 petajoules and withdraw -- withdraw 15.5 petajoules.
- 18 MR. BOB PETERS: Okay. So the ratio of
- 19 one point zero (1.0), or I guess a hundred percent, of
- 20 15.5 is the maximum amount currently?
- MR. NEIL KOSTICK: Yes.
- MR. BOB PETERS: And when Ms. Stewart
- 23 told the Board earlier today about the ratchet problems
- 24 that she would have if she drew down -- if Ma -- if
- 25 Centra drew down storage below 20 percent, were those

224 ratchets also built into the SENDOUT model? 2 MR. NEIL KOSTICK: Yes, they were. 3 (BRIEF PAUSE) 5 6 MR. BOB PETERS: Now, Mr. Kostick, let's move quickly to Tab 15 of the book of documents. And what we show on Tab 15 is a chart dealing with Centra's seasonal average forecast of commodity unit 10 costs. That's another way of saying this is the forward price curves that Centra uses. 11 12 Is that correct? 13 MR. NEIL KOSTICK: Yes, these were the 14 forward price curves that were derived from futures 15 prices. MR. BOB PETERS: And what this chart 16 shows is that the gas in different locations is 17 18 forecast to be at different prices? 19 MR. NEIL KOSTICK: Yes, that's correct. 20 MR. BOB PETERS: And while this price 21 curve is for a five (5) year period, you say that 22 Centra used year 1 and year 5 as the bookends for the 23 prices in the -- in the model? 24 MR. NEIL KOSTICK: Yes, that's correct. 25 MR. BOB PETERS: And you ran those

- 1 against twenty (20) different weather scenarios?
- 2 MR. NEIL KOSTICK: Yes.
- 3 MR. BOB PETERS: That was twenty (20)
- 4 years of the past -- the past twenty (20) years of
- 5 actual weather?
- MR. NEIL KOSTICK: Yes.
- 7 MR. BOB PETERS: And at Tab 16 we see
- 8 the ICF price curves. This was also an input into the
- 9 model for -- for ICF's five (5) year forecast, correct?
- 10 MR. NEIL KOSTICK: Yes, that's correct.
- 11 MR. BOB PETERS: This isn't ba -- this
- 12 isn't a run of the futures prices. This is ICF's
- 13 proprietary forecast to Centra?
- 14 MR. NEIL KOSTICK: That's correct.
- 15 This is ICF's own forecast of natural gas prices.
- 16 MR. BOB PETERS: And what both of these
- 17 price curves do, Mr. Kostick, is they put into the
- 18 computer model the expected prices at the different
- 19 hubs at different times of the year?
- 20 MR. NEIL KOSTICK: Essentially, yes,
- 21 that's correct.
- 22 MR. BOB PETERS: One (1) of the -- and
- 23 one (1) of the clarifications that Centra had to make
- 24 was so that the computer didn't know with precision
- 25 what the price tomorrow was going to be with these

- 1 price curves, Centra put in some seasonal average
- 2 pricing?
- 3 MR. NEIL KOSTICK: Yes, that is
- 4 correct.
- 5 MR. BOB PETERS: And that takes away
- 6 what -- what, in computer modelling, is called "perfect
- 7 foresight"?
- 8 MR. NEIL KOSTICK: It doesn't
- 9 completely deal with the issue of perfect foresight,
- 10 but it avoids having the model make unique month-to-
- 11 month decisions based on its perfect foresight of pri -
- 12 different prices month to month. It made more sense,
- 13 to produce seasonal averages, to take away that -- that
- 14 element of the perfect foresight.
- 15 It, nonetheless, has perfect foresight
- 16 of weather, which of course, and LDC in reality does
- 17 not have.
- 18 MR. BOB PETERS: Correct me, Ms.
- 19 Stewart, if I'm wrong, but TransCanada doesn't use
- 20 forward market prices in its corporate gas price
- 21 forecast, does it?
- MS. LORI STEWART: No, it does not.
- MR. BOB PETERS: So why does Centra
- 24 feel it's appropriate to rely on forward market prices
- 25 in SENDOUT marketing when other forecasters are using

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227
   different measures?
2
3
                          (BRIEF PAUSE)
 5
                   MR. BRENT SANDERSON:
                                          Maybe I'll just
    jump in here and respond to that. It's a matter of
7
   opinion. I guess there is certain parties in the
   marketplace that will insist that they can generate a
   product that's superior to the prices reflected in
   futures markets. And those parties are typically
10
   parties with a product to sell, that being the price
11
12
   forecast itself.
13
                   History shows that, by far, the most
   stable and most accurate forecast over time most
14
15
   consistently is the futures market price, given that
16
    circumstances change and the information available to
   the market change. The forecasts are dynamic and
17
18
   change on a day-by-day basis.
19
                   As it relates to TransCanada's use of
    its own proprietary price forecast, given what Ms.
21
   Stewart just told us about where it's left them in --
   in terms of their rate case, it's -- it's clear that it
22
23
   wasn't -- it was less than correct. And they're in the
24
   position of having to continually update their
25
   assumptions. And their assumptions are converging with
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- 1 what future markets were telling us months or years
- 2 ago.
- MR. BOB PETERS: And does Centra think
- 4 its price forecast is any better than the one (1) that
- 5 ICF provides as well, by way of an opinion?
- 6 MR. BRENT SANDERSON: Not wanting to
- 7 take anything away from ICF, but they -- they sell a
- 8 product that purports to forecast prices on a daily
- 9 basis out a number of years. Given our experiences in
- 10 the marketplace over the past ten (10) years, that's
- 11 quite a hurdle to try and clear with any consistency.
- 12 And there's no evidence in the marketplace that anyone
- 13 has been successful in doing that over time.
- 14 MR. VINCE WARDEN: Mr. Peters, I might
- 15 just add, we have to be somewhat cautious with this
- 16 because Manitoba Hydro does rely on price forecasts
- 17 obtained from independent forecasters for purposes of
- 18 planning its future generation/transmission
- 19 requirements.
- 20 I know this is a gas hearing, but I -- I
- 21 don't want to suggest in any way that we don't use
- 22 those external forecasters for purp -- for many
- 23 purposes in our business. And a lot of big decisions
- 24 are made based on consensus foreca -- forecasts from
- 25 those independent forecasters.

229 1 So, yes, the forward price is -- is a good indicator and one (1) that's appropriate for us to use for certain circumstances. It's not the only one (1) we use. 5 MR. BOB PETERS: Mr. Warden, would it also be correct that even with those forecasts of various prices that you talked about that are used in 7 Centra's planning proce -- or, sorry, in Manitoba Hydro's planning processes, that there's also an overlay of, I'll call it "corporate judgment"? 10 11 MR. VINCE WARDEN: No. No, there isn't 12 actually. We -- we -- for purposes of -- of 13 forecasting future electricity and natural gas prices, 14 we maintain our independence. That is, we respect the consensus forecast of five (5) independent forecasters 15 that we engage for that very purpose, ICF being one (1) 17 of them. 18 MR. BOB PETERS: And then Centra -- or, 19 sorry, then Manitoba Hydro averages the five (5), Mr. Warden? Or does it truncate them? 21 MR. VINCE WARDEN: It -- it averages 22 the five (5), yes. 23 MR. BOB PETERS: Maybe we can talk

Probably a good

MR. VINCE WARDEN:

about that another day.

24

- 1 idea.
- MR. BOB PETERS: Okay. Let's turn to
- 3 Tab 18 of the book of documents and look at the
- 4 results, Mr. Kostick and Ms. Stewart. Does Tab 17 of
- 5 the book of documents found on page 61 -- it represents
- 6 the numerical output of the SENDOUT model?
- 7 MR. NEIL KOSTICK: That would be Tab
- 8 18? Yes, those are the SENDOUT model results.
- 9 MR. BOB PETERS: Yes, thank you for
- 10 correcting me. Tab 18, sorry. Page 61 of the book of
- 11 documents, it will contain a chart with numbers?
- MR. NEIL KOSTICK: Yes, it does.
- MR. BOB PETERS: And the left-hand part
- 14 of the chart deals with the future curves that compare
- 15 the fir -- the one (1) and the five (5) year of ANR,
- 16 which is your option A, to option B? Correct?
- MR. NEIL KOSTICK: Yes, that's correct.
- 18 MR. BOB PETERS: And the right-hand
- 19 side uses the price curves that come from ICF that
- 20 Centra ran through the SENDOUT model?
- MR. NEIL KOSTICK: Yes, that's correct.
- MR. BOB PETERS: These ICF curves give
- 23 results that are different from what ICF results were
- 24 when they ran their proprietary models. Is that
- 25 correct?

231 1 MR. NEIL KOSTICK: Yes. 2 MR. BOB PETERS: All right. And I just

- want the Board to be aware that if we go down to
- approximately the middle of the chart under "Storage" -
- well, first of all, this -- this -- all the numbers
- on here are what SENDOUT says is the optimum portfolio
- in terms of supply and storage and transportation, 7
- correct?
- 9 MR. NEIL KOSTICK: Yes, it's the best
- 10 fit portfolio over twenty (20) weather scenarios for a
- particular price curve. 11
- 12 MR. BOB PETERS: And will it tell you
- 13 where the supply should come from, for example?
- 14 MR. NEIL KOSTICK: Yes, that would be
- 15 in the lower third section of that chart.
- 16 MR. BOB PETERS: And what the lower
- third section is doing is really just coming up with 17
- 18 information that'll support what's on the top part of
- the -- of the chart that's quantified in dollars and
- cents? 20
- 21 MR. NEIL KOSTICK: Yes, it ultimately
- 22 drives out the costs reflected in the top third of the
- 23 chart and it reflects also the -- the storage and --
- the storage capacity and deliverability results in the 24
- middle third of the chart as well.

- 1 MR. BOB PETERS: All right. Let's
- 2 focus on the middle third then, Mr. Kostick, just to
- 3 come back to the answers you put on the record about
- 4 five (5) minutes ago. The capacity and petajoules when
- 5 Cent -- when Centra ran SENDOUT using case 1, which was
- 6 Centra's five (5) year -- sorry, which was Centra's one
- 7 (1) year futures price, it yielded a storage capacity
- 8 that would be optimum of 15.6 petajoules. Am I reading
- 9 that correctly?
- 10 MR. NEIL KOSTICK: Yes, you are.
- MR. BOB PETERS: And likewise, when
- 12 Centra ran SENDOUT using the five (5) year futures
- 13 prices, the SENDOUT model came back with an optimal
- 14 storage capacity of 15.4 petajoules?
- MR. NEIL KOSTICK: Yes, using the fifth
- 16 year of that price curve, the optimal storage capacity
- 17 over twenty (20) weather scenarios was 15.4 petajoules.
- 18 MR. BOB PETERS: And running it through
- 19 the information provided to Centra by proponent number
- 20 B -- or letter 'B', it came up with slightly different
- 21 optimum storage values, correct?
- MR. NEIL KOSTICK: Yes, that is
- 23 correct.
- 24 MR. BOB PETERS: And then on the right-
- 25 hand side of the page Centra ran its SENDOUT model

- 1 using the ICF assumed prices. And in fact was --
- 2 didn't ICF have -- I'm sorry, these are just their
- 3 price curves, right, that's --
- 4 MR. NEIL KOSTICK: These are just their
- 5 price curves that we utilized in the SENDOUT model.
- MR. BOB PETERS: Correct.
- 7 MR. NEIL KOSTICK: And then for storage
- 8 capacity they came up with different answers based --
- 9 or SENDOUT gives out different optimum capacities
- 10 ranging from 5.2 to 19.4 petajoules, depending on
- 11 whether you want to put weight on the year 1 futures
- 12 price or the year 5?
- 13 MR. NEIL KOSTICK: It gave -- for ANR
- 14 it gave 15.2 petajoules and 19.9 petajoules as the
- 15 optimum capacity over twenty (20) years of weather for
- 16 the particular price curve.
- 17 MR. BOB PETERS: Thank you. I believe
- 18 I misspoke on that number. And then lastly, if we
- 19 follow that capacity line over to the far right-hand
- 20 side, again, using the ICF price curves and running it
- 21 through the information provided by proponent B -- or
- 22 option B, the capacity came back at 13.9 petajoules
- 23 with the one (1) year data, and 16.5 petajoules for the
- 24 five (5) year price data?
- MR. NEIL KOSTICK: Yes, that's correct.

234 MR. BOB PETERS: All right. And now 1 that we can interpret that level, Mr. Kostick, one (1) of the other things that we see directly underneath 3 that is the deliverability line? 5 MR. NEIL KOSTICK: Yes, that's right. 6 MR. BOB PETERS: Deliverability, as I understood from Ms. Stewart's evidence is the amount or the capacity that can be taken out of storage on any particular day, at least up to -- for the top 80 10 percent of the storage capacity? 11 MR. NEIL KOSTICK: Yes, as long as you have at least -- in the case of ANR, as long as you have at least 20 percent inventory relative to the 14 total storage capacity you can take your contract 15 deliverability. 16 MR. BOB PETERS: Just on that point, 17 can you tell the Board whether proponent B also used 18 ratchets when their -- when -- when the volume of 19 storage was reduced? 20 MR. NEIL KOSTICK: Yes, vol -- option B 21 also had storage ratchets. 22 23 (BRIEF PAUSE) 24 25 MR. BOB PETERS: When we look at this

235 deliverability, Mr. Kostick, does it not appear to the Board that the deliverability that is recommended for an optimum portfolio is less than the deliverability 3 that's being embedded into the proposal by Centra? 5 MR. NEIL KOSTICK: With respect to the ANR results, the deliverability produced by the model results appears to be slightly less in the -- by in 7 some cases 1 or 2 or 3 terajoules per day, or say 1 to 3,000 gigajoules per day. 10 11 (BRIEF PAUSE) 12 13 MR. BOB PETERS: And based on the 14 deliverability, Mr. Kostick, that's really a function 15 of deciding how many days Centra will draw down on it's 16 storage? Or put another way, how many days does Centra 17 want to be able to withdraw before it depletes its 18 storage. 19 MR. NEIL KOSTICK: It's really a function of how big is Centra's winter swing 21 requirement. Storage deliverability is the primary 22 means by which Centra responds to weather-driven load 23 volatility, and the storage deliverability accounts for a very large portion of being able to serve that. 24 25 It's -- it's really a function of -- of

- 1 serving the load in a cost-effective way and also
- 2 making sure that you can actually successfully nominate
- 3 gas at, for example, the intra-day two (2) cycle or the
- 4 late night nomination cycle for the last four (4) hours
- 5 of the gas day. So there are a couple of aspects to,
- 6 in Centra's case, determining the optimal storage
- 7 deliverability.
- 8 MR. BOB PETERS: Am I correct that ICF
- 9 was suggesting that a -- a shorter withdrawal window
- 10 would provide a cheaper arrangement to Centra? That
- 11 is, maybe a fifty-one (51) day withdrawal ability as
- 12 opposed to seventy (70) or seventy-one (71) days?
- 13 MR. NEIL KOSTICK: I believe their
- 14 report identified that "lower days of service," as its
- 15 referred to -- when you take the storage capacity
- 16 divided by the daily deliverability, that there was a
- 17 small price advantage in their model results for a
- 18 fifty (50) day service relative to a seventy (70) day
- 19 service.
- 20 MR. BOB PETERS: But Centra disagrees
- 21 with that because it's going to be saving balancing
- 22 fees?
- 23 MR. NEIL KOSTICK: It's not necessarily
- 24 a matter of disagreeing, it's taking into account the
- 25 different modelling approaches taken by Centra versus

- 1 ICF.
- 2 ICF's modelling approach took into
- 3 account daily price volatility, and the ability under -
- 4 under a storage service that has the greater ability
- 5 to more quickly deplete storage that that storage facil
- 6 -- or that storage option could take greater advantage
- 7 of day-to-day volatility and gas prices by depleting
- 8 storage quickly and filling it back up again.
- 9 So a higher deliverability relative to
- 10 the total storage capacity was found to have a very
- 11 slight advantage in the ICF model, taking into account
- 12 the model's perfect foresight, which Centra sought to
- 13 invoid -- avoid in the SENDOUT model results, as we've
- 14 talked about, to minimize the impact of the models
- 15 perfect foresight.
- 16 MR. BOB PETERS: Mr. Chairman, I'm
- 17 proposing to move to a different topic that would take
- 18 more than five (5) minutes to conclude. And I wondered
- 19 in light of the hour whether this would be an
- 20 appropriate time to adjourn for the day and reconvene
- 21 tomorrow morning at 9:30?
- 22 MR. RAYMOND LAFOND: If I can ask a
- 23 question maybe before. Or -- or a couple. One (1) of
- 24 the things that has never been discussed in -- in the
- 25 materials that I have read, at least, and -- and

- 1 hearing today is a forecast and demand we're alwing --
- 2 always looking at the weather patterns of the past and
- 3 past consumption, et cetera.
- 4 But with lower gas prices are we not
- 5 also considering the potential of customers using more,
- 6 or more customers coming -- changing their -- their
- 7 source of energy and moving to natural gas?
- 8 MR. BRENT SANDERSON: I'd like to
- 9 respond to that if I may. While we always would design
- 10 a portfolio that would allow us to accommodate
- 11 additional unexpected demand in our system, we're what
- 12 would be characterized, from a forecasting perspective,
- 13 as a mature market here in Manitoba, such that any
- 14 likely increases in demand are likely to be equally if
- 15 not more than offset with increases in the efficiency
- 16 in the way in which natural gas is used in Manitoba.
- 17 So our -- all things being equal, our
- 18 planning assumption is for very slightly declining load
- 19 over time, a very small marginal net decline. We're --
- 20 we plan to be adding customers each and every year in
- 21 all the various classes. That's all part of our
- 22 assumptions in our forecast. There's some econometric
- 23 modelling involved. Our larger volume industrial and
- 24 commercial customers, we look at each one (1) of those
- 25 customers' business situation individually, and their

- 1 plans, for example, for adding shifts served, doubling
- 2 their production capacity.
- 3 But for -- the expectation would be is
- 4 that we have a quite stable market demand here. And
- 5 the -- the single biggest factor affecting the load
- 6 that we have to serve would be weather and spacing
- 7 requirements.
- 8 MR. RAYMOND LAFOND: Thank you. When -
- 9 sorry. My next question was in regards to a comment
- 10 made by Mr. Warden this morning in terms of the
- 11 returned earnings moving from \$34 million to a negative
- 12 position based on IFRS.
- 13 What would be the one (1) or two (2) or
- 14 three (3) main factors why this would occur? What
- 15 would be so different under one (1) scenario or the
- 16 other?
- 17 MR. VINCE WARDEN: Yes, under the --
- 18 the current environment we do have, within both Centra
- 19 Gas and Manitoba Hydro, what we call "regulated assets"
- 20 and "regulated li -- liabilities." Under IFRS,
- 21 regulated assets and -- and liabilities are not
- 22 recognized at this time. We recently got a one (1)
- 23 year deferral in terms of implementing IFRS. And this
- 24 issue is still under review by the International
- 25 Standards Board. We are hopeful that they'll

240 ultimately recognize regulated assets and liabilities, but it may very well be in a different form from what it is today. 3 The -- the largest single cost, or at least regulated asset, that we have today that would put our retained earnings into a negative position on 7 the gas side of the business is our Power Smart programs. So we've been capitalizing our Power Smart programs and amortizing those over ten (10) years. 10 Under IFRS, those Power Smart programs are not eligible 11 for capitalization. We would have to write those off 12 to retained earnings. 13 MR. RAYMOND LAFOND: Thank you. 14 THE CHAIRPERSON: Appropriate time to 15 adjourn. So let's adjourn immediately and resume the 16 proceedings tomorrow morning at 9:30. Thank you all. 17 18 (PANEL RETIRES) 19 --- Upon adjourning at 4:32 p.m. 21 22 Certified Correct, 23 24 25 Ms. Cheryl Lavigne

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\$	<b>\$600</b> 26:21	168:12	<b>10</b> 27:15	171:8
\$1.02 193:8		169:11	51:12	177:9
	<b>\$7</b> 27:11	171 <b>:</b> 7	66:14 86:7	192:21
<b>\$1.06</b> 193:9	53:10 174:2	178:8,14	104:6	197:20
<b>\$1.40</b> 58:2	1/4.2	185:7	145:22	<b>1-2</b> 5:15
<b>\$10</b> 53:12		186:14	146:19	18:19,23
174:3	0	187:7,21	148:13	<b>1-22</b> 5:7
<b>\$12</b> 104:6	<b>04</b> 155:9	189:4,18 190:22	173:8	17:23 18:
	<b>06</b> 155:13	190:22	175:15,22 177:22,25	
<b>\$14</b> 29:19	<b>07</b> 147:24	202:1	180:3,8,24	<b>13</b> 69:9 72
73:16,21	185:16	205:14	181:4,22	173:11
81:3 91:11 102:23	<b>09</b> 185:17	207:12	182:5	174:3
174:4	09 103:17	209:6	183:10	<b>13.9</b> 233:2:
		210:15	188:13	<b>13th</b> 57:22
\$14,049,344	1	218:9,21	223:7	14
72:4 89:22	<b>1</b> 1:24 6:3	219:2,4,7	228:10	4:11,15,2
\$140,000	14:1 16:20	220:16,17	240:9	32:12
72:25	17:15,16	221:3,9	10,000	65:25 66:
\$150,000	21:20 23:25	222:1	196:16	72:7,8
73:11	31:16	224:22 225:22,23	<b>10:52</b> 66:18	74:3
<b>\$17</b> 29:23	35:24	228:4		173:11
	36:24 51:5	229:2,4,16	<b>100</b> 73:1	<b>15</b> 4:21
<b>\$2.24</b> 194:23	58:6 <b>,</b> 7	230:15	95:16,17 106:10	32:16
<b>\$2.50</b> 53:8	61:16 63:2	232:5,7	143:2	38:14 39
\$28,000	70:12	233:11,23	189:21	40:5 45:2
213:15	71:17	234:2	190:3	51:7
	72:25	235:8		86:6,13,2
\$280,000	73:10 76:1	237:23	<b>11</b> 9:3,21 60:21	133:4
38:21	78:16	238:24	71:10	145:11
<b>\$3</b> 25:3 30:2	82:2,5 83:12 85:1	239:13,15, 22	175:13,17	148:14
32:13	94:22 97:7		176:22	149:5,8 155:1
104:2,4,23	102:10	1.0	177:21	185:12
112:24,25	105:1,2	223:16,19	181:2,23	220:8
<b>\$3.40</b> 173:20	112:5	<b>1.4</b> 32:20	189:3	224:7,8
<b>\$300</b> 26:21	114:18	<b>1/2</b> 32:16	193:15	<b>15.2</b> 233:14
	117:3	38:14 39:2	<b>11:00</b> 66:15	
<b>\$34</b> 27:18 239:11	120:16,21	40:5 45:2	<b>11:02</b> 66:19	15.4
	127:16,20	86:6,13,24		220:20,22
<b>\$4</b> 176:6,11	130:18 131:5	133:4	<b>11:59</b> 111:19	25 221:5 222:14
<b>\$5</b> 113:2	133:25	145:11	<b>110</b> 139:14	232:14,1
<b>\$50</b> 190:4	136:1	148:15	200:25	
	145:16	149:5,8	110,000	15.5
<b>\$590</b> 26:19	151:1	155:9,19 220:9	117:22	29:10,11
<b>\$6</b> 27:14	153:19		139:16,19	38:3 44:1 220:23
104:20	157:24	<b>1/3</b> 193:22	<b>117</b> 216:25	220:23
112:9	159:15	<b>1:25</b> 111:15		222:5
\$6,000	163:22	<b>1:27</b> 111:20	<b>12</b> 13:3	223:16,1
213:16	165:20,22	<b>1.2</b> , 111,20	141:14,16	20
	166:19		165:9	

Centra Gas Mai	nii cosa i i ani	s. a rolliolic	2 11 P P = •	rage 242 Or
306				
15.6	30:6	10:5 24:6	2010/11	60:4 72:12
220:18,22,		32:5 37:10	158:12	77:19
24 221:3	<b>1st</b> 4:13	38:10,24	165:6	78:16
222:13	5:9,16	39:4,5		80:12,18,2
232:8	7:11 14:16	44:22	<b>2011</b> 4:5	2 121:12
	18:3,24	51:13 59:2	27:9 58:1	195:3
<b>157</b> 6:13	29:20	75:10	60:14	196:3,5
<b>15th</b> 63:4	72:12	77:11	61:7,16	197:7
162:11	77:18	88:1,20	63:4,11	198:20,22
	80:22 84:7	89:10	131:9	199:8
<b>16</b> 225:7	158:23	126:20,22	165:8	
<b>16.5</b> 233:23	186:18	129:4	192:25	2013/14
	201:4,20	148:24	194:7,19	165:15,18
<b>17</b> 5:6 32:12		151:18,25	199:1,19	<b>2020</b> 58:7
185:12	2	152:13	<b>2011/12</b> 8:8	77:22
230:4	<b>2</b> 6:8 14:2	153:4		
<b>17.6</b> 38:16	16:22	220:25	2011/'12	208,591
17-E	10:22	220:25	83:16	153:12
	18:7,18	223:25	<b>2012</b> 1:23	<b>210</b> 53:4
156:12,14	24:13	225:25	4:11,23	
157:1	31:16	231:10	7:11 8:21	217,764
18			9:3 14:8	29:13
5:11,14,19	35:7,21,23	232:17	27:2,12,18	<b>21st</b> 53:11
48:15	38:12,15	233:15	28:23	173:25
230:3,8,10	39:15	234:13	57 <b>:</b> 24	00 0 0
<b>18.6</b> 222:2,4	40:16	<b>20,000</b> 201:5	70:13	<b>22</b> 3:9
· ·	74:22	<b>20/20</b> 148:18	77:25 78:2	200:21
223:4,7	76:1,11		112:8	<b>22nd</b> 16:23
<b>18th</b> 65:6	79:25 99:25	<b>200</b> 27:3	127:19	<b>23</b> 4:23
<b>19</b> 106:18		2005/'06	144:22	176:19
	107:1	6:12 155:7	147:17,25	170:19
<b>19.4</b> 233:10	114:7	157:1,10	154:18	1//:1
<b>19.9</b> 233:14	131:10		186:18	237,388
	133:25	2005/2006	194:12,22	152:23
<b>197</b> 6:23	141:18	155:12	197:21	<b>23rd</b> 8:21
<b>1980s</b> 106:3	152:19	<b>2006</b> 6:10	198:22,24	16:21 65:5
	156:5	147:16,24	199:5,18	
<b>1991</b> 105:24	157:4	154:4	200:7	<b>24</b> 16:12
106:19,23	165:16	156:25	201:4	131:12
<b>1992</b> 10:4	166:21	157:7	202:15	<b>240</b> 1:24
<b>1993</b> 29:23	178:13			3:20
88:6	184:21	<b>2007</b> 193:5	2012/13	
105:19	199:3	194:3	165:17	243,000
105:19	200:17	<b>2009</b> 115:18	201:10	26:16
ŕ	202:3	136:25	2012/'13	<b>25</b> 1:23 3:17
1995/'96	219:12	<b>2010</b> 58:3	55 <b>:</b> 7	33:5
147:9	220:24	59:24 60:1		<b>25,000</b> 26:17
148:21	221:7	115:19	2012/2013	
149:4,19	235:8	136:25	199:2	<b>26</b> 4:5,11
<b>1996</b> 157:24	236:3	147:25	<b>2013</b> 6:16	14:8
158:23	239:13	147:25 176:22	8:5 29:20	268,000
	<b>2:00</b> 143 <b>:</b> 16	176:22	30:4 33:25	26:12
<b>1999</b> 28:10	20 3·8 8·/	194:/	58:7 <b>,</b> 17	20.12
	<b>20</b> 3:8 8:4		30:/,1/	

06			2 1-10-10-1	1090 110 01
<b>27</b> 133:15,16	202:15	<b>5</b> 3:4 12:12	154:19,25	<b>7,000</b> 33:1
138:12		17:3 51:8		
152:24	<b>31st</b> 8:5	62:11 92:5	<b>60</b> 87:1	<b>7.4</b> 32:18
<b>27th</b> 61:6	27:2,9,12, 18 28:23	106:4	<b>61</b> 230:5,10	156:1
	30:4 33:25	131:8	<b>6-1</b> 4:16	<b>70</b> 236:12,1
<b>28th</b> 70:12	60:3	148:21		<b>71</b> 236:12
<b>29th</b> 63:11		173:17,21	<b>6-16</b> 4:16	
195:19,25	<b>328</b> 27:1	182:5	14:21,25	
<b>2nd</b> 63:12	<b>330</b> 1:21	199:14	<b>65</b> 9:21	8
2110 03.12	<b>36</b> 158:10	209:20,24	60:21	<b>8</b> 23:19,24 24:13,20
	165:5	210:12	71:10	24:13,20 25:1 70:1
3	166:7,22	211:3 212:2	189:3	75:6,17,1
<b>3</b> 6:14 14:3	<b>37</b> 165:12	213:15	<b>65/11</b> 8:7,13	157:18
16:25 17:1	166:14	218:18,19,	66:1	158:11
24:20 27:1	167:7	24,25	71:12,17	165:6
48:16 62:13	168:12	219:2,4,6,	104:25	<b>80</b> 234:9
62:13 75:8,11		7	<b>67</b> 3:18	
113:1	<b>38</b> 157:25	220:16,19	<b>68</b> 197 <b>:</b> 23	<b>8th</b> 61:15
141:22		221:5,10	199:6	
167:19,22	4	224:21,22		9
197:4	<b>4</b> 3:3 7:8	225:9	<b>68.02</b> 195:1	<b>9</b> 171:6
235:8	9:10 22:13	229:15,19,	<b>69</b> 197:22	172:23
239:14	25:1 34:17	22 230:15	198:15	9:00
<b>3,000</b> 235:9	38:7	232:4,6,12	199:6	141:13,17
	52:12,13	233:12,24 237:18		
<b>3.1</b> 55:17	59:22		7	9:30 7:1
151:19	63:12 124:12	<b>5.2</b> 233:10	7 10:6 15:8	237:21 240:16
221:17,21, 23,24	154:5,25	5:00	17:18	
	155:9,19	141:12,25	29:20 36:2	<b>90</b> 29:22
<b>3.22</b> 188:18	210:12,15	<b>50</b> 40:12	38:6	177:8
<b>3:00</b> 141:25	211:3	93:3,4	46:3,8,9,1	90,000
<b>3:08</b> 188:17	212:1,6,9	163:8	8 47:2	200:25
	216:23	190:5	70:21	<b>91</b> 26:16
<b>30</b> 58:18	236:4	236:18	72:12 74:1	
98:9 106:8	<b>4:32</b> 240:20	<b>51</b> 236:11	75 <b>:</b> 10	<b>93</b> 88:11
163:7 199:19	400 1.01		77:17 78:9,22	95/'96
200:3,8,11	<b>400</b> 1:21	<b>5-1</b> 14:11	79:6,11,15	148:12
,16	<b>41</b> 183:10	<b>5-24</b> 4:12	90:2	<b>97</b> 6:7
	<b>48</b> 53:2	14:11,15	127:15	<b>98</b> 177:3
<b>30th</b> 118:10	<b>481.3</b> 158:18	<b>54</b> 171:8	130:3	
<b>31</b> 77:22,25			144:13	
78 <b>:</b> 2	<b>49</b> 13:2	<b>55</b> 86:23,24	146:19	A
80:12,18	<b>49/12</b> 4:10	89:9	148:14	a.m 7:1
	9:5 14:5,7		154:2	66:18,19
83:13	J.J 14.J, /		172:24	111:19
112:8		6		1 1 1 1 0 0 -
112:8 121:12	<b>4th</b> 13:5	<b>6</b> 3:6 27:15	213:22	•
112:8 121:12 144:15,20		6 3:6 27:15 133:14	213:22 218:11,13,	abandon
112:8 121:12	<b>4th</b> 13:5	<b>6</b> 3:6 27:15	213:22	141:18,25 <b>abandon</b> 47:12

abbreviation s 10:11 16:13,18 ability 36:17,20	110:13 205:25 214:8,17 cc 91:8 ccept 72:4 102:9 165:10	according 200:8 accordingly 40:25 account 6:19	210:23  acquire 24:16,18 30:7 42:13	225:5 <b>actually</b> 27:22 62:5
abbreviated 11:4 140:9 abbreviation s 10:11 16:13,18 ability 36:17,20 42:5,24 a	205:25 214:8,17 <b>cc</b> 91:8 <b>ccept</b> 72:4 102:9 165:10	200:8  accordingly 40:25  account 6:19	acquire 24:16,18 30:7 42:13	<b>actually</b> 27:22 62:5
11:4 140:9  abbreviation s 10:11 16:13,18  ability 36:17,20 42:5,24 a	214:8,17 cc 91:8 ccept 72:4 102:9 165:10	accordingly 40:25 account 6:19	24:16,18 30:7 42:13	27:22 62:5
11:4 140:9  abbreviation s 10:11 16:13,18  ability 36:17,20 42:5,24 a	cc 91:8 ccept 72:4 102:9 165:10	40:25 account 6:19	24:16,18 30:7 42:13	27:22 62:5
abbreviation s 10:11 16:13,18 ability 36:17,20 42:5,24	ccept 72:4 102:9 165:10	40:25 account 6:19	30:7 42:13	
abbreviation s 10:11 a 16:13,18 ability 36:17,20 42:5,24 a	ccept 72:4 102:9 165:10	account 6:19		68 <b>:</b> 12
16:13,18  ability 36:17,20 42:5,24  a	102:9 165:10		55 <b>:</b> 24	76:25
ability 36:17,20 42:5,24 a	165:10	20 04		98:13
36:17,20 42:5,24 <b>a</b>		38:24	acquired	99:23
36:17,20 42:5,24 <b>a</b>		44:22	30:6	106:19
42:5,24 a	211:1	183:3	acquisition	116:1
*	cceptable	184:22	26:10 28:9	128:2
43:19	68:5,7,17	196:7	47:24	129:14
44:9,21	69:12 71:4	197:10	105:19,25	132:16
45:5 53:25	196:10	199:13	2000000	134:19
55:12,16	ccepting	221:13	<b>acronym</b> 171 <b>:</b> 17	136:21
122:20	79:16	222:20	1/1:1/	138:20
141:20		236:24	acronyms	153:11
161:21 <b>a</b>	ccess 29:14	237:3,11	10:10	154:20
176:5	32:8 35:1	accounting	16:17	165:11,15,
236:11	37:1 41:19	7:22	across 11:4	17 175:3
237:3,4	42:12	accounts	56:8 73:25	179:8,9
<b>able</b> 33:14	44:13	83:3	138:22	180:3
36:6 65:11	45:22	235:23	172:20	229:12
80:21	46:10		182:9	236:2
83:25	48:13 59:7	accrue		actuals
87:20	105:25	187:10	<b>act</b> 174:16	85:17
92:17,21	119:10	accumulated	acting 7:17	
93:20,24	141:5	186:5	20:17	<b>adapt</b> 59:6
95:20	169:20		120:23	<b>add</b> 46:21
100:6	176:5	accuracy	Action 62:11	72:24
104:19 <b>a</b>	ccessed	1/0:11		100:13
106:16	34:4	accurate	actions	228:15
125:11 <b>,</b> 25	ccessing	170:9	107:11,12	<b>added</b> 60:22
127:7,17,2	56:12	175:9	active 11:8	
5 128:5		227:14	activities	adding
141:24 a	ccident	accurately	80:17	222:18
148:4	124:11	178:10	95:22	238:20
	ccommodate	achievable	217:19	239:1
162:25	37:24 40:8	200:16		addition
180:7,12,1	115:19		activity	32:25 51:9
3 182:22	116:18	achieve	187:11	52:20 62:8
186:21	238:10	48:10	<b>actual</b> 73:24	63:5 81:1
209:7	ccommodated	51:11 52:9	83:5	84:16
212:11	117:24	54:1 113:6	104:14,20	97:16
214:19		achieved	115:25	213:3
	ccommodatio	100:21	158:25	221:22
235:17,24	<b>n</b> 36:13	102:17	174:15	additional
absence a	ccomplish	200:13	179:5	55 <b>:</b> 17
100:4	37:14 98:2	acknowledge	180:4	60:22
absolutely a	ccomplished	108:16	181:24	70:23
47:21	33:7		194:1	119:11
101:24	33.	acknowledged	208:3	138:6

encia Gas Ma	III CODA II alis	s. a folcionic	APPI.	rage 240 Or
06				
202:6	<b>adopt</b> 30:19	171:11,14,	agreeing	141:1
221:21		16,17,18,2	7:16	161:18
238:11	adoption	4 172:5		
	65 <b>:</b> 20	173:1	agreement	already
Additionally	advance	177:11,15	21:8 31:20	10:23
55:22	13:20	182:23	128:16	16:21
address 9:10	37:23 66:7	183:12,21	148:24	17:18
10:19	128:15	185:10	208:10	43:16
16:10	141:24	186:12,23	<b>ahead</b> 200:20	59:19
17:19	201:4,19	187:6	202:10	91:11
69:10	201:4,19		202.10	105:11,12
106:16	202:13	205:5	alarming	117:24
100:10	advanced	AECO-priced	43:7	140:9
addressed	52:12	187:3	albeit	196:17
190:23	advancement		144:14	204:3
addressing	89:1	affecting		217:20
_	89:1	170:23	189:13	
79:22	advancing	239:5	Alberta	<b>alter</b> 78:25
adhered	60:5 64:4	affidavit	24:25	alternate
170:1		4:7 14:3,4	51:23	159:14,18
	advantage		81:20	25
adjacent	36:1 40:1	affiliated	160:20	-
50:12	55:14 89:3	76:12	171:15,17,	alternative
adjourn	100:20	affiliation	19	37 <b>:</b> 2
111:14	184:10	76:16	172:9,12,1	47:8,15
237:20	236:17		4 205:4	164:22
240:15	237:6,11	afforded	4 200.4	alternative
	advantageous	63:1	alerted	8:10 9:24
adjourning	127:20	afternoon	154:18	31:19
240:20	130:10	111:22	aligned	60:10
adjourns	182:22	112:1	189:6	
13:6	102;22	188:12	109:0	106:14
	advantages	100:12	aligns	127:2,5
adjust	130:18	against	207:23	192:2,7,8
47:24,25	<b>advice</b> 109:9	44:24	alleviation	alwing 238:
55:23		114:11		_
141:1	195:16	225:1	117:10	<b>am</b> 49:6
142:3	199:24		120:5	59:14
adjusting	advise 7:22	<b>age</b> 67:4,7	<b>allow</b> 12:9	67:10
215:20	13:13 69:1	aggregate	24:7,10,16	69:16
213:20	99:17	39:24	,18 44:17	76:13
adjustment	1 . 1	48:10 88:2	55 <b>:</b> 19	98:12
170:12	advised 8:9		56:15	111:11
199:13	75 <b>:</b> 2	<b>ago</b> 8:4 61:7	117:14	117:8
	202:23	84:16	142:17	232:8
adjustments				
05 17		87:11	143.21	236:8
85:17	advising	89:11	143:21 185:20	
85:17 143:4	<b>advising</b> 200:12,13	89:11 136:16	185:20	amenable
	advising 200:12,13 advisor	89:11 136:16 203:11	185:20 238:10	<b>amenable</b> 128:16,19
143:4 administrati	advising 200:12,13 advisor 7:20,22	89:11 136:16	185:20	amenable 128:16,19 156:18
143:4  administrati on 23:2	advising 200:12,13 advisor	89:11 136:16 203:11	185:20 238:10	<b>amenable</b> 128:16,19
143:4 administrati on 23:2 49:7	advising 200:12,13 advisor 7:20,22 9:17	89:11 136:16 203:11 222:15	185:20 238:10 <b>allowed</b>	amenable 128:16,19 156:18
143:4  administrati on 23:2 49:7  admittedly	advising 200:12,13 advisor 7:20,22 9:17 advisors	89:11 136:16 203:11 222:15 228:2 232:4	185:20 238:10 <b>allowed</b> 34:18,25 149:8	amenable 128:16,19 156:18 195:25
143:4 administrati on 23:2 49:7	advising 200:12,13 advisor 7:20,22 9:17	89:11 136:16 203:11 222:15 228:2	185:20 238:10 <b>allowed</b> 34:18,25	amenable 128:16,19 156:18 195:25 America

Centra Gas Ma	nitoba - Trans	s. α POILIOIIC	Appi.	Page 246 OI
306				
60:9 61:18	ancillary	89:23	anticipate	47:7
170:21	183:6	93:22	22:23	138:12
171:5		94:24 96:6	43:25	235:7
182:9	anecdotal	122:2,17		255.7
	185:20	123:9,25	anticipated	appetite
American	announcement	· ·	63:19	41:3
48:24 50:4	57:19	124:2,8,19	159:17	application
56:6,8	57.19	125:22,24	217:10,15	1:7 4:3,23
57 <b>:</b> 25	announcement	126:19	anticipating	
138:15	<b>s</b> 53:2	127:8	115:21	9:16 16:20
165:2	annual 10:2	128:3,15	115:21	
44 22		130:18,22	anticipation	20:13,19
among 44:23	26:20	132:5	34:1	26:3,7
47:24	32:11,18,2	135:20	3-4 FO F	28:15,20
187:21	1 33:5	140:6	Antrim 52:5	30:21,25
amongst	38:19,20	141:9	anybody	31:6 36:3
53:23	45:14	145:19	206:8	38:7 49:13
	49:16	153:5,13		52:9 55:3
amortizing	54:20	161:17	anyone	57:21
240:9	55:15 58:3	207:1	228:12	58:16,19
amount 24:8	86:14	212:24	anyone's	59:16,17,2
28:5 43:23	92:19,25	222:21	175:23	3
72:9 73:16	96:5	223:12	181:7	65:3,5,17
88:7 103:1	104:2,4	230:15		66:8
113:5,6	107:10	233:13	anything	71:9,13
140:3,16	146:15	234:12	129:4	74:8,22
142:25	158:11	235:6	228:7	81:2,16
151:21	178:9		Apache 53:6	83:8
	213:8,11	<b>ANR's</b> 36:17	_	84:6,9
161:2,5	221:18	69:25	Apache's	85:15,20
162:20	222:21	answer 10:14	53:1	92:5
164:15		21:18	<b>apart</b> 35:24	101:19
209:9	annually	25:20	_	103:15,24
223:20	46:22	68:12 <b>,</b> 25	apologize	120:1
234:7	55:18		67 <b>:</b> 14	128:17
amounting	<b>anoth</b> 221:24	69:3 79:5	180:10,22	
48:16	4110 C11 221,24	83:22 99:2	200:4	176:22
10.10	<b>ANR</b> 8:25	102:1	apparently	199:21
amounts	17:17	112:19,20		200:15
38:20	23:20 24:2	116:4	20:5	216:24
105:3	29:9 30:12	130:1	122:14	222:20
109:17	31:5,21	133:24	190:17	application
150:8	33:11,20,2	147:6	<b>appear</b> 58:17	70:7
153:6	3 35:25	149:21	148:18	
169:17	36:8,11,15	177:13	206:24	applied
1	<b>,</b> 19	180:22	207:2	51:13
analogy	38:12,19,2	187:16	235:1	<b>apply</b> 43:12
129:16,18	5 39:25	204:13		91:10
analysis	46:3,25	219:13	APPEARANCES	130:2
35:4,6	47:16 48:6		2:1	187:16
39:11 49:7	59:1 74:25	answers 68:3	appeared	10/:10
96:3		84:16	212:2	applying
108:17	76:1,5,7	219:15	219:5	26:3 28:1
216:18	77:12 81:2	232:3	419:0	29:7
/   h *   ×	84:17	233:8		

306  appointed 7:11  appreciate 78:5 105:8 112:10 189:24  appreciated 17:14  appro 112:23  approach	84:2 85:13 90:20 105:4 107:9 108:5,13 approvals 59:19	65:6 72:12 77:18 78:16 80:22 131:8,22 165:20 ar 22:2	29:18,22 31:8 33:24 34:5 45:20 46:4,7 47:17,22	assets 26:19 40:24 54:12,18 56:24 57:1 87:19
7:11  appreciate 78:5 105:8 112:10 189:24  appreciated 17:14 appro 112:23	90:20 105:4 107:9 108:5,13 approvals 59:19	77:18 78:16 80:22 131:8,22 165:20	31:8 33:24 34:5 45:20 46:4,7 47:17,22	40:24 54:12,18 56:24 57:1
7:11  appreciate 78:5 105:8 112:10 189:24  appreciated 17:14 appro 112:23	90:20 105:4 107:9 108:5,13 approvals 59:19	77:18 78:16 80:22 131:8,22 165:20	31:8 33:24 34:5 45:20 46:4,7 47:17,22	40:24 54:12,18 56:24 57:1
appreciate 78:5 105:8 112:10 189:24 appreciated 17:14 appro 112:23	105:4 107:9 108:5,13 approvals 59:19	78:16 80:22 131:8,22 165:20	34:5 45:20 46:4,7 47:17,22	54:12,18 56:24 57:1
78:5 105:8 112:10 189:24 appreciated 17:14 appro 112:23	107:9 108:5,13 approvals 59:19	80:22 131:8,22 165:20	46:4,7 47:17,22	56:24 57:1
112:10 189:24 appreciated 17:14 appro 112:23	108:5,13  approvals 59:19	131:8,22 165:20	47:17,22	
189:24  appreciated     17:14  appro 112:23	approvals 59:19	165:20	·	
appreciated 17:14 appro 112:23	59 <b>:</b> 19		48:9 55:14	89:25
17:14  appro 112:23		<b>~~</b> ??.?	60:12 64:1	90:25 91:5
17:14  appro 112:23	22222	<b>ar</b> 22:2	71:14,20	92:12,13,1
	approve	area 49:14	73:22 76:5	5,22
	74:10	111:10	78:10,23	93:11,12
approach	81:16	117:21	80:22,23	97:22,25
		136:22	81:9 82:8	98:1
39:17 <b>,</b> 23	approved	137:14	94:13 96:9	99:21,23
44:11 75:5	10:25	177:6	99:8 100:1	100:14,15
83:24	13:25	193:21	106:1,11,1	101:5,7
105:8	70:2,14	201:5	9,22	129:3
237:2	72:11		121:9,15	142:11,17
	93:18	areas 21:23	125:15	143:15
approaches 236:25	96:10	30:24	129:9	148:8
236:25	198:19	31:17	132:23	150:21
appropriate	approves	52:1,3	135:5	166:16
12:8	108:7	56:11	170:13	167:15
21:11,21		argument		239:19,21
45:3	approximate	22:2	arranging	240:1
111:11	112:11	107:22	54:21 77:2	
188:12	192:20	196:1	array 34:6	assignment
217:24	approximatel	<b>ARM</b> 45:19	_	216:7,10
219:6	<b>y</b> 7:8	ARM 45:19	arrows	assist 7:23
226:24	26:11,14,1	arrange 87:8	132:17	21:5 38:1
229:2	5,17,21	101:22	134:1,5,8	65:7
237:20	27:3,18	arranged	ascertain	204:12
240:14	29:19,23	87:11	100:9	
appropriatel	30:2 31:16	07.11	<b>aside</b> 131:19	assistance
<b>y</b> 47:18	53:7	arrangement	<b>aside</b> 131:19	206:16
_	58:2 <b>,</b> 6	9:24 10:3	aspects	assisted
215:18	72:24 85:4	20:15 79:1	80:13	7:17 9:17
217:22	86:14	82:13	236:5	
approv 29:7	102:24	99:11	assembled	assisting
approval	112:10,24	100:10	15:13	10:15 22:4
8:17,22	146:18	102:2		associated
10:2	175 <b>:</b> 15	106:6	assess 99:9	8:23 26:5
23:19,25	177:24	123:20	100:23	34:8 44:2
24:14,21	181:4	125:9	assessed	46:13
25:2 26:4	193:22	126:19	43:21	55:21
28:21	197 <b>:</b> 22	130:22		57 <b>:</b> 12
29:4,7,25	200:8	139:3	asset 55:7	59:17 81:8
30:16 60:6	216:5	148:19	93:9	100:9,16
64:6 71:19	222:1	162:6	98:9,18	102:20
U = - U / I - I 2	231:4	223:12	99:7 240:5	118:7
		• · · · · · · · · · · · · · · · · · · ·	I	
77:25	April 4.10	236:10	asset-	142:20
77:25 78:4,14	<b>April</b> 4:10			142:20 163:1
77:25	<b>April</b> 4:10 7:11 9:3 14:8 29:20	236:10  arrangements 8:3,12,17,	management	

306				
199:11,12	62:6,16	38:13,15		66:2 <b>,</b> 10
Association	attendees	45:18	В	71:8,11,23
4:19	62:25	53:10 54:3	<b>ba</b> 171:4	72:4,6,13,
5:8,13		58:3,6	225:11	15,16,20
11:3 15:3	attending	92:5,18	backed 186:2	73:3,6,13,
17:22	33:23	157:25	backed 100:2	14,20
18:2,9,14	attention	173:18	background	74:6,8,13,
20:8 62:10	70:25 71:2	175:13,20,	61:19	23
	194:12	21,22	216:11	75:2,13,14
assume	attractive	177:21,25	back-haul	,20,25
154:20	183:7	179:12	114:12,21	76:9,14,17
assumed		180:3,8	115:7,8	,24
233:1	attractivene	181:3,4,19		77:5,9,13,
assumes 47:6	<b>ss</b> 47:8	220:21	backing 174:21	16,18,20,2
	attribute	221:7,10	1/4;21	3
assuming	117:11	224:9	backwards	78:1,11,20
6:17 21:23	120:2	226:1	136:4	79:2,6,10, 20
27:19		averaged	<b>bad</b> 20:18	80:3,9,15
196:6	attributes	174:1	68:10	80:3,9,15
197:8	26:1 34:15	175:15		82:5,9,14,
219:18	August	averages	balance	18,23
assumption	63:4,11	226:13	26:17	83:9,14,17
181:15	77:25	229:19,21	43:11 76:7	,23
238:18	78:2 <b>,</b> 15	·	102:17	84:9,13,15
assumptions	authored 8:7	<b>avert</b> 99:18	113:16 114:7,22	,20,25
6:21 57:21	16:9 61:10	<b>avoid</b> 144:5	141:18	85:6,11,16
190:25		162:25		,19,23
191:8,13	availability	237:13	balanced	86:3,9,13,
195:17	210:20	avoids	45:14	16,20,22
196:8	available	226:10	balancing	87:2,6,9,2
197:12	7:23 61:19		42:17 43:7	4
199:25	67:18	<b>aware</b> 9:6	142:6	88:3,8,17,
223:10	88:12	16:9 27:25	143:22	23
227:25	102:12	33:23	144:4	89:12,21
238:22	109:9	79:25 135:25	236:21	90:1,7
assurance	110:8	136:9,12,1	ballpark	105:22,23
36:16	126:14	3	190:8	107:8
44:12	159:11	137:21,24		128:24
	192:7	182:8	Barnlund	129:16,17
attempt	195:18	191:16	3:13 5:5	190:17
141:17	201:17	201:16	17:8	203:18,23
176:18	204:14	206:8	23:6,7,9	<b>based</b> 34:19
attend	206:23 227:16	231:3	25:11	41:3 69:5
61:23,25			58:21	72 <b>:</b> 25
attendance	availed	away 108:6	59:10,12,1	77:11
11:9,16,23	125:3	151:9	8,22 60:20	104:9
	<b>Avenue</b> 1:21	172:19	61:6,14,24 62:8,17,25	109:17
attendant		226:5,13	63:8,18	110:7
187:17	avenues	228:7		112:15
	70.01	I	64 • 7 - 10	
attended	79:21	awkwardness	64:2,10 65:4,13,18	113:3 155:1

Centra Gas Ma	iii coba ii aii.	s. a rolliolic	y Wbbr.	rage 249 Or
306				
158:25	23,25	53:14,21	71:8,11	174:9
184:14	185:2,5	54:5,14	75:6 78:1	186:2
191:13	187:25	55:1,10	83:12	205:22
195:4	190:4	56:3	85:3,23	214:21
199:19	191:20	57:2,14	98:7	231:9
203:22	194:16,20	58:20	101:21	
226:11	195:14	59:9,18	105:2,20	best-fit
228:24	212:21	60:18	111:23	37:11
233:8	227:18	61:4,12,22	113:11	38:9,16
235:13	228:9	62:5,14,22	115:18,25	39:19
239:12		63:5,14,23	123:4,14	220:18,19
	Bcf 58:7	64:7	124:13	221:6
basically	89:9	65:1,13,24	125:20	better 20:5
47:11	<b>bear</b> 87:19	66:9	126:13	65:8,11
124:2		69:2,8	136:24	121:22
128:7	bearing	89:16	153:18	125:8,12
159:21	88:11	140:25	233:17	214:2
172:10	223:8	155:4	236:17	228:4
201:14	became	169:5	230:13	
207:25	136:12,13		believes	<b>beyond</b> 36:10
<b>basin</b> 51:23	·	Bedford's	175:7	<b>bid</b> 46:24
53:5,6	become 18:8	105:8	<b>belt</b> 141:15	130:12
56:1 58:10	40:14	144:17		
186:2	127:1	175:4	benchmark	bidirectiona
	137:2	<b>begs</b> 21:19	100:3	1
basins	141:25	_	171:21	115:13,19
50:11,14,2	becomes	behalf 5:12	183:22,24	bi-
0 51:20	51:15	18:9,13	184:8	directiona
56:13	h	19:10,22	194:24	<b>1</b> 56:19
182:18	becoming	20:14,17	beneficial	
183:8	20:21	30:19	48:9	bidirectiona
basis	195:18	59:15		<b>lly</b> 137:3
35:18,23	Bedford 2:4	68:13,14	benefit 28:8	biggest
37:9,10	3:17	71:22	54:23	239:5
38:24	12:5,11,14	79:13 91:5	106:5	
40:22	19:12 20:5	177:9	148:17	<b>billed</b> 65:23
42:6,7	22:6,9,11	195:24	184:11	171:9
54:20 58:3	25:16 <b>,</b> 17	behaviour	benefits	172:24
65:23 73:1	30:18,23	89:2	31:7 131:6	billing
83:1,2	31:9,22	141:17	187:7	65:16
89:6	33:16 35:3		189:16	billion 58:6
104:2,4,19	36:4 37:4	<b>Behind</b> 23:12		billion 38:6
112:16	38:2 39:10	beholder	Bercier	Bipole 20:6
113:20	40:6 41:16	149:8	23:12	22:15
114:1	42:21		<b>best</b> 36:6	<b>bit</b> 22:21
136:10	43:25	believe	38:13	76:6 96:3
137:20	44:15 45:7	15:15	64:24	105:8
146:15	46:2,12	23:23	80:16	
154:23	47:2,19	24:13,20	109:9,10	108:1
160:12	48:3,18	25:1 62:17	110:7	111:13
174:19	49:2,9,18	64:13	137:11	175:21
183:11	50:3,22	65:10	155:14	blanket
	51:16 52:7	67:18	158:12	50:25
184:18,19,	5=110 5217			

blend 201:24	CCITCIA GAS MA.	nitoba - Trans	· & FOLCIOII	APPI.	Page 250 OI
block 160:18         68:4 (14:16)         144:16 (15:15)         17:12 (10:48:12)         25 (10:48:12)         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         107:7         107:7         107:7         107:7         107:7         107:7         107:7         105:15         114:23         108:4,10,71         107:7         108:4,10,71         109:14         107:7         109:14         100:14	306				
block 160:18         68:4 (14:16)         144:16 (15:15)         17:12 (10:48:12)         25 (10:48:12)         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         104:8,12,17         107:7         107:7         107:7         107:7         107:7         107:7         107:7         105:15         114:23         108:4,10,71         107:7         108:4,10,71         109:14         107:7         109:14         100:14	<b>blend</b> 201.24	64.5 65.3	132•10	15.5.12	103.4.7.13
166:15   168:13, 17, 7   104:8, 12, 15   168:13, 17, 17   104:8, 12, 19   168:13, 17, 19   17:7, 19   17:7, 19   168:13, 17, 17   17:7, 19   168:13, 17, 17   17:7, 19   168:13, 17, 17   17:7, 19   168:13, 17, 17   17:7, 19   168:13, 17, 17   17:7, 10   157:16   168:8, 19   5, 23   166:7, 17   75:9, 23   160:4, 19   69:15, 24   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:14   109:15, 24   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   109:14   109:15   1					
168:13,17,   70:3,6,8,1   151:17   19:3 66:23   7,24 105:   106:15   106:					
168:13,17,   3,15 71:24   153:3   67:1,2,8,1   107:7     19				•	
Discrete   Text					
blocks   74:10	19	T			
166:7,17	blocks				
blown         152:8         76:23         165:25         70:5,10,17         110:3,9,1           blue         132:17         78:7,13         171:8         71:6,16,24         111:1,8,1         72:7,14,17         25           134:1,8         79:3,9,18,         172:23         22         12:3,4,1         13:3,4,1         14:21         146:20         80:1,10,14         178:23         74:2,7,21         14:10,24         18:11:3,7         14:10,24         16:8         82:17         18:11:3         75:4,16,21         155:10         0         16:8         76:25         83:7,19         184:15         20         16:4,9,1         15:5,10         0         16:4,9,1         16:4,9,1         16:4,9,1         17:2,7,10         ,19,24         15:5,10         0         16:4,9,1					
Display   Disp	· ·	-			
	<b>blown</b> 152:8				
134:1,8     79:3,9,18,     172:23     ,22     112:3,4,1       144:21     19,22     177:9,21     73:5,9,15     ,18 113:7       145:2,15,2     80:1,10,14     178:23     74:2,7,21     114:10,24       166:8     82:17     180:1     75:4,16,21     115:5,10,       167:25     83:7,19     184:15     ,20     116:4,9,1       168:17     84:1,16     185:9,20     77:2,7,10,     ,19,24       223:2     85:21     186:15,21     14,17,21,2     117:17       board     86:12     188:1,11     4     118:16,23       1:3,12,13,     87:7,21     189:3,8     78:8,17,21     119:1,5,1       1:4,15,20     89:21     196:16,20     81:14     0       2:2 4:10     89:21     195:24     80:8,25     120:4,14,       7:12,14,17     90:20 91:8     196:1,20     81:14     0       8:7,9,13,1     93:14     199:5     15,19     ,20       8:7,9,13,1     95:9,15,21     200:10,7     83:6,10,15     122:3,14,       10:7,16     103:8,14     209:18     85:2,8,13,     22       10:7,16     103:8,14     209:18     85:2,8,13,     22       10:7,16     103:8,14     209:18     86:5,11,18     126:16,24 </td <td><b>blue</b> 132:17</td> <td></td> <td></td> <td></td> <td></td>	<b>blue</b> 132:17				
144:21 19,22 177:9,21 73:5,9,15 18113:7 145:2,15,2 80:1,10,14 178:23 74:2,7,21 114:10,24 1146:20 81:16 180:1 75:4,16,21 115:5,10, 166:8 82:17 182:21 76:4,10,15 0 166:8 82:17 182:21 76:4,10,15 0 168:17 84:1,16 185:9,20 77:2,7,10, 19,24 223:2 85:21 186:15,21 14,17,21,2 117:17  board 86:12 188:1,11 4 118:16,23 1:3,12,13, 87:7,21 189:3,8 78:8,17,21 19:1,5,1 4,15,20 89:21 190:16 79:5,16,24 119:1,5,1 2:2 4:10 89:21 190:16 79:5,16,24 119:1,5,1 7:12,14,17 90:20 91:8 196:1,20 81:14 0 7:12,14,17 90:20 91:8 196:1,20 81:14 0 7:12,14,17 90:21 189:5,9,19 82:1,7,10, 121:3,7,1 8:7,9,13,1 93:14 199:5 15,19 ,20 8:7,9,13,1 94:11 200:1,7 83:6,10,15 122:3,14, 9:3,9,15,1 99:18 203:10 84:8,15,22 124:10,16 9:3,9,15,1 99:18 203:10 84:8,15,22 124:10,16 10:7,16 103:8,14 209:13 85:2,8,13, 22 10:7,16 103:8,14 209:13 85:2,8,13, 22 11:16,18 19,25 125:1,6,1 13:14,15,1 106:21 21:16,18 19,25 125:1,6,1 15:19 107:3,9,10 221:14 87:4,20 3 128:18 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 223:23 88:3,13,18 129:13,19 16:4,14,16 108:7,11 23:16 99:1,14,20 3 128:18 27:24 114:25 92:114 87:4,20 3 128:18 27:24 114:25 92:114 87:4,20 3 128:18 27:24 116:10 95:7,14,20 132:9,15, 31:3,11,12 120:17,25 65:25 92:3,11,17 21:6,23 113:1,12 120:17,25 65:25 498:7,13 135:2,13, 44:4 48:22 121:10 99:2,12:17 10:2,17,2 138:2,10, 59:13 125:13 125:13 7:18 100:2,17,2 138:2,10, 61:2 63:3 130:2,4 99:9,12,14 3 7,19,23	134:1,8				
145:2,15,2         80:1,10,14         178:23         74:2,7,21         114:10,24           166:8         81:16         180:1         75:4,16,21         115:5,10,           167:25         83:7,19         184:15         ,20         116:4,9,1           168:17         84:1,16         185:9,20         77:2,7,10, ,19,24         116:4,9,1           223:2         85:21         186:15,21         14,17,21,2         117:17           board         86:12         188:1,11         4         118:16,23           1:3,12,13, 87:7,21         189:3,8         78:8,17,21         119:1,5,1           1:4,15,20         89:21         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,           7:12,14,17         90:20 91:8         196:1,20         81:14         19:15,70         12:3,7,1           8:7,9,13,1         93:14         199:5         82:1,7,10         12:3,7,1         12:3,7,1           9:3,9,15,1         95:9,15,21         200:1,7         83:6,10,15         12:23,14,           9:3,9,15,1         95:9,15,21         20:22,2,23         18,25         122:13,14           10:7,16         103:8,14         209:13					
1 146:20       81:16       180:1       75:4,16,21       115:5,10,         166:8       82:17       182:21       76:4,10,15       0         167:25       83:7,19       184:15       ,20       116:4,9,1         168:17       84:1,16       185:9,20       77:2,7,10,       ,19,24         223:2       85:21       186:15,21       14,17,21,2       117:17         board       86:12       188:1,11       4       118:16,23         1:3,12,13,       87:7,21       189:3,8       78:8,17,21       119:1,5,1         14,15,20       89:51       190:16       79:5,16,24       119:1,5,1         14,15,20       89:21       190:16       79:5,16,24       119:1,5,1         7:12,14,17       90:20       91:8       196:1,20       81:14       0         7:12,14,17       90:20       91:8       199:5,9,19       82:1,7,10,       121:3,7,1         7,8,24       92:18       199:5       15,19       20       120:3,14       199:5       15,19       20         5,16,18       94:11       200:1,7       83:6,10,15       122:3,14,       122:3,14       122:3,14       122:3,14       122:3,14       122:3,14       122:3,14       122:3,14       122:3,1	145:2,15,2				
166:8         82:17         182:21         76:4,10,15         0         116:4,9,1         168:17         20         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         116:4,9,1         119:1,7         119:2         119:2         117:17         119:2         117:17         119:1,7         117:17         118:16,23         113:14,15,21         117:17         118:16,23         119:1,5,3         119:1,6         119:1,6         119:1,6         119:1,6         119:1					
167:25         83:7,19         184:15         ,20         116:4,9,1           168:17         84:1,16         185:9,20         77:2,7,10,         ,19,24           223:2         85:21         186:15,21         14,17,21,2         117:17           board         86:12         188:1,11         4         118:16,23           1:3,12,13,         87:7,21         189:3,8         78:8,17,21         119:1,51,1           1:4,15,20         89:21         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,           7:12,14,17         90:20 91:8         196:1,20         81:14         0           8:7,9,13,1         93:14         199:5         15,19         ,20           8:7,9,13,1         93:14         199:5         15,19         ,20           8:7,9,13,1         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         99:9,15,21         202:22,23         ,18,25         5         123:7,1           7,21         10:13         20:13         84:8,15,22         124:10,16         122:3,14           10:2:1         10:13         20:13         85:2,8,13         22:12:1,6,1<	166:8				
168:17         84:1,16         185:9,20         77:2,7,10,         19:24           223:2         85:21         186:15,21         14,17,21,2         117:17           board         86:12         188:1,11         4         118:16,23           1:3,12,13,         87:7,21         189:3,8         78:8,17,21         119:1,51,11           14,15,20         88:5,14,19         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,           7:12,14,17         90:20 91:8         196:1,20         81:14         0           7:12,14,17         90:20 91:8         196:1,20         82:1,7,10,         121:3,7,1           8:7,9,13,1         93:14         199:5         15,19         ,20           8:7,9,13,1         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         95:9,15,21         20:222,23         ,18,25         5 123:7,1           9:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,6,13         22           12:2         104:13,25         21:16,18         19,25         125:1,6,1           15:19<					
223:2         85:21         186:15, 21         14,17,21,2         117:17           board         86:12         188:1,11         4         118:16,23           1:3,12,13,         87:7,21         189:3,8         78:8,17,21         118:16,23           14,15,20         88:5,14,19         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,14           7:12,14,17         90:20 91:8         196:1,20         81:14         0           8:7,9,13,1         93:14         199:5         15,19         ,20           8:7,9,13,1         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         95:9,15,21         202:22,23         ,18,25         5 123:7,1           7,21         99:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,8,13         22           13:14,15,1         105:2,4,11         212:19         86:5,11,18         126:16,24           15:19         107:3,9,10         221:14         87:4,20         3128:18           16:4,14,16         108:7,11         223:23         88:3,13,18         129:13,19 <td></td> <td>· ·</td> <td></td> <td></td> <td></td>		· ·			
board         86:12         188:1,11         4         118:16,23           1:3,12,13,         87:7,21         189:3,8         78:8,17,21         119:1,5,1           14,15,20         89:21         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,18           7:12,14,17         90:20 91:8         196:1,20         81:14         0           8:7,9,13,1         93:14         199:5         99:18         199:5         15,19           8:7,9,13,1         93:14         199:5         15,19         20           5,16,18         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         95:9,15,21         202:22,23         ,18,25         5 123:7,1           7,21         99:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,8,13,         22           13:14,15,1         105:2,4,11         212:19         86:5,11,18         126:16,24           15:19         107:3,9,10         221:14         87:4,20         3 128:18           16:4,14,16         108:7,11         223:23         88:3,13,18         129:13,19 <td>223:2</td> <td>7</td> <td></td> <td></td> <td></td>	223:2	7			
1:3,12,13,         87:7,21         189:3,8         78:8,17,21         119:1,5,1           14,15,20         88:5,14,19         190:16         79:5,16,24         ,14,18           2:2 4:10         89:21         195:24         80:8,25         120:4,14,           7:12,14,17         90:20 91:8         196:1,20         81:14         0           ,18,24         92:18         198:5,9,19         82:1,7,10,         121:3,7,1           8:7,9,13,1         93:14         199:5         15,19         ,20           5,16,18         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         95:9,15,21         202:22,23         ,18,25         5 123:7,1           7,21         99:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,8,13,         22           13:14,15,1         105:2,4,11         212:19         86:5,11,18         126:16,24           13:14,15,1         106:21         21:14         87:4,20         3 128:18           16:4,14,16         108:7,11         223:23         88:3,13,18         129:13,19           20:3,10         11:2         235:2         91:7,13,19         13:7,14					
14,15,20 2:2 4:10 7:12,14,17 90:20 91:8 196:1,20 8:7,9,13,1 93:14 99:18 99:31 199:5 15,19 20:2,23 10:7,16 103:8,14 105:2,4,11 105:2,4,11 105:2,4,11 105:2,4,11 106:21 13:14,15,1 106:21 13:14,15,1 106:21 107:3,9,10 16:4,14,16 108:7,11 108:7,11 109:13 231:3 16:4,14,16 109:13 231:3 16:4,14,16 109:13 231:3 16:4,14,16 109:13 231:3 231:3 22:4 110:16 233:10 233:10 233:10 233:10 233:10 233:10 233:10 241:16,18 241:17 25:19 26:2,2,4 26:4,8 27:2,2 21:16,8 27:2,2 21:16,8 27:2,2 21:16,8 27:2,2 21:16,8 27:2,2 21:16,8 21:17,5,18 21:16,10 21:2 21:10 2					
2:2 4:10         89:21         195:24         80:8,25         120:4,14, 14, 17, 18,24         90:20 91:8         196:1,20         81:14         0         121:3,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         121:13,7,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         122:3,14,1         123:10         85:2,8,13,2         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         125:1,6,1         127:6,14,         127:1,2,0         127:5,1,4					
7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 7:12,14,17 90:20 91:8 198:5,9,19 155,19 155,19 155,19 155,19 10:7,16 10:7,16 10:7,16 10:413,25 10:116,24 11:16,18 14:11,7 16:21 10:73,9,10 16:4,14,16 10:73,9,10 16:4,14,16 10:71,10 10:12 23:13 19:9,12,19 20:33,10 21:6,8 21:4 21:16,18 23:20 23:10 23:10 23:10 24:17 25:22 24 113:10 22:19 23:23 23:13 23:10 24:14 25:23 23:24 23:25 23:25 23:31 23:17 23:26 23:26 23:27 24 24:13,17 25:22 26:4,8 27:24 28:15 29:2 21:10 28:15 29:2 21:10 28:15 29:2 21:10 29:7,14,20 29:7,14 20:12,17 20:13,10 21:1	I .	· · ·			
18,24         92:18         198:5,9,19         82:1,7,10,         121:3,7,1           8:7,9,13,1         93:14         199:5         15,19         ,20           5,16,18         94:11         200:1,7         83:6,10,15         122:3,14,           9:3,9,15,1         95:9,15,21         202:22,23         ,18,25         5 123:7,1           7,21         99:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,8,13,         22           13:14,15,1         105:2,4,11         212:19         86:5,11,18         125:1,6,1           12:2         104:13,25         211:16,18         19,25         125:1,6,1           13:14,15,1         106:21         213:10         ,21,25         127:6,14           15:19         107:3,9,10         221:14         87:4,20         3 128:18           16:4,14,16         108:7,11         223:23         88:3,13,18         129:13,19           20:3,10         11:2         235:2         91:7,13,19         13:7,14           21:6,8         12:7         239:25         92:3,11,17         9,25           22:4         113:10         94:1,4,9,2         9         13:7,14,20					
8:7,9,13,1     93:14     199:5     15,19     ,20       5,16,18     94:11     200:1,7     83:6,10,15     122:3,14,       9:3,9,15,1     95:9,15,21     202:22,23     ,18,25     5 123:7,1       7,21     99:18     203:10     84:8,15,22     124:10,16       10:7,16     103:8,14     209:13     85:2,8,13,     22       12:2     104:13,25     211:16,18     19,25     125:1,6,1       13:14,15,1     105:2,4,11     212:19     86:5,11,18     126:16,24       8 14:1,7     106:21     213:10     ,21,25     127:6,14,       15:19     107:3,9,10     221:14     87:4,20     3 128:18       16:4,14,16     108:7,11     223:23     88:3,13,18     129:13,18       19:9,12,19     110:12     234:17     90:3,9,17     1,25       20:3,10     111:2     235:2     91:7,13,19     131:7,14,       21:6,8     12:7     239:25     92:3,11,17     9,25       22:4     113:10     80ard's     93:1,14,20     132:9,15,       26:4,8     15:6,21     7:21 8:22     15:7,14,20     132:9,15,       26:4,8     15:6,21     7:21 8:22     95:7,14,20     14,23       31:3,11,12     44:4 48:22     12:10     70:24 71:2	I .				The state of the s
5.16,18     94:11     200:1,7     83:6,10,15     122:3,14,       9:3,9,15,1     95:9,15,21     202:22,23     ,18,25     5 123:7,1       7,21     99:18     203:10     84:8,15,22     124:10,16       10:7,16     103:8,14     209:13     85:2,8,13,     22       12:2     104:13,25     211:16,18     19,25     125:1,6,1       13:14,15,1     105:2,4,11     212:19     86:5,11,18     126:16,24       8 14:1,7     106:21     213:10     ,21,25     127:6,14,       15:19     107:3,9,10     221:14     87:4,20     3 128:18       16:4,14,16     108:7,11     223:23     88:3,13,18     129:13,19       16:4,12,19     100:12     234:17     90:3,9,17     1,25       20:3,10     111:2     235:2     91:7,13,19     131:7,14,       21:6,8     112:7     239:25     92:3,11,17     9,25       22:4     113:10     80ard's     93:1,14,20     132:9,15,       25:22,24     114:25     4:13,17     1     132:9,15,       26:4,8     115:6,21     7:21 8:22     1     133:1,6,9       27:24     16:10     95:7,14,20     14,23       31:3,11,12     120:17,25     65:25     97:14,15,2     134:4,7,1					
9:3,9,15,1       95:9,15,21       202:22,23       ,18,25       5 123:7,1         7,21       99:18       203:10       84:8,15,22       124:10,16         10:7,16       103:8,14       209:13       85:2,8,13,       22         13:14,15,1       105:2,4,11       212:19       86:5,11,18       125:1,6,1         13:14,15,1       106:21       213:10       ,21,25       127:6,14,         15:19       107:3,9,10       221:14       87:4,20       3 128:18         16:4,14,16       108:7,11       223:23       88:3,13,18       129:13,19         16:4,17:4       109:13       231:3       89:7,14       130:1,13,19         19:9,12,19       110:12       234:17       90:3,9,17       1,25         20:3,10       111:2       235:2       91:7,13,19       131:7,14,25         21:6,8       112:7       239:25       92:3,11,17       9,25         22:4       113:10       80ard's       93:1,14,20       132:9,15,41         25:22,24       114:25       4:13,17       1       133:1,6,9         27:24       10:2       95:7,14,20       14,23       133:1,6,9         31:3,11,12       120:17,25       65:25       97:14,15,2       134:4,7,1					
7,21         99:18         203:10         84:8,15,22         124:10,16           10:7,16         103:8,14         209:13         85:2,8,13,         22           13:14,15,1         105:2,4,11         212:19         86:5,11,18         126:16,24           8 14:1,7         106:21         213:10         ,21,25         127:6,14,           15:19         107:3,9,10         221:14         87:4,20         3 128:18           16:4,14,16         108:7,11         223:23         88:3,13,18         129:13,19           16:4,174         109:13         231:3         89:7,14         130:1,13,19           19:9,12,19         110:12         235:2         91:7,13,19         131:7,14,           20:3,10         11:2         239:25         92:3,11,17         9,25           22:4         113:10         33:1,14,20         132:9,15,           26:4,8         115:6,21         7:21 8:22         1         133:1,6,9           27:24         116:10         95:7,14,20         14,23           31:3,11,12         120:17,25         45:25         498:7,13         135:2,13,           49:4 54:9         123:22         194:12         99:2,12,17         6136:11           59:13         125:13 <td></td> <td></td> <td></td> <td></td> <td></td>					
10:7,16 103:8,14 12:2 104:13,25 13:14,15,1 105:2,4,11 106:21 107:3,9,10 16:4,14,16 109:13 109:13 109:7,14 109:13 109:7,16 100:13 100:2,14,11 100:13 100:14 100:13 100:12 100:13 100:12 100:13 100:14 100:13 100:14 100:13 100:14 100:13 100:14 100:15 100:10 1	I .				
12:2 13:14,15,1 105:2,4,11 106:21 13:14,17 106:21 107:3,9,10 16:4,14,16 108:7,11 109:13 109:13 11:2 20:3,10 21:14 21:17 20:3,10 21:16,18 212:19 86:5,11,18 126:16,24 127:6,14, 87:4,20 3 128:18 129:13,19 10:12 23:23 88:3,13,18 129:13,19 10:12 23:23 88:3,13,18 129:13,19 130:1,13,19 20:3,10 11:2 235:2 29:3,11,17 21:6,8 112:7 239:25 92:3,11,17 22:4 113:10  Board's 23:13,11,12 26:4,8 115:6,21 11:5,18 116:10 112:0 28:15 29:2 117:5,18 119:20 119:20 119:20 119:20 110:2					
13:14,15,1 8 14:1,7 106:21 107:3,9,10 16:4,14,16 108:7,11 109:13 109:13 11:2 20:3,10 21:14 21:19 23:22 21:14 21:19 21:19 21:125 21:125 21:125 21:125 21:125 21:125 21:125 21:125 21:125 21:127:6,14, 21:1318 22:1318 23:1318 23:1318 23:1319 2					
8 14:1,7     106:21     213:10     ,21,25     127:6,14,       15:19     107:3,9,10     221:14     87:4,20     3 128:18       16:4,14,16     108:7,11     223:23     88:3,13,18     129:13,19       ,24 17:4     109:13     231:3     89:7,14     130:1,13,       19:9,12,19     110:12     234:17     90:3,9,17     1,25       20:3,10     111:2     235:2     91:7,13,19     131:7,14,       21:6,8     112:7     239:25     92:3,11,17     9,25       22:4     113:10     Board's     93:1,14,20     132:9,15,       25:22,24     114:25     4:13,17     94:1,4,9,2     9       26:4,8     115:6,21     7:21 8:22     1     133:1,6,9       27:24     116:10     10:2     95:7,14,20     14,23       28:15 29:2     117:5,18     14:11,16,2     95:7,14,20     14,23       30:5     119:20     15:1,23     96:4,12,22     134:4,7,1       31:3,11,12     120:17,25     65:25     97:14,15,2     1,7       44:4 48:22     121:10     70:24 71:2     99:2,12,17     6 136:11       49:4 54:9     123:22     194:12     101:2,17,2     138:2,10,       59:13     125:13     7:18     102:8,14,2     139:2,			•		
15:19 16:4,14,16 10:4,17:4 10:19:13 10:12 20:3,10 21:6,8 22:4 25:22,24 26:4,8 27:24 28:15 29:2 30:5 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3 10:10:17:3,9,10 221:14 223:23 88:3,13,18 129:13,19 223:23 88:3,13,18 129:13,19 231:3 89:7,14 130:1,13,19 130:1,13,19 131:7,14,20 239:25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 93:1,14,20 93:1,14,20 132:9,15, 94:1,4,9,2 95:7,14,20 14,23 96:4,12,22 14:11,16,2 95:7,14,15,2 17 135:2,13, 99:2,12,17 61:2 63:3 128:18 87:4,20 3 128:18 130:1,13,19 130:1,13,19 131:7,14,20 131:7,14,20 132:9,15, 95:7,14,20 132:9,15, 96:4,12,22 134:4,7,1 133:1,6,9 96:4,12,22 134:4,7,1 133:1,6,9 97:14,15,2 14:23 139:2,17, 139:2,17, 138:2,10, 139:2,11, 137:5,15 139:2,11, 137:5,15 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 130:2,4	I .				127:6,14,2
16:4,14,16 ,24 17:4 19:9,12,19 20:3,10 21:6,8 22:4 25:22,24 26:4,8 27:24 28:15 29:2 30:5 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3 109:13 223:23 88:3,13,18 129:13,19 231:3 89:7,14 130:1,13, 130:1,11,12 130:1,13, 130:1,14, 23:2, 11,17 19,25 11,17 11:2 235:2 194:12 10:2,17,14, 20:3,11, 130:1,13, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 130:1,14, 100:1,14,20 132:9,15, 131:7,14, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 131:7,14, 130:1,13, 130:1,13, 130:1,13, 130:1,13, 130:1,14, 100:3,1,					
,24 17:4       109:13       231:3       89:7,14       130:1,13,         19:9,12,19       110:12       234:17       90:3,9,17       1,25         20:3,10       111:2       235:2       91:7,13,19       131:7,14,         21:6,8       112:7       239:25       92:3,11,17       9,25         22:4       113:10       Board's       93:1,14,20       132:9,15,         25:22,24       114:25       4:13,17       94:1,4,9,2       9         26:4,8       115:6,21       7:21 8:22       1       133:1,6,9         27:24       116:10       95:7,14,20       14,23         28:15 29:2       117:5,18       19:20       95:7,14,20       14,23         30:5       119:20       15:1,23       96:4,12,22       134:4,7,1         31:3,11,12       120:17,25       65:25       97:14,15,2       ,17         49:4 54:9       123:22       194:12       99:2,12,17       6136:11         59:13       124:17       101:2,17,2       138:2,10,         59:13       125:13       7:18       102:8,14,2       139:2,11,         61:2 63:3       130:2,4       9:9,12,14       3       7,19,23	I .				
19:9,12,19 20:3,10 21:6,8 22:4 113:10 25:22,24 26:4,8 27:24 28:15 29:2 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  110:12 234:17 235:2 239:25 91:7,13,19 92:3,11,17 9,25 92:3,11,17 9,25 92:3,11,17 9,25 93:1,14,20 93:1,14,20 94:1,4,9,2 1 133:1,6,9 94:1,4,9,2 1 95:7,14,20 95:7,14,20 96:4,12,22 14:11,16,2 95:7,14,15,2 134:4,7,1 135:2,13, 65:25 70:24 71:2 194:12 101:2,17,2 138:2,10, 137:5,15 138:2,10, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11,					130:1,13,2
20:3,10 21:6,8 21:6,8 22:4 113:10 25:22,24 26:4,8 27:24 28:15 29:2 30:5 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3 111:2 235:2 239:25  Board's 239:25  Board's 4:13,17 7:21 8:22 10:2 10:2 10:2 10:2 117:5,18 119:20 117:5,18 119:20 115:1,23 65:25 70:24 71:2 199:2,12,17 135:2,13, 65:25 70:24 71:2 199:2,12,17 136:11 137:5,15 138:2,10, 139:2,11, 130:2,4  Physical String Str		110:12	234:17	90:3,9,17	1,25
21:6,8       112:7       239:25       92:3,11,17       9,25         22:4       113:10       14:25       13:1,14,20       132:9,15,         25:22,24       114:25       4:13,17       94:1,4,9,2       9         26:4,8       116:10       16:10       10:2       95:7,14,20       14,23         28:15 29:2       117:5,18       10:2       95:7,14,20       14,23         30:5       119:20       15:1,23       96:4,12,22       134:4,7,1         31:3,11,12       120:17,25       498:7,13       135:2,13,         44:4 48:22       121:10       99:2,12,17       6136:11         49:4 54:9       123:22       194:12       724 100:11       137:5,15         59:13       124:17       101:2,17,2       138:2,10,         59:13       127:18,25       7:18       102:8,14,2       139:2,11,         61:2 63:3       130:2,4       9:9,12,14       3       7,19,23	•	111:2	235:2	91:7,13,19	131:7,14,1
22:4 25:22,24 26:4,8 27:24 28:15 29:2 30:5 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  113:10 114:25 114:25 114:25 114:25 115:6,21 115:6,21 115:6,21 115:6,21 115:6,21 115:6,21 110 113:10 114:25 115:1,23 110:2 110		112:7	239:25	92:3,11,17	9 <b>,</b> 25
25:22,24 26:4,8 27:24 28:15 29:2 30:5 31:3,11,12 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  114:25 114:25 115:6,21 7:21 8:22 10:2 10:2 10:2 14:11,16,2 15:1,23 65:25 70:24 71:2 199:2,12,17 135:2,13, 137:5,15 124:17 125:13 125:13 127:18,25 130:2,4  94:1,4,9,2 1 93:1,4,9,2 1 133:1,6,9 14,23 95:7,14,20 96:4,12,22 96:4,12,22 97:14,15,2 4 98:7,13 99:2,12,17 6 136:11 137:5,15 137:5,15 138:2,10, 9:9,12,14 3  94:1,4,9,2 1 133:1,6,9 14,23 95:7,14,20 96:4,12,22 134:4,7,1 135:2,13, 99:2,12,17 139:2,11, 139:2,11, 7,19,23		113:10	Board! c	93:1,14,20	132:9,15,1
26:4,8 27:24 27:24 28:15 29:2 30:5 31:3,11,12 44:4 48:22 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  115:6,21 7:21 8:22 10:2 95:7,14,20 96:4,12,22 96:4,12,22 134:4,7,1 96:4,15,2 498:7,13 99:2,12,17 61:2 63:3  133:1,6,9 95:7,14,20 96:4,12,22 134:4,7,1 96:4,12,22 134:4,7,1 99:2,12,17 61:20 133:1,6,9 14,23 14,23 14,23 14,23 134:4,7,1 99:2,12,17 135:2,13, 99:2,12,17 137:5,15 137:5,15 138:2,10, 139:2,11, 9:9,12,14	•	114:25		94:1,4,9,2	9
27:24     116:10     10:2     95:7,14,20     14,23       28:15 29:2     117:5,18     10:2     96:4,12,22     134:4,7,1       30:5     119:20     15:1,23     97:14,15,2     ,17       31:3,11,12     120:17,25     65:25     4 98:7,13     135:2,13,       44:4 48:22     121:10     70:24 71:2     99:2,12,17     6 136:11       49:4 54:9     123:22     194:12     101:2,17,2     138:2,10,       57:3,16     124:17     125:13     125:13     5     2       60:6,21     127:18,25     7:18     102:8,14,2     139:2,11,       61:2 63:3     130:2,4     9:9,12,14     3     7,19,23	•	115:6,21	•	1	133:1,6,9,
28:15 29:2 30:5 31:3,11,12 44:4 48:22 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  117:5,18 119:20 14:11,16,2 15:1,23 65:25 70:24 71:2 194:12 101:2,17,2 138:2,10, 137:5,15 138:2,10, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11, 139:2,11,		116:10		95:7,14,20	14,23
30:5 31:3,11,12 44:4 48:22 49:4 54:9 57:3,16 59:13 60:6,21 61:2 63:3  119:20 120:17,25 120:17,25 120:17,25 120:17,25 120:17,25 120:17,25 120:17,25 120:17,25 120:17,25 120:17,27 135:2,13, 65:25 70:24 71:2 194:12 194:12 101:2,17,2 138:2,10, 7,19,23		117:5,18		96:4,12,22	134:4,7,12
31:3,11,12     120:17,25     4 98:7,13     135:2,13,       44:4 48:22     121:10     70:24 71:2     99:2,12,17     6 136:11       49:4 54:9     123:22     194:12     101:2,17,2     138:2,10,       59:13     125:13     125:13     127:18,25     7:18     102:8,14,2     139:2,11,       61:2 63:3     130:2,4     9:9,12,14     3     7,19,23		119:20		97:14,15,2	<b>,</b> 17
44:4 48:22     121:10     70:24 71:2     99:2,12,17     6 136:11       49:4 54:9     123:22     194:12     101:2,17,2     138:2,10,       57:3,16     125:13     Bob 2:2 3:18     5     2       60:6,21     127:18,25     7:18     102:8,14,2     139:2,11,       61:2 63:3     130:2,4     9:9,12,14     3     7,19,23		120:17,25		4 98:7,13	135:2,13,1
49:4 54:9     123:22     194:12     ,24 100:11     137:5,15       57:3,16     124:17     101:2,17,2     138:2,10,       59:13     125:13     Bob 2:2 3:18     5     2       60:6,21     127:18,25     7:18     102:8,14,2     139:2,11,       61:2 63:3     130:2,4     9:9,12,14     3     7,19,23	1	121:10		99:2,12,17	6 136:11
57:3,16     124:17     101:2,17,2     138:2,10,       59:13     125:13     Bob 2:2 3:18     5     2       60:6,21     127:18,25     7:18     102:8,14,2     139:2,11,       61:2 63:3     130:2,4     9:9,12,14     3     7,19,23		123:22		,24 100:11	137:5,15
59:13		124:17		101:2,17,2	138:2,10,2
60:6,21 127:18,25 7:18 102:8,14,2 139:2,11, 61:2 63:3 130:2,4 9:9,12,14 3 7,19,23		125:13		5	
61:2 63:3   130:2,4   9:9,12,14   3   7,19,23		127:18,25		102:8,14,2	139:2,11,1
14.10.20		130:2,4		3	7,19,23
17.10/20			14:10,20		

Centra Gas Ma	nitoba - Trans	. & FOLCIOII	APPI.	Page 251 OI
306				
140:7,24	7,22	4 <b>,</b> 25	124 <b>:</b> 12	13:9 19:5
142:8,21	179:4,13,1	211:16,25	131:8	
143:5,23	9,24	212:8,15,1	133:15	<b>Brady</b> 7:19
144:2,12	180:10,21	8,23	144:13	9:18
145:1,5,10	181:8	213:2,7,13	148:14	<b>break</b> 88:7
,14,21,25	182:3,13,2	,18,21	152:20	h was little was sub-
146:7,11,1	0	214:3,15	154 <b>:</b> 2	breakthrough
4,18,25	183:1,9,16	215:3,9,12	155 <b>:</b> 7	<b>s</b> 51:9
147:5,14,2	184:1,13,1	<b>,</b> 25	158:11	Brent 3:16
2 148:11	7	216:4,10,2	165:5,12	5:6 17:10
149:2,17	185:9,15,1	2	166:8,22	23:11
150:13	9	217:6,12,2	171:7	25:14
152:17	186:10,14,	5	172:23	48:21
153:2,14,1	20	218:3,6,9,	176:20	49:6,12,21
7,23	187:1,15,2	13,21	177:1,4	50:7,24
154:1,11,1	3	219:10,20	182:6	51:19
6,24	188:4,10,1	220:1,7,13	183:10	52:11
155:3,13,1	5,20,25	221:12,16	189:4	53:20
8,23	189:1,11,1	222:3,8,12	192:21	147:8,18
156:12,17,	8	,23	193:15	148:2,16
22	190:1,9,15	223:11,18,	197:20	149:6
157:13,14	,22	22	200:21	150:1,19
158:2,10,1	191:7,19,2	224:6,16,2	216:23	156:10,16, 20 157:24
6,24	4	0,25	217:1	158:7,14,1
159:4,9	192:11,19	225:3,7,11	222:24	9
160:2,13,2	193:1,7,13	,16,22	224:7	159:2,7,15
2 161:1,7,19	,19,25 194:6,11,1	226:5,18,2 3 228:3	230:3,5,10	169:2,8,15
,25	7 195:2,23	229:5,18,2	bookends	170:8,14,2
162:4,14,2	196:9,24	3	219:6	5
1	197:18,19,	230:2,9,13	224:22	171:13,16
163:9,14,1	25	,18,22	<b>border</b> 132:3	172:2
6,21	198:4,14	231:2,12,1	138:21,23	173:2,7,10
164:5,14,2	199:4,15	6	171:19,20	,16,24
5	200:4,18	232:1,11,1	borrowed	174:8,15
165:4,19,2	201:21	8,24	139:8	175:10
4 166:19	202:2,5,13	233:6,17		176:9,16,2
167:3,7	,20	234:1,6,16	bottom 96:4	4
168:9,10,2	203:2,9,13	<b>,</b> 25 235:13	103:1	177:5,19,2
2 169:4,10	,17,24	236:8,20	104:23	4
170:4,10,2	204:10,25	237:16	113:2,6	178:6,16,2
2	205:7,11,1	<b>boils</b> 109:3	124:17,18	0
171:6,14,2	4,20		132:20,21,	179:3,8,17
4 172:22	206:1,7,11	<b>bok</b> 157:18	22 179:14	,23
173:3,8,13	,19	<b>book</b> 4:21	200:23	180:5,11
,22	207:3,12,1	15:7,10,12	bottoming	181:1,11 182:11,16,
174:5,11	6,20	,21 16:12	154 <b>:</b> 21	24
175:2	208:8,15,1	17:13	<b>box</b> 214:4	183:5,14,1
176:1,13,1	9,23	70:20		8
8,25	209:11,18,	71:17 72:1	boxes 131:16	184:5,16,2
177:7,20 178:1,12,1	23 210:2,10,1	74:22 75:8	<b>BP</b> 2:14	3
1/0.1,12,1	210.2,10,1	105:1	11:18,22	185:13,18,
	1			

Celicia Gas Ma.	iii coba ii aii.	s. & FOICIOIIC	3 11PP -	rage 232 01
306				
24 186:13	British 53:5	buyer 92:1	196:12	168:15,18,
187:4,17	<b>DITCISII</b> 55.5	_	197:16	20 169:20
·	broad 54:3	187:12,19	197:10	170:5
227:5	broken	buyers	calculations	
228:6		172:17	180:4	171:21,23
238:8	221 <b>:</b> 18		1	183:23
Brian 2:7	<b>broker</b> 11:12	buying 24:25	calendar	205:1,15
11:5 20:2	h h +	152:1	73:17	209:8,15,1
	<b>brought</b> 52 <b>:</b> 24	178:3,4	83:12	7
<b>brick</b> 163:21	52:24 59:21 71:2	179:20,21 187:8	194:16 199:18	candidates
<b>brief</b> 22:18	83:19	10/:0		35:21 <b>,</b> 24
26:8 74:19	105:11		calender	39:15
80:6 94:19	127:18	C	6:17 83:13	capabilities
95:3,24	127:10	CAC 2:7 3:8	196:3,5	_
96:16 97:3	<b>BTUs</b> 58:3	11:4 12:19	197:7,21	115:22
98:23	budget 49:17	14:22	Calgary	135:24
101:15	_	17:24 18:7		capability
105:15	<b>build</b> 181:12	19:9	57:18	116:11
118:25	building	20:1,22	<b>Canada</b> 4:19	119:7
122:9	160:18	21:1 94:23	5:8,13	152:24
125:17	191:12		11:3,12,14	
126:4	191:12	CAC/CENTRA	13:9 15:3	166:25
136:18	<b>built</b> 56:11	156:25	17 <b>:</b> 22	
137:9	103:20	CAC/	18:2,9,14	capacities
138:17	181:9	CENTRA-1-1	19:5 20:8	204:3
	191:17	_	62:10	233:9
142:14	222:9	5:7 17:23	115:23	capacity 6:4
144:10	224:1	18:1	132:2	7:13 29:12
149:24		CAC/		
150:23	<b>bulk</b> 217:3	CENTRA-13-	133:3	32:16,17,2
164:1	<b>burn</b> 157:16	<b>c</b> 95:1	137:7	2 33:4
182:1			138:20	38:4,9,14,
202:18	burned	CAC/	145:17	16,19,22,2
209:3	134:19	CENTRA-17-	146:3	5 39:2,9
214:13	137:6,13	<b>E</b> 6:11	166:9	40:3,8
220:5	158:3	157 <b>:</b> 9	167:15	41:3,7,14
224:4	business	G7.G /	169:18	43:17
227:3	23:5 50:19	CAC/	203:4	44:17,24
234:23	69:22	CENTRA-18-	208:20,25	45:3 46:25
235:11		<b>E</b> 155:25	Canadian	47:25
hriofl.	119:25	156:11	33:7 36:20	55:15 <b>,</b> 20
briefly	143:25	CAC-16 98:14	37:3 40:2	90:10,12,1
59:20	206:12,14,			3 91:2,9
144:14	21,22	<b>CAC-2</b> 5:12	44:8 51:22	92:6,9,10,
bring 67:6	228:23	18:12	56:1,16	12,19,25
70:24	238:25	CAC-6-1	58:9 92:15	93:7,21
71:12	240:7	14:20	117:12	94:5,12,17
80:14 95:6	<b>busy</b> 7:15		138:15	,25 95:22
194:11	_	calculate	145:7	96:13,24
	<b>buy</b> 24:10,23	91:2	146:5,21	97:9,17,22
bringing	41:3 176:7	calculation	147:11	,23 99:14
12:20	187:20,24		151:6	· ·
brings 10:1	189:20	6:23 159:3	164:11	100:5
=	205:8	176:4	166:3,13,1	131:3
205:11		190:7,12	7	139:25
				l

Centra Gas Ma	III CODA II AII,	s. a FOICIOIIC	2 To To •	rage 200 OI
306				
143:9,10,2	210:18	21:4,10,22	86:1,2,6,7	154 <b>:</b> 5
		· · · · ·		
0 151:24	227:22	22:8,17,21	87:13	156:23
153:13,15	232:5	23:5,13,15	89:18	157:4,16,2
164:23	234:12	,23 24:5	90:9,12,22	
170:7	236:6	25:4,9,23	92:5,11,20	162:6,16
172:15	<b>cases</b> 46:18	26:2,9,11	93:2,20	164:15,18
189:13,20	180:18,19	27:5,13,16	94:4,10,11	165:25
191:21,25	· · · · · · · · · · · · · · · · · · ·	28:5,9,12,	,22,23,25	168:24
201:17	204:4,5	14,18,24	95:17	171:9
204:17	235:8	29:1,3,6	97:7,16,18	
210:20,21	<b>cash</b> 162:21	30:6,7,21	98:17,21	174 <b>:</b> 5
220:18,20	163:17	31:12	99:12,18,2	
221:6,11,1		32:4,22	4	176:14
	Cathcart	-	=	
7 231:24	7:23	33:14,17	102:11,12,	
232:4,7,14	<b>cau</b> 168:12	34:2,9,13,	25	182:6,7,22
,16		25 35:12	103:5,11,1	
233:8,15,1	caused 169:6	36:6,9	4 104:9	184:7
9,22	causing	38:7 <b>,</b> 19	106:4,8,13	186:16
234:8,10,1	151:11	39:13	107:9	187:24
4 236:15	101:11	40:19,20	108:2,12,1	
237:10	caution	41:11	6,24	190:2,23
239:2	196:18	42:1,13,23	109:3,18	191:8,20,2
capitalizati		43:15	110:3,10,1	5 192:1
_	cautious	44:5,12,17	1,18 111:3	194:18
on 240:11	228:15	,21 45:9	117:18,20	197:4
capitalizing	Celsius	46:5,9,15,	118:11	198:14,19
240:8	158:1	16,24	119:6,12	200:24
	• 00 05	47:3,8,17,	121:14,16,	
capped	<b>Cen</b> 20:25	20,25 48:8	21	3
130:19,22	<b>cent</b> 163:7,8	49:4	122:6,20	203:14,21,
careful	194:23	53:18,22,2	123:2,3,5,	
133:24	232:5	4 54:15	11,19	206:11,13,
151:9		55:13,16,1	124:13	22
	Centra 1:6	9 57:5,7	125:2,6,20	
carefully	3:9,11			
100:24	4:15,22	59:19	,24 126:18	
case 7:23,24	5:10,18	60:1,7,10,	128:4,8,11	208:11,24
38:8 40:20	6:3,8,14	16,24	,20 132:24	210:8,16
56:22 86:4	7:5	61:1,7,10,	134:14,18	211:4,13,2
109:8	8:9,14,16,	16,24 62:2	136:12	5
110:7	21 9:16,21	63:1,7,12,	137:16	212:5,8,10
114:19	10:2,8	16,18,25	138:4,5	213:4,7
119:20	11:21	64:4,8,17	139:5,8,20	214:7,17
119:20	12:4,18,24	65:1,12,14	140:12	215:10,12,
127:6	14:12,17	66:3,11	141:1,11	15
	15:15	67 <b>:</b> 3	142:10,23	216:2,11,2
171:3	16:6,7,19,	68:13 <b>,</b> 22	143:7,8	0
179:9	20,22,25	69:20,24	144:3,18	217:8,12,2
182:25	17:1,2,13,	71:18,22	146:15	0 218:3
183:6	25	72:10 <b>,</b> 17	147:15,23,	219:21
185:4	18:4,21,25	77:4,8,15	25 148:14	220:10
204:18	20:10,14,1	78:24 81:4	149:4,19	222:3
206:12,14,	7,23,25	84:1	150:14	223:12,25
21,22	1,43,43	–		,

Centra Gas Ma	micopa ilanc	s. a rolliolic	o mppi.	rage 234 Or
306				
224:11,22	85:15 86:5	170:16	CHAIRPERSON	170:9
225:13,23	87 <b>:</b> 22	173:12	7:3 19:23	
226:1,23	90:18	207:22	22:5	characterize
228:3	92:21	227:7	66:13,21	97:21
229:18	97:22,25	229:3	111:14,17,	137:12
230:20	98:3 103:1		22 167:16	187:13
232:5,12,1	107:11	certainly	168:3,7	211:8
9,25	108:18	32:1 42:16	188:13	214:22
235:4,15,1	109:16	43:4 67:4	240:14	characterize
6,22	112:9	71:1 80:9		<b>d</b> 41:24
236:10,20,	140:10	96:20	challenges	138:9
25 237:12	160:23	99:20	26:2 64:11	164:8
239:18	166:23	100:2	210:20	171:10
CENTED A /	167:11	108:23	challenging	238:12
CENTRA/	176:5	109:25	51:2	charge
CAC-13-C	186:11	117:19	change 47:14	_
95:10	187:2	169:4	65:21 84:7	
CENTRA-1	190:11	176:3	166:1,2	191:3
4:22	210:6	195:21 196:20	227:16,17,	charged
CENTRA-2	213:18	202:9	18	118:6
4:24	218:15	202:9		194:18,19
	224:9	certainty	changed	199:8
<b>CENTRA-3</b> 5:3	229:8	130:9	195:15	charges 93:4
17:6	232:6	199:2	changes	117:16
Centra's	235:20	214:8	8:14,17	131:3
8:2,8 9:23	236:6	Certificate	44:1	142:10,24
10:3 14:12	centre 62:11	3:20	47:9,18,20	
19:12,13	136:22		53:16	
25:25	150.22	Certified	56:4,5	chart 6:8
26:3,19	centres	240:22	60:19	17:17
27:1,6,7,1	50:12,21	cetera 238:3	65:14 89:2	95:9,12
0,17,21	52 <b>:</b> 4		105:13	96:5
29:21	cents 53:8	<b>chair</b> 7:12	137:24	124:13
32:10	173:20	9:16 10:7	169:7	131:17
33:23	174:22	66:10	195:12	144:20
36:12,17	194:25	chairing	-1	145:12
37:6,18,23	197:23	7:13	<b>changing</b> 47:4 48:1	146:14
38:3	198:15	Chairman	47:4 48:1 56:1,9	154 <b>:</b> 2 156 <b>:</b> 24
39:11,15,1	199:6	1:13 9:13	59:6	156:24
6 <b>,</b> 25	212:10	10:19,22	113:19	158:17
42:9,10	231:20	13:2,18	115:13	160:16
45:21	century	15:6 16:3	200:12	177:2
46:21	- I	19:8,17	238:6	178:23,24,
49:16,20,2	53:11	20:3 25:21	230:0	25
2 54:25	174:1	30:5 31:2	characterist	179:10,15,
57:10 <b>,</b> 12	Cer 108:23	48:22 54:9	ics 31:7	25 180:12
63:3 64:5	certain	59:13	34:20	185:4,8,10
66:4,7,24	69:18	66:24 75:8	characteriza	
69:17	126:13	111:9	tion 91:25	222:25
70:1,6,13	134:14,15	144:16	143:12	223:3
74:10	146:15	188:11	148:17	224:8,16
82:21 83:8	162:17	237:16	149:1,3,7	230:11,14
	102.11		17.1,0,1	200.11,14

Centra Gas Ma.	iii coba ii aii.	s. a FOLCIOII	J 11PP -	rage 200 OI
306				
231:4,15,1	13:19	137:22	220:14,15	165:16,17
9,23,25	15:7,15	151:2	•	204:21
	63:4	196:14	<b>cold</b> 37:22	
cheaper		204:7	38:18 39:8	combined
130:6	circumstance	220:21	43:15 93:8	26:25 45:4
149:20	93:13		133:7	166:16
175:8,19	107:20	client	146:25	167:8
180:2,8,17	118:22	19:10,22	147:10	combining
,20 185:22	151:3	<b>close</b> 35:24	148:4	52:20
187:3	circumstance	36:5 60:24	149:4	167:18
189:13	<b>s</b> 36:7	87:3 101:9	150:5	
236:10	56:2	139:1	<b>colder</b> 27:10	comes 37:20
cheapest	106:25	173:18	40:9,12	76:8 82:19
102:2,5	128:12	212:22	118:18	137:7
185:11	206:4		148:22	155:24
	227:16	closed 24:17		coming 76:5
<b>check</b> 39:16	229:3	42:8	coldest 39:6	103:15
73:7 123:6		143:14	40:24	107:8
124:4	<b>Clair</b> 113:24	closed-book	147:9	129:5
136:25	138:14	71:1	148:9	132:2
150:1	139:1,7,25	-	157:17,22	137:14
165:10	clarificatio	closely	159:10	160:20
185:24	n 10:15	141:19	cold-weather	165:1
216:20	16:16	189:6	41:23	166:9,11
checking	62:24	212:10		173:20
156:13	112:23	<b>closer</b> 46:20	collaborate	196:1
	113:8	50:21	107:3	231:17
Cheryl	220:8	53:10	colleague	238:6
240:25		56:13 <b>,</b> 17	8:6	
Chicago	clarificatio	73:10	colleagues	commence
32:23 33:8	<b>ns</b> 225:23	169:13,20	22:16	77:18
36:21,23	clarify	174:1	23:7,24	commenced
37:1 44:11	21:12	204:12	90:11	57:18
45:6,22	218:24	closest	101:20	commencement
48:14		101:9	101:20	7:4 29:3
55:25	<b>class</b> 65:16	101.9	152:10	58:11
chief 23:3	classes	closing		90:24
Chief 25.5	238:21	13:1,4,12,	collect	124:19,23
Chippewa	<b>clear</b> 67:25	15,16	91:24	148:19,24
56:15	83:6 98:16	19:6,8	collects	
choice 38:3	100:15	55:6 58:21	172:11	commences
159:24	121:10	143:17		83:11
187:20	129:1	196:1,21	colour 166:7	165:20
	133:24	Coalbed 51:5	Columbia	commencing
Christine	184:6	<b>coast</b> 58:12	53 <b>:</b> 5	7:1 29:20
23:16	196:5	COAST 38:12	column	comment 38:3
chronology	211:17	cognizant	158:17	
59:23	227:22	151:5	193:3,8	40:7 43:3 46:2 88:14
circular	228:11	coincidence	194:1	161:20
107:21		181:19		185:20
	clearly		combination	239:9
circulated 10:19	64:21	coincidental	33 <b>:</b> 7	200.0
	106:24		114:5,20	comments

Centra Gas Ma	nitoba - Trans	S. & POLLIOII	y Abbr.	Page 256 OI
306				
3:8,9	97:17,21,2	68:3 195:8	69:10,17	confidence
10:22	4		79:22	21:9 29:2
12:1,4,6,7	98:1,9,15	completely 41:12		217:22
19:10,11,1	138:24	•	conclude	
2,22 20:1		152:16	80:16,21	confident
22:8 37:5	company 9:1	226:9	209:14	187:12
45:8 48:5	23:21 24:3	complicate	237:18	210:6
57:23	29:9 30:13	82:2	concludes	215:18
58:21	40:18 46:3	complicated	66:10	217:18
63:12,20	74:22,24	21:14	80:11	confidential
67:16	76:2,25	-	concluding	68:22,25
103:14	91:21	component	10:23	69:4,16
112:7	98:19	8:20 84:10	12:17	211:5
132:10	101:10	85 <b>:</b> 12	28:24	confidential
140:25	105:10,24 106:21	146:5		ity 68:20
175:4		161:14	conclusion	_
commercial	112:14 120:22	components	78:13	69:10
26:18		81:10	100:19	configuratio
41:25 62:4	144:3 171:15,18	168:1,4	180:1	<b>n</b> 150:21
	· ·	·	condition	confined
238:24	190:18	comprehensiv	105:4	51:17
commercializ	207:21,23	<b>e</b> 61:8	150:11	31:17
ation 50:8	212:24	compressors		confirm 13:5
51:12	comparator	85:9	conditions	96:19
commercially	128:7	115:14	36:18	116:17
I -	compare		37:13	137:2
64:21,22	127:7	computer	43:20	186:24
69:19	230:14	108:18	47:4,18	confirmation
211:9,13	230:14	110:10	48:2 59:6	53:2
commodities	compared	181:9	109:21	
185:3	30:3 35:22	182:14	148:5,9	confirming
commodity	88:6 92:13	188:5	158:9	145:8
65:15	127:2,4	214:6	159:17	congregate
172:18	171:10	225:18,24	160:1	172:17
174:9	180:9	226:6	conducted	
187:14	compares	concede	9:3	conjunction
224:9	166:4	110:19	35:4,12	32:21
	172:24	conceivable	39 <b>:</b> 11	connect
communicated		44:15	216:17	29:15
200:1	comparing	44:13	<b>f</b> (0.2	connected
210:7	192:6	concept	<b>conf</b> 69:3	36:15
211:8	comparison	113:10	conference	30.13
communicatin	36:25 53:9	114:22	4:4 9:4	connecting
<b>g</b> 140:17	127:13	115:7	60:14,25	210:21
_	183:12	134:13	61:16,23	ConocoPhilli
communicatio	204:8	concepts	62:1,7,15	ps 28:23
<b>n</b> 62:19	competing	133:25	63:25	_
200:22	46:24		64:3,14	conscious
communicatio		concern 43:1	65:2,6,7	47:11
<b>ns</b> 13:10	competitive	concerned	192:25	consecutive
companies	191:10	101:12	203:11,14	43:15
42:22	complete	concorns	209:13	gensen
42.22		concerns		consensus

elicia Gas Ma	iii coba ii aii.	s. a folcionic	y wbbr.	rage 237 OI
06				
13:4	186:16	20:8,14	125:22	30:1,3,12,
174:25	222:16	30:2 62:10		17 31:5,10
228:24	238:5	91:10	continuing	33:11,15,2
229:15		101:1	58:25	1 34:2
227.13	considers	107:21	63:24	48:6,12
consequence	68:22	172:25	201:8	49:10
42:16	consistency		continuously	55:2 <b>,</b> 5
consequences	228:11	consumption	47:14	60:3 70:1
29:4,8		89:5 238:3	-	75:6,19
30:16	consistent	Con't 5:1	contract	77:3 78:1
41:17	30:14		20:13	79:14
	consistently	contain	28:22,25	
conservation	227:15	69:19	29:1,2,5,2	80:2,18
89:1,4		230:11	0 33:13	87:18
consider	consists	contained	46:23 48:1	91:17
37:15	92:9	57:21	64:24 82:6	105:2,5,1
60:10	constitutes	131:16	87:13	107:6
68:24	158:8	131.10	105:18	121:2,11,
79:19		contains	109:2	2,17
100:16	constrained	16:12	117:20	123 <b>:</b> 25
	36:18	108:19	126:21	129:3
183:2	constraints	144:21	129:12	135:10,24
208:16	131:22	177:1	141:7	140:21
219:21		contompleted	153:7	165:21
consideratio	consultant	contemplated 135:17	160:23,24	202:3
<b>n</b> 34:3	35:16	133:17	161:3,6	contractual
38:17 40:9	38:15	contents 3:1	165:1	8:3,24
46:1 61:19	39:14,18	64:20	166:24	64:1 74:2
99:19	consultants	context	167:2,5,11	93:21
102:21	109:10	154:8	,12	99:21
189:5	206:17		186:11,17,	106:19
198:11		184:25	22 190:2	107:12
202:21	consultant's	continent	192:10	
203:15	39:21,24	50:15	200:24	128:20
	consultation	185:22	201:5,9,19	140:19,22
consideratio	60:7 64:22		,22,24	162:5
<b>ns</b> 34:8	203:20	continually	221:18	189:7
35:1	203.20	227:24		contractual
49:20,23	consulting	continue	222 <b>:</b> 4 234 <b>:</b> 14	<b>y</b> 106:11
108:20	7:20 61:11	111:12	234:14	202:11
109:5	216:1	128:6	contracted	
123:24	consumed	173:14	153:5	contradicti
128:22	57:10	188:21	164:21	<b>n</b> 20:9
214:20	37.10	continued	contracting	contrary
215:4,7	consumer		138:1	136:5
considered	141:16	96:9 97:14	192:5	
44:3 64:4	143:3,4	112:3	⊥9∠.J	contribute
69:7	consumers	157:13	contracts	21:6
69:7 108:24	4:19	168:9	8:18 9:20	contributes
	5:8,13	170:2	23:20,24	45 <b>:</b> 15
110:5,11	11:2 15:2	188:25	24:7,10,14	contributin
1 ( ) . 1 1				contributing
160:11		197:18	<b>,</b> 20 25:2	
160:11 considering	17:21 17:21 18:2,9,13	continues	,20 25:2 26:5	58:9 115:0

Centra Gas Ma	nitoba - Trans	s. a rollioli	APPI.	Page 258 OI
306				
103:18,25	77:3	146:6,9,10	214:9,18	82:21 83:5
	226:20	,16,17,24	216:3,8,15	
control	229:10	147:3	217:3,7	85:14,17
34:22		153:1,9,21	218:5,11	87:19 92:4
148:10	corporation	, 25	220:11,12	94:5,10
controversia	68:14,16	154:5,10,1	222:11	100:20
<b>1</b> 22:14	76:19,21	5,23	223:13,15	102:7,25
convenes	99:4	155:1,2	224:12,19,	103:9
13:16	107:16	156:13	24	106:15
	184:4 214:19	158:15	225:9,10,1	119:12
convenience	214:19	159:6,8	4,21	123:2
15:13	correct	160:21,25	226:4,18	127:2
convenient	69:16,23	161:24	227:23	128:2
25:6 78:6	70:8,16	162:1	229:6	142:18
	75:1,13,15	163:14,15	230:16,17,	143:23,24
conventional	76:13	165:3,23	21,25	168:25
51:15,20	77:16,20	167:6	231:8	169:23
converging	79:1 80:3	169:9	232:21,23	176:21
227:25	81:6,18	171:12,13	233:6,25	183:2
converse	82:6 83:9	173:7	236:8	184:10
175:19	84:14,21	177:18,19,	240:22	189:14
180:9	90:8,15	23	correcting	204:22,23
	91:12,18	178:5,15	230:10	240:4
conversely	93:18,19	182:10,12		cost-
179:19	94:11	183:13,15	correction	effective
conversions	95:19	184:18	158:20	37:25
16:13	96:11	185:10,18	200:19	46:10
	97:19	186:19	correctly	101:22
conveyed 200:15	102:3	188:2	84:19	149:13
200:13	103:3,8	189:10,14,	192:22	236:1
cooperated	105:5,6 110:9	15,22	232:9	cost-
17:13	110:9	190:14,16	correspondin	
coordinated	114:13	191:23	q 44:10	effectivel
141:8	115:4,6,9,	192:4,18,2 4	-	<b>y</b> 149:10
	24 116:23	193:6,12,1	correspondin	costing
coordinator	119:3,4	8	<b>gly</b> 24:10	176:6
23:13,15	120:15,24	194:5,10,1	cost 8:8	costly 41:21
copies	121:6,12,1	4,15,21	9:19 20:15	205:18
15:14,15	3,21 125:2	197:24	27:3,4	
сору	126:16	198:1,3,4,	29:4,8	costs 6:4
15:19,22	127:21	13 201:1,2	30:9,16	8:23 10:3
16:24	128:3,23	202:4,25	33:6	23:19
70:20	130:12,24	203:1,8,16	34:11,21,2	25:2,3,4 26:4
	132:8,25	,23 205:10	3 35:23	29:17,23
corner 15:22	133:1,8,21	206:10	36:1,10	32:12
75:9	134:5,6,10	207:14,15	38:18,20,2	34:7,21
131:12 133:17	,18,22	208:17,24	5 40:1	37:9,12
154:4	135:15	209:22	44:24,25	38:10,23
207:9	142:12	211:24	45:25	45:4 48:16
	145:3,4,13	212:7	46:21	50:1 53:25
corporate	,20,22,23,	213:6	49:17	54:1 55:21
67:5 68:3	24		52:8,24	

Centra Gas Ma	.nitoba - Trans	s. a POLICIOII	y Appi.	Page 259 01
306				
59:8 64:19	78:4 <b>,</b> 25	67 <b>:</b> 1	186:16	,24,25
70:2 71:19	79:12,25		194:13	
73:12	140:4	cross-	198:15	cyclability
74:7,15,16	174:20	examinatio	213:8	221:13
78:14		<b>ns</b> 19:15	220:11	222:9,16,1
81:1,5,6,8	counter-	<b>Crown</b> 107:16	223:20	8
,9,13	party		223.20	223:13,15
82:24	139:21	Crystal	curtailment	cycle
	162:16	116:21	160:1	55:12,16
83:1,2,7,1	163:3,10,1	132:4	<b>curve</b> 221:5	236:3,4
8,21	8	<b>cubic</b> 53:3,4	224:21	·
84:3,12,17		58:6		cycles
,18,22	couple	30:0	231:11	143:18
85:3,14,20	16:7,8	cumbersome	232:16	cycling
,22 86:1	118:17	204:7	233:16	
90:20	236:5	cumulative	curves	32:19
94:16	237:23		35:13,15	
96:5,12,24	course 7:24	43:11,12	38:8,13,15	D
97:8 98:20	33:13	curiosity	181:13,20	daily
107:10	41:23 78:5	157:22	188:8	42:19,25
128:7	101:6	011 man a	218:18	43:10
144:8	150:3	currency	219:2	54:19
155:1	166:11	72:18	220:16,17,	
169:1,21	191:15	current 25:4	19 221:3	137:20
183:6	198:24	29:1,21	224:11,14	151:23
184:20	222:1	30:3 31:25	225:8,17	151:23
187:18,25		32:3 33:23	225:8,17	153:10
192:14,16	226:16	39:2 40:4		
198:18	covered	57:15 89:8	230:14,19,	
205:18	28:19	118:21	22	178:15
213:16	49:21	121:15	233:3,5,20	228:8
224:10	created 16:4	130:21	customary	236:16
231:22	created 16:4	132:23	70:6	237:3
	<b>credit</b> 91:10	132:23		Dakota
<b>cough</b> 107:25	118:7	152:21	customer	204:1,18
counsel 2:2	176:4	152 <b>:</b> 21 158 <b>:</b> 21	62:12	
7:18		158:21 159:22	137:1	data 35:11
9:9,15	credits		customers	48:25
10:11 12:5	118:13,17	168:23	11:20,21	177:17
19:9 66:25	120:10	173:12	26:2,13,14	178:4
67:15 87:2	121:1	200:11,24	27:5 45:16	179:6
88:4	critical	223:6	49:15,24	218:16
120:23	44:13	239:18	62:4 65:23	233:23,24
120:23		currently	74:11,12,1	<b>date</b> 13:7
Counsel's	cross 12:23	10:5 26:11	4,15,16	36:11
172:23	89:16	28:24 57:3	87:6,7,11,	70:13 74:5
counter	crossed	88:6 93:17	22	78:2
128:2	207:14	96:7 108:3	88:22,24	158:2,25
120:2		117:14	89:2	192:5
counter-	cross-	119:2,21	149:12	
parties	examinatio	120:11		dated
73:21	<b>n</b> 3:18	122:7	159:6,12	4:4,10,23
75:5,22,24	12:16	123:2,3,5,	160:3,6,8	14:7 16:20
76:11,12	66:12,16	12 153:21	238:5,6,20	<b>Dawn</b> 138:25
		12 133:21		Dawii 130:23

Celicia Gas Mai	iii coba ii aiis	s. a folciolic	71001.	rage 200 Or
306				
139:9	deadline	declare	131:15	141:19
	80:19	43:20	151:13,23,	142:10,24
<b>day</b> 13:15			25 152:22	162:1
27:23	<b>deal</b> 9:4	decline 69:3	153:7,10	163:1
29:13 33:2	83:1,2	238:19	161:17	171:1
42:7	84:10	declining	166:15,18	173:4,5
43:12,24	121:22	238:18	167:14,15	186:8
58 <b>:</b> 7	159:16		168:14	192:10
61:7,16	226:9	decrease	204:19	200:24
67:19	deal-by-deal	88:25	231:24	201:5,9,19
90:22	96:2	decreased	234:4,6,15	238:1,11,1
113:19		88:21	235:1,2,3,	4 239:4
117:20,22,	dealing		6,14,21,23	
23 118:3	224:8	decreasing	236:7,16	demarcation
135:25	<b>deals</b> 20:13	192:14,15	237:9	171:15
139:14,18,	230:14	<b>deem</b> 21:20	237.9	demonstrate
20 141:15		daamle.	delivered	155:15
143:17	dealt	deeply	36:12	177:12
151:1,2	17:15,16	192:12	81:22	
152:1,23	<b>debt</b> 28:3	default	105:12	demonstrates
157:17,19,	11. 50 11	102:9	140:2	150:14
22	<b>decade</b> 53:11	deferral	162:2,5,15	denominated
158:4,6,8,	58:1,13	83:3	163:22,23	72:15
11,17	173:25		164:4,6,8,	73:17 74:4
159:10,21	decatherm	239:23	12,21	
160:12	140:20	deficiencies	166:4	department
161:3,6,8	dood do oc. c	129:2,20	167:9,19,2	22:11 49:8
162:10,13,	<b>decide</b> 36:6	deficiency	0,23	59:15
19 163:6,8	71:3	198:11	168:18	133:18
200:25	decided	199:7,11	deliveries	dependent
201:6	31:21		43:14,16	84:23
207:22	deciding	define 117:5	208:7	152:16
229:24	235:15	defined 30:7	200:7	
234:9	233:13	107:16	delivery	depending
235:8,9	decision		87:14	26:22
236:5,11,1	47:12 79:9	defining	117:21	73:18
8 237:20	109:12	100:15	135:8,12,2	78:23
day-ahead	125:7	definition	1 136:7,22	104:6
42:6	192:9	113:14	137:14	123:17
	214:10,25	114:14	140:13	143:6
day-by-day	215:1		171:18	150:20
227:18	decision-	degrees	174:10	178:8
<b>days</b> 7:8	making	158:1	175:1	206:4
9:10 22:13	39:12	170:15	187:7	233:10
43:15	214:23	deliberation	193:20,21	depicted
118:17	214:23	<b>s</b> 66:22	201:5	161:9
235:15,16	217:24		<b>demand</b> 42:19	
236:12,14		deliver	43:9 45:12	depicting
	decisions	36:17	50:12	178:14
day-to-day	80:9 138:1	207:18	56:12 93:3	depiction
237:7	214:18	deliverabili	117:15	171:8
<b>de</b> 199:14	226:11	<b>ty</b> 29:14	117:15	dom1-+-
	228:23	33:1		deplete
			131:3	

306			11	
227.5	4	dama l c	220-15	111.0
237:5	designing	develop	239:15	111:2
depletes	182:6	111:3	240:2	168:18,21
235:17	desired 47:1	206:12,21	differential	169:5 175:3
depleting	<b>detail</b> 33:19	developed	177:11,15	186:15
41:13	151:17	51:25	179:1	195:13
237:7	195:17	181:13	180:16	199:16,23
depreciated	detailed	developer	181:16	211:2
199:14	34:13 49:3	182:17	183:8,11	directed
	195:18	developing	184:12,18, 20,24	8:13,18
depths		49:18	185:6	9:21 67:12
127:24	details 26:7	53:21	188:1	68:1 79:18
deregulation	31:10	206:8		80:13
106:3	101:18		differential	
derived	127:8	<pre>development 49:16 50:8</pre>	<b>s</b> 41:5	direct-
35:14	172:4		185:1,2,3,	evidence
38:13	180:6 185:25	57:19 206:18	5	66:11
220:25			differently	direction
224:14	deterioratin	<b>Dew</b> 140:5	110:24	71:12
describe	<b>g</b> 50:19	Deward 140:5	143:20	100:25
31:23	determinatio	differed	differing	115:13
31:23	n		170:14	134:9
50:25	202:11,14	39:23		136:8,9,14
114:17	218:15	difference	differs	directional
137:20	determinativ	126:1	31:25	52:22
138:4	e 110:13	differences	difficult	110:12,16
		83:4	41:20	214:7
described	determine	different	42:18	directionall
31:6 38:5	6:3,6	38:7 39:18	48:10	<b>y</b> 39:24
53:17 59:19	20:19	47:24 51:5	difficulties	40:3
59:19 71:15	96:23,25	75:17,18,2	170:18	
113:21	97:7,11	4 106:24	178:8	Directive
173:25	172:17	111:3	dimensional	65:25 66:2
178:7,11	180:2,7	117:3	52:12	directives
180:7,14	determined	123:24		80:10
	34:9 98:17	165:8	dimensions	directly
Description 4:2 5:2	99:1,12,16	168:6	52:13	69:2 82:8
4:2 5:2 6:2	104:10	182:8,9,18	dipping	161:22
	107:11	184:25	185:16	234:3
design 63:16	121:21	185:1,3	dips	directors
65:15	181:21 192:2	219:9,12,1	180:16,17	64:5
124:11	203:22	4 223:9		70:6,13
158:8,25	212:1	224:17,18	<pre>direct     12:9,22</pre>	•
160:3,5 238:9	219:1	225:1,18,1	12:9,22	disagreeing
		9 226:12 227:1	22:20,23	176:17
designated	determines	230:23	23:8 68:24	236:24
134:8	90:9,12,22	230:23	76:23	disagreement
designed	202:7	232:20	78:19 79:4	<b>s</b> 20:25
117:13	determining	236:25	90:11	disagrees
158:20	236:6	237:17	101:20	236:20

centra Gas Ma	III CODA II alii	s. a rollioir	APPI.	Page 262 OI
306				
disallowance	displacement	189:17	32:13	57:2 <b>,</b> 14
107:10,15,	136:3		38:21	58:20
17,18	138:9	divided	43:23	59:9,18
108:1,6	130:9	169:24	46:21	60:18
100:1,0	displacing	236:16	48:16	61:4,12,22
discern	170:5	divorce		
180:12	dispose	129:14	53:8,10,12	62:5,14,22
disclose	129:10		58:3	63:5,14,23
68:25	129:10	document	72:4,15,25	64:7
	dispositive	15:21	73:11,23	65:1,13,24
208:24	110:12	105:1	85:4 89:22	66:9
disclosed	214:8	160:16	173:19	downstream
212:24	disruption	192:22	174:1,3,4,	134:15
discounted	151:3	216:24	21 178:25	138:11
	131:3	documents	193:3	151 <b>:</b> 5
33:11,12	dissatisfact	4:21 13:22	194:22	
46:6,8,15	<b>ion</b> 129:9		212:10	draft 4:6
48:11	distinction	15:7,10,12	213:15,16	14:2
93:17		16:3,5,12	216:6	dramatic
135:13	66:5	17:13	231:19	50:16
discovery	166:20	70:20	<b>done</b> 21:4	
187:9	distinguish	71:17 72:1	78:6 188:6	dramatically
A* 1	167:14	74:23 75:8	203:22	52 <b>:</b> 25
discreet	di akada baka	124:12		draw
39:21	distribute	131:8	dotted	24:23,24
discretely	30:8 60:8	133:15	171:11	152:7
92:16	distributed	144:13	doubling	235:15
4	15:14	148:14	239:1	
discuss	distribution	152 <b>:</b> 20		draw-downs
25:25		154:3	<b>doubt</b> 22:14	154:13
60:17	28:16	155 <b>:</b> 7	Doug 2:4	drawing
106:22	40:18	157:18	3 <b>:</b> 17	148:6
discussed	42:22	158:11	22:9,10	
217:20	60:15	165:6,12	25:16,17	drawn
237:24	61:15	166:8,22	30:18,23	147:1,7,11
a:	84:12	171:7	31:9,22	, 25
discussing	91:21	172:24	33:16 35:3	151:18,24
56:25	103:21	176:20	36:4 37:4	155:8
discussion	138:24	177:1,4	38:2 39:10	<b>draws</b> 146:15
34:15 35:8	212:25	182:6	40:6 41:16	<b></b>
60:8,15	diversificat	183:10	42:21	drew
61:8,15,17	ion 49:25	189:4	43:25	223:24,25
62:21 66:7		192:21	44:15 45:7	drilling
210:23	diversify	193:15	46:2,12	52:21,23
	36:20	197:21	40:2,12	dri 100.7
discussions	53:23	217:1	48:3,18	<b>drive</b> 186:7
34:13,25	55 <b>:</b> 23	222:25		drive-in
35:10 79:7	diversity	224:7	49:2,9,18	141:5
211:1,2	24:21 35:2	230:3,5,11	50:3,22	driven 93:8
dispersed	45:20,21,2		51:16 52:7	
34:7	3,25 46:11	<b>dollar</b> 58:2	53:14	drives 42:4
	47:12,23	118:7	54:5,14	231:22
displaced	53:19,20	193:8,9	55:1,10	driving
139:8	59:7	dollars	56:3	<u> </u>
	55.7			

drop 154:7         ease 187:8         64:11         eleven         24           due 58:10         easier 100:3         147:12         175:13,17         emp.           69:17         east 56:22         222:3         181:1,23         emp.           209:10         115:3         efficiency         elicit 68:21         emp.           210:19         193:16         238:15         eligible         181:1,23           duration         eastern         effort 80:20         240:10         Emp.	hasize 0:11 irical
drop 154:7         ease 187:8         64:11 147:12 147:12 175:13,17 177:21 177:2	0:11 virical
drop 154:7         ease 187:8         147:12         175:13,17         emp.           due 58:10         easier 100:3         149:15         175:13,17         177:21         177:21         181:1,23         181	irical
due 58:10     easier 100:3     147:12 149:15 177:21 177:21 181:1,23       69:17     east 56:22     222:3     181:1,23 emp.       209:10 210:19     172:20 52:24 238:15 238:15     eligible 240:10 emp.       duration 9:19     eastern effort 80:20     240:10 emp.	
69:17     east 56:22     222:3     177:21     181:1,23       209:10     15:3     efficiency     elicit 68:21       210:19     193:16     238:15     eligible       duration     eastern     effort 80:20     240:10	
69:17     205:17     222:3     181:1,23       209:10     115:3     efficiency     elicit 68:21       210:19     193:16     238:15     eligible       duration     eastern     effort 80:20     240:10	87:2
205:17 209:10 210:19 115:3 172:20 193:16 238:15 efficiency 52:24 238:15 eligible 1940:10 Emp.	
209:10 210:19 172:20 193:16 238:15 eligible 18 240:10 Emp.	loy 214:1
193:16   238:15   eligible   193:16   castern   effort 80:20   Emp.	loying
eastern effort 80:20 Emp	81:13
9.19	ress
113:24   eliminate   1	93:2,11
218:11,14 efforts 208:11 1	94:1
during 151.6 64:23 212.11 1	98:16
1 80.16 1	05:3
16.14 103.3 11 1 eight eliminated	
19:18 4,15,20,22 23:19,24	ty 41:14
	<b>ble</b> 44:7
1 43.1E	bled
44:14 208:17,19, 75:6,17,18	2:19
150:3 20,25 153:12 eliminating	37:3
154:13 209:19 eighty 38:21 <sup>213:3</sup>	
174:4 211:3 elimination enc	ountering
dwoll 155.3   212.2   303.19   203.19	70:18
end	eavour
227-17 occompanie 120-11 129-11	3:14 88:8
220.22	74:18
end	lorse 70:6
E economic 146:1 123:13	
earlier 40:3 153:18 elsewhere	l-use 89:2
44:19 164:22 159·13 187:24 <b>ene</b>	rgy
49:22 87:5   192:2   176:17   cmail 12:10   2	:10,12,14
133:10 201:15 204:16	:16
137:4,17   205:24   206:15   <b>embedded</b>   1	1:6,11,14
148:3 206:2,6,24 209:8 119:5,8 ,	19,22
189:12 ,25 140:21 1	3:9
	8:17,20,2
	19:4,5
1 124.10   100.13   124.0	7:13
l 1 70 c   offort 72.24   olootria	7:2,16
l 70.15   20.7   emergency	0:9 82:17
101.5 43:20	9:1,3,4 19:20
215:24   Emerson	20:17,25
118:7	71:15,17
121:1	89:8
earned electronic 113:23	98:5,9,19
1 120•11 1 15•14-19 1 4= 40.4= 1	00:1
116.00	11:18
101.10	38:7
27.17,21	
$\begin{bmatrix} 20.1/9/12 & 142.19 & -2.19 & -2.19 & 142.19 $	age 64:14
I 107:19 10 I 196:17 I I 130:23 I	29:16
I 107:19 10 I 196:17 I I 130:23 I	ĺ

		01 10 10		107 5
engaged	entering	21:12,13	everyone	107:5
31:18	29:8 75:22	90:7	111:23	<b>ex</b> 86:18
39:13	125:3	106:4,10	everything	121:11
216:1	128:19	124:6	47:13	<b>exact</b> 124:5
217:7,13	entire 50:13	161:2	154:9	
engagement		208:1,4	195:11	143:7
60:4 217:5	entitled	210:4	evide 9:7	exactly
	119:10	219:5	evide 9:/	107:16
engaging 64:12	environment	225:20	evidence	220:10
	30:10	establish	4:24 5:12	<b>exam</b> 71:1
207:21	239:18	198:6,9	10:17	
208:1	environmenta	established	12:9,22	EXAMINATION
engineering	11y-	8:3 50:18	16:23	IN-CHEF
7:19 9:17	responsibl	8:3 50:18	18:8,12	25:16
enhancements	-	estimate	19:15	Examination
32:10	<b>e</b> 30:11	86:25	21:2,3	in-chief
	envision	87:21 89:7	22:1,20,23	3:17
<b>enjoy</b> 32:11	205:23	112:9	23:9 30:20	
enjoying	envisioned	159:3	31:4 48:24	examined
106:5		estimated	54:10	12:24
	60:13 194:8	85 <b>:</b> 3	65:10	examining
Enron 101:10	194:8		76:23	34:6 66:6
ensued	<b>equal</b> 187:22	et 238:3	78:19	
35:8,17	238:17	evaluate	90:11	example
	equally	33:18 35:1	98:8,15	24:2,15,2
ensure 15:22	238:14	64:19	101:20	27:8 47:1
43:8 128:9	230:14	201:9	115:1	51:8 53:3
151:13	equation		141:3	90:23
196:20	102:22	evaluated	169:5	117:22
215:17	equilibrium	44:24	175:3	152 <b>:</b> 22
ensured	174:23	evaluating	176:2,8	162:10
217:21		192:5	186:16	169:10
	equity 28:12		187:2	170:6,17
ensures	equivalent	evaluation	190:2	184:6
157:16	124:13	31:7,18	191:6,12	203:25
ensuring	148:21	34:20 37:5	195:13	214:24
217:16	183:24	64:13	196:17	231:13
22.20	207:21	106:13	199:17,23	236:3
enter 23:20		<b>event</b> 40:15	201:7	239:1
94:12	erosion 32:8	146:4	202:22	exceed
100:1	error 75:3	147:20	208:10,14	130:17
121:25		148:6	228:12	139:13
125:7	escalating	163:4	234:7	
140:15	170:2	214:1		exceeding
entered 9:20	especially		evidentiary	140:22
29:22 64:1	20:4	events 59:23	9:8	exceeds
105:3,18		ever-	11:10,16,2	186:7
106:2,20	essence	shrinking	4	
125:24	140:16	169:24	evolution	except 74:
153:7	162:18		56:10	exception
162:6	189:12	everybody's		20:22
	essentially	66:21	evolved	

			11 -	-
)6				
exceptionall	121:22	202:13	31:11	extend 10:6
y 26:25	142:22		50:22	
_		expectation	75:23 87:6	extended
exceptions	exhibit 4:2	84:5 239:3	95:15	121:1
175 <b>:</b> 12	5:2	expected	110:4	extensive
excess 43:17	13:19,20	40:12 58:5	113:10	35 <b>:</b> 7
53:12 91:9	14:1,2,3,7	78:3	117:5,17	
93:21	,15,20,25	225:18	157:15	extensively
143:15	15:6,8,10		177:10	22:1
149:9	16:20,22,2	expecting		extent 35:3
174:2	5	52:8	explanation	50:1
186:4	17:1,6,18,	expects 44:5	16:17	154:17
	19	53:6 84:1	explicit	169:16,18
exchange	18:1,7,12,	165:25	185:25	180:18
62:20	23	expensive		182:16
72:23	70:21,22	42:15	explicitly	196:18
73:2,17,18	75:10	· ·	187:4	external
,24 74:4	172:24	130:6	exploit	
123:21	exhibits 3:3	175:21	183:7	228:22
138:5	4:1 5:1	178:3		<b>extra</b> 170:7
139:4,12	13:24	179:15,21	exploiting	221:17
144:2	14:10	180:24	41:4	extracted
exchanging	16:19	189:25	exploration	174:14
174:22	17:22	204:6,18	51:14	1/4:14
	18:18	212:16	52:16	extraordina
exclude	19:4,5	experience	explore 9:23	<b>ily</b> 147:1
88:21		24:5 59:2	_	148:4
excluded	<b>exist</b> 120:7	73:25	explored	extreme 21:
160:7	153:23	99:25	212:3	excreme 21.
	existing	115:25	exploring	extremely
excluding	8:17 28:22	148:10	33:19	79:15
86:15,18,2	55:7 56:24	158:9	105:25	<b>eye</b> 149:7
0 87:5	78:9,22	181:2,12	202:25	180:13
88:23 89:8	80:18	experienced		100.15
excuse 11:2	92:20	27:10,13	explosive	
20:2 78:16	119:15	107:1	171:4	F
132:20	121:10,11,		export 56:13	<b>face</b> 74:15
executed	17 123:20	158:22 181:22	_	86:9
174:24	124:7	101:22	exports	131:10
1/4:24	125:14	experiences	58:12	<b>facil</b> 237:5
executing	126:19	228:9	<b>expose</b> 64:22	
99:11	128:8,9	expire 8:4	_	facilitate
116:2	129:2,9	30:4 33:25	exposed	56:11,18
executive	207:10	60:3 80:18	142:23	facilities
67:3	223:11	121:12	152:1	29:15
			exposes	34:24
exercise	<b>exists</b> 120:5	expires	142:10	116:18
129:22	153:21	28:23	164:16	138:20
exercised	177:11,15	expiry 34:1	evnosina	204:24
			exposing	201.21
	<b>expect</b> 51:11	78.9 22	144 2	
125:14	<b>expect</b> 51:11 66:7 88:24	78:9,22	144:3	facility
		78:9,22  explain 10:12	144:3 express	<b>facility</b> 117:25 138:5

Centra Gas Ma	nitoba - Trans	s. a folciolic	71001.	Page 200 OI
306				
140:3	190:11	<b>fees</b> 42:17	filing 29:3	12:1,19
151:19	193:23	43:2,11,12	65:2	
152:15	203:17	142:6,9	82:22,25	<b>fir</b> 230:15
172:13	206:9	143:22	84:5 85:3	<b>firm</b> 44:10
204:19	212:13,14	144:4	110:16	117:10,11,
<b>fact</b> 16:6	214:15	236:22	195:4	14,20
27:15	<b>fairly</b> 210:5	<b>feet</b> 53:3,4	filings	119:6,9,15
58:16	_	58:6	81:12	120:2,6,8,
105:21	<b>fall</b> 58:15		88:10	12 121:2
107:2	106:23	<b>felt</b> 125:8		149:12
108:10	171:3	130:9	fill 33:6	158:17,20
109:19	fallback	217:18	133:4	159:5
110:20	102:18	<b>FERC</b> 93:17	filled	160:9,18
124:1	falling	94:2	166:12	166:21
148:22	falling 173:6	130:19	£:11:	167:5,11
180:15		211:12,20	<b>filling</b> 237:8	190:4
181:24	Falls 116:22	fields	237:8	191:21
194:3	132:4	206:9,12	filter	198:17
197:25	familiar	200:9,12	174:16	201:9,16 216:1
207:17	92:6,8		<b>fin</b> 71:19	
214:24	98:10	fifteen 51:7		<b>first</b> 53:11
233:1	117:7	185:12	final 35:20	99:22
factor 95:15	Farwell	220:21,22,	64:15	100:15
106:9,11,1	140:5	23,24	71:19	105:1
7 143:3		221:22	83:20	117:9
187:25	favourable	222:5,13,1	112:11 202:14	121:15,17,
239:5	64:24	4		23,25
	106:6	<b>fifth</b> 232:15	finalized	122:17
factoring	<b>fear</b> 20:8	<b>fifty</b> 53:8	9:25 80:2	123:20
58:11	feature	73:11 93:4	finalizing	125:7,14 127:7,19
factors	32:17	163:7	8:18	128:1,5,11
36:10	222:18	236:18	finally	,21 129:22
44:23 85:1			19:17	130:7
94:24	features	fifty-one	65:24	159:12
95:21	31:23	236:11		160:17
108:24	32:3,7,15	figure	finance 23:2	173:25
167:23	126:8,13	176 <b>:</b> 12	financial	177:8
168:24	February	219:23	23:3 27:19	192:25
239:14	6:10 70:12	<b>file</b> 29:1	43:21	193:7
factual	144:22	69:25 84:2	113:1	221:23
191:20	147:16,17	85 <b>:</b> 16	125:8	231:5
fair	152:4	filed	financially	firstly 11:2
73:12,14	155:13		173:17	12:16,24
79:5,24	156:25	4:3,6,9,22		57:24
85:24,25	157:7,24	,24 8:1,21 13:15,22	finding	
88:14	158:22	16:21,23	88:16	fiscal 27:20
127:3	162:12	17:2 18:9	<b>fine</b> 69:13	28:18
145:7	<b>feel</b> 70:25	30:20 65:5		112:8
174:7	152:3	70:7 96:10	<pre>fingertips 87:25</pre>	<b>fit</b> 38:14
180:22	226:24	198:25		231:10
187:13		100.20	finished	
L				

306		J. 4 101010110	, 1-12 12 - 1	1 490 207 02
306				
<b>five</b> 12:12	36:12	72:23	foreseeable	174:7
17:3 51:8	flexibility	focus 232:2	173:14	181:15
62:11 92:5	24:15 32:7	10cus 232.2	foresight	191:3
106:4	35:2	focussed	_	193:10
148:21	44:2,16	64:15	226:7,9,11	194:20
173:17,21	47:23	forbid	,14,15	200:22
182:4	48:13	118:18	237:12,15	206:15
199:14	49:25		forewarned	213:24
209:20,24	55:9,11,19	foreca	10:9	216:12
210:11	59:5 109:1	228:24	form 21:2	224:11,14
211:3	142:19	forecast	35:18 63:7	226:20,24
212:2	215:6	35:15	78:4 240:2	229:1
213:15		57:23,25		forwarded
218:18,19,	flexible	58:1,7,9,1	formations	124:1
24 219:6	42:14	0 82:24	52:16	
220:23	<b>flip</b> 131:7	83:1,19,20	<b>formed</b> 105:5	forward-haul
221:22	133:14	110:23		114:1,5,20
222:5	152:19	113:1,4	<b>former</b> 50:19	Foulkes
224:21	200:20	118:21	forming	23:16
225:9		159:3	180:15	200:21
229:15,19,	<b>float</b> 73:18	173:13	<b>forms</b> 51:5	
22 230:15	<b>flow</b> 56:8,19	174:9	185:1	fourteen
232:4,6,12	115:19	224:9,18		72:2,7
233:24	116:5,21	225:9,13,1	formulate	173:11
237:18	133:19	5 226:21	65:11	174:3
five-ninety-	134:9	227:12,14,	<b>forth</b> 71:13	fracturing
one 153:12	135:19	20 228:4,8	172:21	52:23
	136:5,13,2	229:15		<b>frame</b> 147:4
five-zero	1 137:3	238:1,22	<b>forty</b> 58:2	199:2
190:5	flowed	forecasters	72:24	213:25
<b>fix</b> 173:17	145:18	142:2	173:20	223:7
198:22	168:20	226:25	forty-four	
199:1		228:17,22,	72:3	frames
<b>fixed</b> 8:22	flowing	25 229:15	forty-nine	198:23
	115:3		72:3	<b>free</b> 70:25
10:3 23:19	117:24	forecasting		£
25:3,4 29:17,23	132:3	48:25	forty-three	frequent
32:11 33:6	136:8	229:13	26:15	40:14 148:6
48:11 70:2	137:18,22	238:12	<b>forum</b> 211:15	140:0
71:19 74:7	143:2	forecasts	C	<b>Friday</b> 15:16
81:1 84:17	<b>flows</b> 56:20	83:5 85:18	forward	16:23 17:2
85:20 86:1	87 <b>:</b> 22	174:17,21	35:13	173:19
90:1,3	113:18,22,	218:25	70:14 72:2 77:21 96:9	<b>friend</b> 17:19
94:16	25	221:9	103:15	
98:20	114:5,6,11	227:17	110:7	friends
102:24	,15,20,21	228:16,24	133:25	94:23
118:14	116:12	229:6	134:8	<b>front</b> 149:18
167:24	172:13	foreign	135:3,6,14	frontier
169:23	flow-through	72:23	136:14	51:10
192:14	27:4	73:2,24	152:14	
	I I		T 2 7 • T Z	<b>FT</b> 119:6
flawlessly	fluctuation	74:4	168:11	<b></b> ++9.0

centra Gas Ma	nicopa iran.	s. a forcionic	· rppr	rage 200 OI
306				
FTRAM	206:6	34:4	85:9,10,14	164:9,16,2
117:6,9,18	228:1,18	36:12,17,2	,17	5
119:1,22	229:13	3 37:16	87:12,14	165:1,16,2
120:1	230:14	38:8	88:20	1
		40:14,17,1	89:23	166:5,9,10
fuel 85:9	futures	9,23	91:20 92:4	
140:3	35:14	41:3,10,11	102:11,12,	167:4,9,11
159:25	38:13	,17,20,22	19 103:9	168:14,15,
fuel-related	174:6,19	42:1,5,8,1	106:8,9,10	18,20,23,2
81:9	181:12,13, 20	2,13,20,23	108:2	5
<b>full</b> 71:13	218:19,24	<b>,</b> 25	113:12,21	169:6,7,11
94:5,10	220:16,17,	43:6,8,9,1	115:2	,12,17,20,
142:25	19 221:3,5	3,17,22	116:11,20,	25
217:22	224:14	44:25	21 117:24	170:5,6,20
	225:12	45:5,9,11,	121:14	,23,24
<b>fully</b> 64:17	227:10,15	16 46:4	123:10	171:4,9,21
93:9	232:7,12	47:3,20	124:23	172:12,19
function	232:7,12	48:24	131:2	175:1,7,8,
187 <b>:</b> 5	200.11	49:5,7,16,	132:1,11,1	
188:8		25	2,23	176:7 <b>,</b> 21
235:14,20,	G	50:4,10,13	133:19	178:3,4
25	<b>gain</b> 91:4	,17,20,23,	134:14,24	179:15,16,
functional	163:4	25	135:3,7,8,	
215:19	gained	51:1,4,7,1	11,12,18,1	
	221:17,20	1,15,17,20	9	,17,19,20,
functionalit		, 25	136:1,6,13	
<b>y</b> 217:17	<b>Gantt</b> 124:13	52:1,18,19	,21	181:3
functionaliz	<b>gas</b> 1:6	,21,25	137:3,6	182:8,18,2
ation	3:9,11	53:3,9,18,	138:4,6,10	
215:23	4:15,22	23	,13,24	183:23,25
6	5:11,18	54:15,17,2	139:6,8,12	· · ·
functions	7:5 8:8,24	1,24 55:23 56:4,6,9,1	140:1,2,12 ,17,23	185:11,12,
54:22 183:22	9:1 10:8	2,16,22	141:15	22
103:22	11:7,12,13	57:5,9,25	145:9,10	186:1,11,1
furnaces	,19 12:4	58:8,12	146:12,22	7 187:3,24
134:20	14:18	59:1,8,20	147:1,16,2	190:18
157 <b>:</b> 17	18:4,25	60:9	1,24 148:1	194:25
Furthermore	22:8,17,22	61:9,10,17	149:19,20	198:16
60:25	23:5,13,15 ,21,23	62:2,13	150:3,8,17	201:10
£	,21,23 24:3,5,8,1	63:16 64:8	151:21	207:6,22
<b>future</b>	1,16,18,24	65:1,14,22	152:2,9	208:1,6
110:21	25:4,9	66:5,11	154:12	210:22
111:5 119:22	26:6,9,22,	67:3 69:25	155:19	212:25
130:15	25.0,9,22,	76:2	157:16	216:12,17
138:1	28:2,7,8,9	81:20,22	159:11	218:17
153:24	,18,21	82:11,21,2	160:22,24	222:1
173:15	29:4,7,9	4	161:18,21,	224:17
174:10	30:2,6,8,1	83:1,11,16	23	225:15
175:1	3,16,21	,21	162:17,19,	226:20
191:10,15	31:13	84:3,10,11	22	228:20
193:5	33:17,20	<b>,</b> 17	163:2,5,18	229:13
	,			

306				1490 200 01
		1001		100.1
236:3,5	<b>ly</b> 34:7	106:1	graphically	123:1
237:7	geologic	110:21	177:12	142:23
238:4,7,16	52:15	117:20	graphs	144:3
239:19		122:1	166:21	187:10
240:7	gets 207:24	123:19		237:4,6
<b>gate</b> 87:16	getting	124:8	Grass 9:1	green 62:11
	104:18	131:23	great 9:1	144:21
gathering	115:21	135:25	23:21 24:3	145:3
172:11,16	123:16	142:19	29:9 30:13	146:8
gener 44:6	127:24	143:3	31:5,21	154:12
general	129:14	150:16	33:12,20,2	162:1
28:14,20	133:19	154:8	4 35:25	166:8
45:8 48:4	134:17	158:21	36:9,11,16	223:1
66:8	168:1	165:14	<b>,</b> 17 <b>,</b> 19	<b>C</b> 2.12
84:6,9	gigajoule	173:24	43:1 45:19	<b>Greg</b> 3:13 5:5 17:8
85:15		206:25	46:4,19,25	
88:18 89:5	53:8,10,13 173:20	227:15,20	47:17 48:6	23:6 25:11
92:4	174:2	228:9	56:19 59:1	59:12,22
103:15	174:2	<b>gives</b> 128:8	69 <b>:</b> 25	60:20
174:11	198:15	222:13	76:2 <b>,</b> 8	61:6,14,24
175:13	199:6	233:9	77:12	62:8,17,25
192:11		C1.0	84:17	63:8,18
	gigajoules	giving 61:2	89:23	64:2,10
generally	29:11,13	<b>GJ</b> 140:20	93:22	65:4,18
31:13 36:1	33:2	163:8	113:12,21	66:2
40:16 41:7	139:14,20	<b>GJs</b> 55:17	116:10,20	71:11,23
44:6 45:4	152:23	117:22	121:18	72:6,13,16
83:24	200:25	118:3,5	122:2,17	<b>,</b> 20
138:9	235:9	139:16	123:10,25	73:3,6,14,
172:13	Giraldo-	201:6	124:2,23	20 74:6,13
175:8,11	Gomez		125:24	75:2,14,20
185:11,13	23:14	<b>GLGT</b> 81:2	126:19	<b>,</b> 25
205:5		128:3	127:9	76:9,14,17
208:10	Girouard	132:4	128:15	<b>,</b> 24
generate	1:14 7:14	145:18	130:18,22	77:5,9,13,
41:4 100:6	8:6 9:13	<b>GLGT's</b> 69:25	132:12	16,20,23
227:8	gist		134:22	78:1,11,20 79:2,10,20
	122:13,15	goal 41:13	136:14	80:3,15
generation/		goals 98:3	137:1,2	81:7,19
transmissi	given 10:23	gone 154:9	138:13	82:5,9,14,
on 228:18	15:18 36:4	gone 154:9	139:6	18,23
generically	51:9 59:1	Gosselin	140:1	83:9,14,17
91:15	60:23	1:13 7:10	141:8	,23
	62:23	government	152:22,24	,23 84:13,20,2
gentlemen	66:14	107:24	153:13	64:13,20,2 5
7:4 25:23	73:22 77:4		174:16	85:6,11,16
31:3 48:23	79:12,13	<b>graph</b> 146:1	212:25	,23
54:9 59:14	80:17	147:4	223:12	,23 86:3,9,16,
geographic	82:25	155:6,14	greater	20,22
187:18	87:17	172:23	24:14,21	· ·
geographical	102:1	177:16,18	36:16 37:2	87:2,9,24 88:8,17,23
geographical	104:6	178:2,14	55:22	89:12
			JJ • ZZ	03:12

Centra Gas Ma	iii coba ii aii.	s. a rolliolic	APPI.	rage 270 OI
306				
90:1,7	151:12	80:11	59:4	227:13
105:23		106:22,23	164:24	
128:24	harder 45:4	189:8	174:3	hold 32:22
129:17	harm 151:11	228:20	190:10	98:1
				121:14
203:23	<b>haul</b> 114:6	238:1	204:22	128:6
<b>grid</b> 56:8	133:25	hearings	high-demand	139:25
grips 107:14	134:5,8,12	11:24 57:4	52:3	150:21
grips 107:14	135:3,6,14	62:2	higher 42:17	holding 57:3
group 2:14	136:14	haakina	43:2 46:17	_
11:19,22	138:3	heating		131:6
grown 51:6	139:3	41:25	58:18	164:22
grown 51.0	152:23	heaven	93:22	holds 117:20
growth 51:16	161:12 <b>,</b> 13	118:18	123:16	122:6
171:4	<b>h</b> i 26 1	<b>h 1</b> 4.4 - C	129:24	<b>1</b>
quarantee	having 36:1	heavily 44:6	150:6,9	home
28:3 102:6	41:19	45:12	175:16	56:13,17
20:3 102:0	46:16 47:1	<b>hedge</b> 72:17	177:23	169:20
guarantees	113:22	- 	221:10	hope 114:8
77:3	123:16	height 52:14	237:9	116:25
guess 16:1	150:10	<b>held</b> 1:19	higher-cost	
-	164:16	13:4 31:15	207:2	hopeful
70:17	186:1	34:13		239:25
87:16	189:9	60:14	higher-	hopefully
143:11	219:11	63:25 65:6	priced	21:9
147:24	226:10	106:23	181:5	
149:6,7	227:24	139:9	highest	hoping 79:2
175:23	<b>hear</b> 13:17	220:11	145:16	horizon
181:7	184:24			199:3
218:23	208:15	he'll 12:23	<b>highly</b> 32:23	201:3,14
223:19	200:13	<b>help</b> 24:1	42:6	
227:7	<b>heard</b> 82:16	45 <b>:</b> 14	hindsight	horizontal
	84:19	142:22	110:19,23	52:22
Н	152:6	151:16	148:18	host 65:2
habit 68:10	175:3		154:23	1
	202:22	helped 177:2	134:23	hosted 61:16
half 175:18	215:25	helpful	historic	hour 22:25
hand 41:1	hearing	142:5	173:23	111:9,10
61:3 62:21	4:4,9		historical	113:19
232:25	l ·	helping	136:5	237:19
	7:5,8,13	86:11	148:23	h
hang 213:19	8:9,19	114:10		hours
happen 181:6	9:5,8 10:1	<b>helps</b> 114:9	181:2,12	141:14,16,
	11:1,5,10,	_	historically	22 236:4
happened	17 13:6	Henry	24:11	<b>hub</b> 36:24
50:4 61:12	15:24	183:17,23	56:22	37 <b>:</b> 2
101:11	16:15	184:1,6	113:22	138:23,25
185:21	19:18	187:16,21	134:21	171:18
i	22:13	here's	147:20	172:5,6
happens				
happens	27:24	155:23	148:6	1//:11.15
99:8,9	28:17 29:6	155:23	148:6 158:9	177:11,15 183:13,17,
99:8,9 107:17	28:17 29:6 33:23	he's 23:3,4	158:9	183:13,17,
99:8,9	28:17 29:6 33:23 57:16,17		158:9 164:13	183:13,17, 22,23
99:8,9 107:17	28:17 29:6 33:23	he's 23:3,4	158:9	183:13,17,

elicia Gas Mai	iittoba italis	s. a FOLCIOIIC	y Appr.	rage 2/1 OI
306				
187:7,8,16	ICF 61:10	22:15	178 <b>:</b> 22	important
,21			179:4,14	_
, 41	216:1,5	I'll 7:13		28:11,18
<b>hubs</b> 35:14	217:6,13,2	10:20,23	185:17	37:7 57:12
37:16	5	13:22	195:20	58:14 93:6
53:24	218:6,20,2	22:6,19	196:13	126:7
182:9	5 221:9	69:5 70:21	198:5	141:11
183:12	225:8	73:6 74:3	202:8	impose
184:2,8,11	228:5,7	89:15,19	226:19	100:25
,14,21	229:16	105:21	233:2	
187:21	230:19,22,	111:12	237:16	impression
225:19	23	139:22	imaging	129:8
223:19	233:1,2,20			151:9
humour	236:8	156:20	52:13	improve 32:7
176:19	237:1,11	182:3	immediate	improve 32:
3	•	198:7	23:1	improved
hundred	ICF's	210:10		48:13 59:6
26:12,15	225:9,12,1	227:5	immediately	
29:12	5 237:2	229:10	240:15	improvement
38:20	I'd 7:9	illustrate	imminent	106:16
72:3,24	13:18	192:19	80:19	improvements
73:1,10		192:19		51:13
139:15	31:11	illustrative	<pre>impact 28:13</pre>	
216:24	95:14 99:5	193:2,9	47:14	inaccurate
223:19	117:4	TI 0.14	138:1	142:2
3	124:4	I'm 9:14	169:13	146:1
hurdle	156:4	12:1 16:1	237:14	inadequate
228:11	189:1	22:12,16	i me a a b a d	21:16
hydrates	238:8	59:15	impacted	
51:10	<b>idea</b> 148:20	68:3,11,14	27:8	Inc 1:6 4:22
	230:1	75:2 76:25	153:11	5:9
hydraulic		87 <b>:</b> 25	168:25	11:4,12
52 <b>:</b> 23	ideal 205:20	91:24	impending	12:5 17:22
Hydro 2:4	ideally	92:8,23	106:14	18:3,10
22:12,17	_	95:9 96:20		62:10
23:3 26:10	36:15	103:16	implement	
	ideas 62:21	109:2	37:23 55:2	Inc.'s
28:3,10	: a: 6: . a	111:9	implementati	5:11,18
30:6	identified	114:16	on 84:7	7:5 18:5
105:19	69:21	115:11		19:1
228:16	120:22	119:9	195:9	incidentally
229:19	128:17	122:12	implemented	_
239:19	236:14	123:12	6:18 27:20	220:10
hydrocarbon-	identify		165:15	inclined
bearing	21:7,8	131:11,13	196:6	208:24
52 <b>:</b> 15	122:19	134:17	197:9	
	156:3	135:17,25	200:14	include 8:19
Hydro's		137:19		32:18
229:9	209:19	138:19	implementing	38:17 39:5
	<b>IFRS</b> 27:20	143:12	49:10	47:1 48:11
	000 10 00	151:20	239:23	52:3 84:10
hypothetical	239:12,20,			l
105:9	239:12,20, 23 240:10	152:1,8,24	i1 00 0	116:5
= =	23 240:10	152:1,8,24 155:4,9,11	<pre>imply 99:3</pre>	116:5 120:18
105:9		155:4,9,11	<pre>imply 99:3 import 50:13</pre>	
105:9	23 240:10			120:18

Centra Gas Ma	nitoba - Tran	S. a POLLIOII	o Appi.	Page 2/2 01
306				
215:4	181:15	229:14	157:8	144:18
included 6:9	increase	independent	175:7	149:22
34:10,14	28:16 33:1	21:10	196:2	174:16
60:4	46:9 47:7	21:10	199:16	176:21
		216:19	indicator	182:13
61:8,17	49:24			188:23
73:12	103:24	228:17,25	174:6	195:18
82:21	106:15	229:15	229:2	196:19
103:1	198:20	<b>index</b> 171:22	indifferent	200:9
119:15	increased	172:6	20:18	201:13
120:18	44:1,25	173:1	individual	209:9
156:24	48:13	185:11		211:5,8
157:5	52:23	186:23	89:6	212:3
160:2,7	88:20		130:11	215:1
189:4	107:20	indexed	175:23,24	216:5,11,1
203:3		185:11	181:6	7,23
205:1	increases	186:11	individually	219:24
217:1,19	113:5	<b>indi</b> 171:22	238:25	227:16
219:22	192:16	indicate	industrial	231:18
includes	238:14,15	6:14 13:8	26:18 62:3	232:19
40:22 42:7	increasing	19:3 65:20	87:10	233:21
43:10	192:1	92:18 93:1	238:23	
45:21	200:16	104:20		infrastructu
54:18	increasingly	116:10	industry	<b>re</b> 56:10
55:15	50:18	120:16	52:25	ingredients
103:9	169:19	179:11	172:5	167:8
166:3	109:19	186:21	175:11	
	incremental	196:25	inflicted	inherently
including	43:13	197:4	170:15	181:14
13:10 31:6 34:3 36:13	159:23	223:7		inhibiting
	Inc's 4:15		influenced	53 <b>:</b> 25
37:15,18 40:25	14:18	indicated	39:7	initial
74:15 81:6		13:11	information	25 <b>:</b> 18
	incur 27:13	19:6,16	4:14,18	195:4
82:24 86:16	72:10	23:7 71:8	5:10 <b>,</b> 17	193.4
107:11	incurred	115:12	14:12,17,2	initiated
	27:16	120:5	2 15:2	8:10
108:17,25 148:13	99:11	121:4	17:24	inject
140:13	131:4	176:3	18:4,19,25	223:16
		209:5	21:17,19	
192:16	incurrence	indicates	60:23	injection
income	162:10,25	181:2	61:20	45:13
27:7,11	incurring		62:24 63:2	118:1
103:17	162:13	indicating	64:23	injections
112:9,15,2	<b>inde</b> 21:9	82:11	65:12	32:19,25
5 113:2		88:14	68:22	40:2
incor 7:5	<b>indeed</b> 71:14	168:13	69:1,6,16,	iniosts
	142:1	193:4	20 70:24	injects
incorporate	201:15	210:19	87 <b>:</b> 25	134:15
81:12	208:5	indication	88:11	<b>input</b> 35:11
incorporated	216:16	6:11 84:1	94:23	188:4
17:18	independence	153:20	109:9	214:23
	_	156:25	110:7,25	

225:8	Centra Gas Ma	iii coba ii aii.	s. a folciolic	7.1567.	rage 2/3 Or
inputs 37:15   interception 194:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:14   149:12   133:6   129:12   133:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:23   134:16   134:16   137:10   138:23   134:16   134:18   134:	306				
inputs 37:15   interception 194:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:13   134:14   149:12   133:6   129:12   133:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:6   149:12   70:18   183:23   134:16   134:16   137:10   138:23   134:16   134:18   134:	225.8	146.20	9 20	22.25	75.6 01.17
109:18   134:13   8   129:12   183:6   129:17, 18, 212:12   100:11   100:18   134:13   189:12   100:18   138:23   138:19   138:19   149:12   149:12   139:14   149:12   139:14   149:			·		106.12
199:18	_				
	109:18	134:13	٥	<b>s</b> 19:13	
21   220:2   interconnect   interc	219:17,18,	interconnect	interruption	introductory	
inquiries   interconnect   210:11   involvement   56:20   187:6   18	21 220:2		149:12	_	
Interconnect	inquiries		intersect		238:23
inside   interest   interesting   13:18   13:18   171:19   210:16   113:18   15:10   15:10   175:10	_	interconnect		210.11	involvement
171:19		ions 34:16		Inventan	81:25
insist 227:8 interested intersection 183:18 inventoried 150:10 IRs 153:19 inventories 60:5,16,22 installing 63:6,8 65:7,11 intervening 107:4 183:19 10:17 123:9 139:24 148:7 125:11,12 139:10 150:9 139:24 149:15 150:7 150:9 150:9 150:9 150:9 150:9 150:9 171:25 183:19 150:7 171:25 183:19 150:7 171:25 183:19 150:7 171:25 183:19 150:7 171:25 183:11 180:7 172:6,7 171:25 183:11 180:7 171:25 183:11 180:7 180:180:180:180:180:180:180:180:180:180:		interest	- 1	187:6	TR 70·12
insist 227:8         interested insofar 8:19         interested 6:5;16;22         interested intersection 183:19         inventories 147:10         IRs 153:19         isn't 21:18         28:4         inventory 12:15         isn't 21:18         28:4         inventory 12:15         28:4         22:11         28:4         32:20         13:21         48:11         11         48:17         12:15         13:24         48:17         12:15         13:24         48:17         12:15         13:24         48:17         12:15         13:24         148:17         12:15         13:24         148:17         12:15         13:24         148:17         12:15         13:24         148:17         12:15         148:17         149:15         149:15         149:15         149:15         149:15         149:15         28:11         172:16,7         172:16,7         172:16,7         183:21	171:19			inventoried	
insofar   20:11,12   183:19   147:10   28:4   129:15   139:19   147:10   28:4   129:15   139:19   147:10   28:4   129:15   139:24   149:15   139:24   149:15   139:24   149:15   139:24   183:17   123:19   11:7   150:9   171:25   183:21   150:7   195:22   11:7   150:9   171:25   183:21   166:3   198:1,10,1   13:9   62:1   234:13   226:9   10:25   183:21   166:10   10:25   139:24   11:18,25   187:6   199:11,20   226:9   10:25   183:21   166:10   10:25   139:24   10:25   183:21   166:10   10:25   139:24   10:25   183:21   166:10   10:25   139:24   10:25   139:24   10:25   183:21   166:10   10:25   139:24   10:25   139:24   10:25   139:24   10:25   139:24   10:25   139:24   10:25   139:24   10:25   139:24   10:25   10:2	insist 227:8		114:16		
Second			intersection		IRs 153:19
18119   60:5,16,22   interstate   inventory   129:15   139:24   139:24   147:21   142:24   183:17   123:9   115:7   150:9   171:25   172:6,7   27:23,24   16:3   17:25   183:21   16:6,6   19:21,20   10:25   183:21   16:6,6   19:21,20   10:25   183:21   16:6,6   19:21,20   10:25   183:21   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:6   19:21,20   10:25   18:321   18:516   10:14   10:25   18:25   18:20   10:25   18:321   16:10   10:25   18:320   10:26   18:25   18:320   18:25   18:320   18:215					isn't 21:18
installing	81:19	· · ·		147:10	
115:13	installing			inventorv	
instance         65:7,11         intervening         147:21         142:24           183:17         107:4         57:5,8         148:7         225:11,12           instances         188:11         150:7         150:9         150:9         150:9         171:25         229:11           150:7         195:22         11:7         150:9         171:25         223:24         28:17,19         66:6 98:18         28:17,19         66:6 98:18         183:21         66:6 98:18         16:17,19         66:6 98:18         183:21         66:6 98:18         187:6         189:11,20         28:17,19         66:6 98:18         187:6         199:18         65:8,10         199:18         65:8,10         199:11,20         239:24         199:11,20         239:24         107:4         8:10         199:11,20         239:24         107:4         8:10         199:11,20         239:24         239:24         239:24         239:24         239:24         239:24         239:24         239:24         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         20:24 2:7         2	115:13	· · · · · · · · · · · · · · · · · · ·	8:25	_	
183:17		65:7 <b>,</b> 11	intervening		
183:17   123:9   188:11   150:7   155:22   11:7   150:9   171:25   27:23,24   171:25   172:6,7   28:17,19   16:8,10   10:25   13:9   62:1   234:13   192:11,20   226:9   17:12   17:13   17:13   17:13   17:13   17:14   17:13   17:14   17:			- 1		
188:11	183:17	123:9	·		· · ·
150:7   205:8   interim   Intervenors   172:6,7   28:17,19   28:17,19   66:3   198:1,10,1   13:9   62:1   234:13   226:9   239:24   10:25   34:2   239:24   10:25   34:2   239:24   10:25   34:2   239:24   10:25   34:2   239:24   10:25   34:2   239:24   10:25   34:2   20:24   21:7   20:25   239:24   10:25   34:2   20:24   21:7   20:25   239:24   10:25   34:2   20:24   21:7   20:25   239:24   10:25   34:2   20:24   21:7   20:25   239:24   10:25   34:2   20:24   21:7   20:25   239:24   10:25   23:12   20:25   23:20   20:26	instances	188:11			
205:8         interim         Intervenors         172:6,7         27:23,24           instructs         194:20,22         10:25         183:21         28:17,19           66:3         198:1,10,1         7 199:18         13:9 62:1         187:6         28:17,19           integrated         intermediate         65:8,10         107:4         investigate         239:24           intend         13:13         intervention         investigated         16:10         239:24           intended         1 27:19         21:12         34:2         20:24 21:7           68:21         61:11         34:2         60:17         60:17           85:15         138:23         intra-         invitation         60:17           68:21         61:11         61:25 62:6         62:19         63:20           intending         interpret         172:8         invited         84:11         117:1         62:19           12:24         178:23         36:13 42:7         63:6,9         200:20         200:20           intends         185:10         intra-day         63:17,20         35:20           intention         8:16 72:20         interprets         183:20         73:19         iterative <td>150:7</td> <td>195:22</td> <td>11:7</td> <td></td> <td></td>	150:7	195:22	11:7		
instructs         194:20,22         10:25         183:21         28:17,19           66:3         198:1,10,1         11:18,25         187:6         66:6 98:18           integrated         28:7         intermediate         234:13         226:9           28:7         intermediate         46:7         intervention         investigate         239:24           intended         1 27:19         21:12         34:2         20:24 21:7           68:21         61:11         34:2         20:24 21:7           85:15         138:23         intra-         61:25 62:6         63:20           200:5         239:24         Alberta         61:25 62:6         63:20           intending         112:24         178:23         intra-day         63:6,9         200:20           intends         29:1         234:2         36:13 42:7         63:6,9         200:20           intent         185:10         intra-state         invoice         iterations           intention         85:21         intra-state         invoiced         35:20           8:16 72:20         213:19         intercupt         79:22:16         237:13         it'll 153:23           intentions         159:13         introduc	205:8	interim	Intervenors		-
198:1,10,1   7 199:18   13:9 62:1   234:13   192:11,20   226:9   239:24			10:25	·	
integrated 28:7 intend 13:13 intended 68:21 65:8,10 107:4 8:10 investigate 8:10 investigated 127:19 68:21 65:15 138:23 239:24 intending 112:24 intends 29:1 72:10 interpreting intent 145:12 interprets intention 8:16 72:20 213:19 intentions 13:12 intentions 13:12 intents 147:12 intents 16:10 10:25 21:12 20:24 21:7 234:2 20:24 21:7 234:2 intra-day 61:1,22 63:6,9 200:20 interpreting 128:10 intra-day 61:1,22 63:6,9 200:20 interpreting 128:10 interprets 183:20 73:19 intention 15:10 interprets 183:20 21:12 intenduce interprets 10:13 59:10 interduce interduc		-	11:18,25		
integrated         intermediate         65:8,10         investigate         226:9           intend 13:13         internationa         intervention         investigated         239:24           intended         1 27:19         21:12         34:2         issues 10:16           68:21         61:11         intra-         invitation         60:17           85:15         138:23         intra-         invitation         60:17           200:5         239:24         Alberta         invited         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         61:1,22         117:1           72:10         interpreting         236:13 42:7         invoice         iterations           intent         185:10         intra-state         invoice         182:15           intention         85:21         intra-state         invoiced         182:15           intentions         159:13         introduce         invoid         35:17           213:12         interrupt         7:9 22:16         237:13         it's 19:14           intents         65:16         74:12,16         113:9         10:00ed	66:3		·		· ·
28:7         intermediate 46:7         107:4         investigate 8:10         239:24           intended         internationa         1 27:19         21:12         investigated 34:2         16:10           68:21         61:11         intra- 61:25 62:6         62:19           200:5         239:24         Alberta         invitation 61:25 62:6         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         intra-day         63:6,9         200:20           intent         185:10         intra-state         invoice         iterations           intent         85:21         intra-state         183:20         73:19         iterative           intention         85:21         introduce         237:13         it'11 153:23           intentions         159:13         introduced         12:13         invoked           intents         e 65:16         74:12,16         13:9         20:20 25:6           inter         13:9         introduced         124:8         20:20 25:6           inter         13:9         12:13         13:2	integrated				226:9
intended         internationa         10:25         34:2         16:10           68:21         61:11         34:2         20:24 21:7           85:15         138:23         intra-         60:17         60:17           200:5         239:24         Alberta         61:25 62:6         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         141:2,12         invoice         iterations           intent         185:10         163:17,20         35:20         35:20            interprets         interprets         183:20         73:19         iterations           intention         85:21         183:20         73:19         iterative           213:19         10:13         59:10         237:13         it'I 11 153:23           intentions         159:13         1ntroduced         124:8         20:20 25:6           13:12         interruptibl         20:1         20:1         37:23 39:3           inter         13:9<	28:7		·	_	239:24
intended         international         10:25         34:2         16:10           68:21         61:11         138:23         21:12         34:2         20:24 21:7           85:15         138:23         intra-         invitation         60:17           200:5         239:24         Alberta         61:25 62:6         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         36:13 42:7         63:6,9         200:20           intends 29:1         185:10         interpreting         163:17,20         35:20           intent         185:10         intra-state         183:20         182:15           intention         85:21         introduce         183:20         73:19         iterative           intentions         159:13         59:10         invoid         35:17           intentions         159:13         introduced         124:8         20:20 25:6           147:12         74:12,16         13:9         20:21         28:11           inter 183:20         118:9,11         introducing         215:20	intend 13.13	46:7		8:10	issues 10:16
intended         1         27:19         10:25         34:2         20:24         21:7           85:15         61:11         intra-         invitation         60:17           200:5         239:24         Alberta         61:25 62:6         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         36:13 42:7         63:6,9         200:20           72:10         interpreting         185:10         intooice         iterations           intent         185:10         intra-state         163:17,20         35:20           intention         85:21         intra-state         183:20         73:19         iterative           intention         85:21         introduce         237:13         it'll 153:23           intentions         159:13         introduced         124:8         20:20 25:6           intent         e 65:16         12:13         involve         28:11           intent         74:12,16         113:9         208:1         37:23 39:3           interprets         113:9         12:2         17:28<	Incend 13:13	internationa		investigated	
68:21       61:11       138:23       intra-       60:17         200:5       239:24       Alberta       61:25 62:6       62:19         intending       interpret       172:8       invited       84:11         112:24       178:23       intra-day       61:1,22       117:1         intends 29:1       234:2       36:13 42:7       63:6,9       200:20         intends 29:1       234:2       intra-day       63:6,9       200:20         intent       185:10       intra-state       invoice       iterations         intention       85:21       intra-state       invoiced       182:15         intention       85:21       introduce       invoid       35:17         213:19       interrupt       7:9 22:16       237:13       it'll 153:23         intentions       159:13       introduced       124:8       20:20 25:6         13:12       interruptibl       12:13       12:13       208:1       28:11         intents       e 65:16       74:12,16       113:9       208:1       37:23 39:3         inter 183:20       interoducing       21:2       involved       74:6         intercept       152:2       introduction       11:				=	
138:25			21:12		
200:5         239:24         Alberta         61:25 62:6         63:20           intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends         29:1         234:2         36:13 42:7         63:6,9         200:20           intends         29:1         interpreting         141:2,12         invoice         iterations           intent         185:10         intra-state         invoiced         35:20           intention         85:21         introduce         73:19         iterative           intention         85:21         introduce         237:13         it'll 153:23           intentions         159:13         introduced         124:8         20:20 25:6           intents         e 65:16         74:12,16         12:13         involved         28:11           inter         183:20         18:9,11         21:2         208:1         37:23 39:3           intercept         152:2         introduction         11:13 35:8         74:6	85:15		intra-		
intending         interpret         172:8         invited         84:11           112:24         178:23         36:13 42:7         63:6,9         200:20           intends 29:1         234:2         36:13 42:7         invoice         iterations           72:10         interpreting         185:10         intra-state         invoiced         35:20           intent         185:10         intra-state         180:17,20         35:20           intention         85:21         intra-state         180:19         invoiced         182:15           intention         85:21         introduce         invoid         35:17         itralinterion           213:19         10:13         59:10         237:13         it'll 153:23         it'll 153:23           intentions         159:13         introduced         124:8         20:20 25:6         28:11           13:12         interruptibl         12:13         13:9         208:1         20:20 25:6           147:12         74:12,16         113:9         208:1         37:23 39:3           inter 183:20         118:9,11         21:2         involved         67:18 70:5           intercept         152:2         introduction         11:13 35:8         7	200:5		Alberta	61:25 62:6	
112:24       178:23       intra-day       61:1,22       117:1         intends 29:1       234:2       36:13 42:7       63:6,9       200:20         72:10       interpreting       141:2,12       invoice       iterations         intent       185:10       intra-state       163:17,20       35:20         intention       85:21       intra-state       invoiced       182:15         intention       85:21       introduce       invoid       35:17         intentions       10:13       59:10       invoked       it's 19:14         13:12       interruptibl       12:13       involve 96:2       28:11         intents       65:16       13:9       introduced       208:1       37:23 39:3         147:12       74:12,16       introducing       21:2       involved       74:6         intercept       152:2       introduction       11:13 35:8       75:9 10	intending		172:8	invited	
intends         29:1         178:23         36:13 42:7         63:6,9         200:20           intends         29:1         36:13 42:7         invoice         iterations           intent         185:10         intra-state         invoiced         182:15           intention         85:21         introduce         73:19         iterative           intention         85:21         introduce         237:13         it'll 153:23           intentions         159:13         introduced         124:8         20:20 25:6           intents         e 65:16         13:9         introducing         20:20 25:6           147:12         74:12,16         introducing         208:1         37:23 39:3           inter 183:20         interoducing         21:2         involved         74:6           intercept         152:2         introduction         11:13 35:8         75:9 10	_	=	:	61:1,22	
intends 29:1       234:2       36.13 42.7       invoice       iterations         72:10       interpreting       185:10       intra-state       163:17,20       35:20         intent       185:10       intra-state       invoiced       182:15         intention       85:21       introduce       invoid       35:17         8:16 72:20       interrupt       237:13       it'11 153:23         intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       12:13       involve 96:2       28:11         147:12       74:12,16       113:9       208:1       37:23 39:3         inter 183:20       introducing       21:2       involved       74:6         intercept       152:2       introduction       11:13 35:8       75:9:10				· ·	1
intent         185:10         intra-state         invoiced         182:15           intention         85:21         introduce         invoid         35:20           8:16 72:20         interrupt         73:19         iterative           213:19         interrupt         7:9 22:16         237:13         it'll 153:23           intentions         159:13         introduced         invoked         it's 19:14           13:12         interruptibl         12:13         20:20 25:6           intents         e 65:16         12:13         113:9         208:1         37:23 39:3           147:12         74:12,16         introducing         215:20         41:14         67:18 70:5           intercept         152:2         introduction         11:13 35:8         75:9 10	intends 29:1	234:2			
intent       185:10         145:12       interprets       intra-state       invoiced       182:15         intention       85:21       introduce       invoid       35:17         8:16 72:20       interrupt       7:9 22:16       237:13       it'll 153:23         intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       13:9       208:1       37:23 39:3         inter 183:20       118:9,11       21:2       introducing       21:20       67:18 70:5         intercept       152:2       introduction       11:13 35:8       75:9 10	72:10	interpreting	· ·		
145:12       interprets       intra-state       invoiced       182:15         intention       85:21       introduce       invoid       35:17         8:16 72:20       interrupt       7:9 22:16       237:13       it'll 153:23         intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       12:13       involve 96:2       28:11         147:12       74:12,16       113:9       208:1       37:23 39:3         inter 183:20       118:9,11       21:2       involved       67:18 70:5         intercept       152:2       introduction       11:13 35:8       75:9 10	intent		230:3	163:17,20	
interprets       183:20       73:19       iterative         85:21       introduce       invoid       35:17         213:19       interrupt       7:9 22:16       237:13       it'll 153:23         intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       12:13       involve 96:2       28:11         147:12       74:12,16       113:9       208:1       37:23 39:3         inter 183:20       118:9,11       21:2       involved       67:18 70:5         intercept       152:2       introduction       11:13 35:8       75:9 10			intra-state	invoiced	182:15
8:16 72:20       interrupt       7:9 22:16       237:13       35:17         intentions       159:13       introduced       124:8       it's 19:14         intents       e 65:16       12:13       involve 96:2       28:11         inter 183:20       74:12,16       113:9       208:1       37:23 39:3         intercept       12:13       introducing       21:2       208:1       41:14         intercept       152:2       introduction       11:13 35:8       75:9 10		=	183:20	73:19	iterative
8:16 72:20       interrupt       7:9 22:16       237:13       it'll 153:23         intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       12:13       involve 96:2       28:11         147:12       74:12,16       113:9       208:1       37:23 39:3         inter 183:20       118:9,11       21:2       involved       41:14         intercept       152:2       introduction       11:13 35:8       75:9 10		85 <b>:</b> 21	introduce	invoid	35:17
intentions     10:13     59:10     invoked     it's 19:14       13:12     interruptibl     12:13     113:9     20:20 25:6       intents     65:16     113:9     208:1     37:23 39:3       inter 183:20     118:9,11     117:0ducing     21:2     110:13     11:14       intercept     152:2     introduction     11:13 35:8     75:9 10		interrupt			
intentions       159:13       introduced       124:8       20:20 25:6         intents       e 65:16       12:13       involve       96:2       28:11         147:12       74:12,16       introducing       208:1       37:23 39:3         inter       183:20       118:9,11       21:2       involved       41:14         intercept       152:2       introduction       11:13 35:8       75:9 10	213:19	10:13			153:23
intents     e 65:16     12:13     involve     96:2     28:11       147:12     74:12,16     113:9     208:1     37:23 39:3       inter 183:20     118:9,11     introducing     215:20     41:14       intercept     152:2     introduction     11:13 35:8     75:9 10	intentions	159:13			<b>it's</b> 19:14
intents     e     65:16     113:9     involve     96:2     28:11       147:12     74:12,16     113:9     208:1     37:23 39:3       inter     183:20     118:9,11     21:2     113:2     41:14       intercept     152:2     introduction     11:13 35:8     74:6       75:9 10	13:12	interruntih1		124:8	20:20 25:6
147:12     74:12,16     113:9     208:1     37:23 39:3       inter 183:20     118:9,11     21:2     21:2     11:13 35:8     67:18 70:5       intercept     152:2     introduction     11:13 35:8     75:9 10	intonto			involve 96:2	28:11
inter 183:20			113:9		37:23 39:3
inter 183:20   110.3,11   21:2   involved   67:18 70:5   74:6   75:9 10	14/:12	· ·	introducing		41:14
intercept   120:13   21:2   involved   74:6	<pre>inter 183:20</pre>		- 1		67:18 70:5
-   102.2   Incloduction   11:13 33:6   75.9 10	intercent				
109:0,14,1	Turcercebr		introduction	11:13 35:8	75:9,10
		159:6,12,1			

Centra Gas Ma	iii coba ii aii.	s. a folcioii	o mppi.	rage 2/4 Or
306				
76 <b>:</b> 25	198:18	194:7	38:2,6	8,22
			· ·	
79:17,24	206:23	227:6	39:13	209:5,12,1
82:2 88:14	207:17	June 1:23	40:6,11	6,22,25
89:14	209:13	16:23	41:16,19	210:4,13,1
90:1,4,10	211:1	57:18 <b>,</b> 22	42:21 43:4	8
91:15	213:11,14	61:6	44:5,20	211:7,17,2
107:21	216:24	118:10,15,	45:10	4
108:3	220:15	18 127:18	46:5,14	212:7,14,1
112:10	221:20	195:19,25	47:5,21	7 <b>,</b> 21
113:17,18,	226:24	193:19,23	48:3,7,19	213:1,6,11
19 114:10	227:6,21,2	juxtapose	49:22	,17,20,23
116:14	2 229:3	166:20	121:9,16,2	
119:8,14	231:9		1,24	,21
121:9	235:15,19,		122:4,11,1	215:8,11,1
123:14	25	K	6,23	6
129:11	236:21,23,	<b>Kerr</b> 2:12	123:4,8,14	
130:22	24	11:15	,23	217:4,7,10
135:11,12,		<b>key</b> 31:16,23	124:11,15,	,15
	I've 10:19	36:10		
14 136:3,7	12:13	49:20,23	21,25	218:2,5,8,
138:9	13:9,11	57:18	125:5,10,1	12,17,23
139:11	15:7 <b>,</b> 18	37:10	9	219:10,16,
141:12	19:6 70:20	Kim 2:14	126:6,17,2	25
142:5	72:9	11:22,23	1	220:3,12,1
143:20,23	109:15	kinds 101:12	127:4,10,2	
146:1	151:21,24	KINGS 101:12	2 128:4,23	
148:3		<b>knew</b> 73:5	129:23	222:7,11,1
150:18		190:17	130:2,8,16	5 <b>,</b> 17
153:13	J	217:12	,24	223:5,14,2
156:6	January		131:2,5,13	1
158:25	162:12	knowledge	,18,24	224:2,6,13
159:2,3	JEMLP/	110:24	132:8,14,1	,19,24
164:5,25	· ·	137:17	8,20,25	225:2,6,10
165:16	CENTRA-1-1	158:13	133:5,8,13	
166:11	5:15	190:11	,22	226:3,8
167:4	18:19,23	<b>known</b> 61:9	134:3,6,11	
168:12,13	jeopardize	63:10	,16,21	,17,21
171:15,20,	64:23		135:5,15,2	231:1,9,14
22		90:24 91:15	2	,21
	<b>job</b> 31:13,14			
172:6,10,1	37:23 49:4	120:12	144:13,23	232:2,10,1
6 174:8,9	67:5	146:12	148:2	5,22
175:23	<b>jobs</b> 22:21	169:6	160:5	233:4,7,13
177:2		171:25	203:1,2,8,	,25
179:20	Johnston	210:6	12,16,18	234:2,5,11
181:7	2:14	Kostick 3:14	204:4,11,1	<b>,</b> 20
182:14	11:22,23	5:5 17:9	6	235:1,5,14
183:5,18		23:9 25:12	205:4,10,1	,19
186:21	judgment	30:23	3,17,21,24	236:13,23
187:5	229:10		206:3,10,1	<b>Kurt</b> 7:18
188:7	<b>July</b> 13:5	31:1,9,14	3 <b>,</b> 25	Rult /:10
189:8	61:15	32:1 33:22	207:4,8,15	
193:16	192:25	35:5	,19,25	L
194:19		36:4,8	208:9,13,1	L.P.'s 5:16
	jump 139:22	37 <b>:</b> 7	200.5/15/1	
	L			L

Centra Gas Ma.		s. a folciolic	2 11010 = 1	rage 275 OI
306				
18:24	152:22,24	233:18	167:18	230:2
	153:13		173:9,14	232:1
lack 210:19	212:25	<b>late</b> 106:2	192:20	240:15
ladies 7:3	223:12	236:4	200:3	
25:22 31:3		late-night	213:21	letter
48:22 54:9	landlord	36 <b>:</b> 13	234:9,12,1	232:20
59:13	215:13	141:2,6,10	3 237:25	<b>level</b> 32:16
	language		240:5	57:23
Lafond 1:15	10:9	later 28:16		108:16
7:15 9:14		45:17	<b>leave</b> 128:25	146:21
10:7	<b>lar</b> 169:21	64:12	129:7	217:17
237:22	<b>large</b> 28:5	116:25	<b>leaves</b> 146:7	234:2
239:8	51:24	162:22	154:21	
240:13	62:3,11	<b>latest</b> 200:8	170:6	<b>levels</b> 32:24
<b>Lake</b> 132:5	87 <b>:</b> 10	150.0		48:1
	126:12	<b>latter</b> 152:9	leaving	146:16
Lakes 9:1	138:23	Lavigne	131:19	151:18
23:21 24:3	169:17	240:25	<b>led</b> 50:10,16	191:2
29:9 30:13	172:11,13	<b>9</b> - 171 1		li 210:14
31:6,21	235:24	law 171:1	left-hand	239:20
33:12,20,2		173:3	158:16	
4 35:25	largely	LDC	230:13	liabilities
36:9,11,16	41:24	40:18,20,2	legacy	239:20,21
,18,19	84:23 93:8	1,24 41:11	171:24	240:1
45:19	larger	92:2		<b>Liard</b> 53:5
46:4,19,25	238:23	226:16	legal 22:11	
47:17 48:6		IDG- 42.0	87 <b>:</b> 2	liberty
56:19 59:1	largest 42:9	LDCs 43:8	length 52:13	13:23
69:25	217:4	151:6	109:2	licensed
76:2,8	240:4	<b>lead</b> 22:24	216:25	11:12
77:12	<b>last</b> 12:25	143:6	1 00 00	1: 150 10
84:17	15:15,16	<b>Leader</b> 31:15	less 20:22	<b>lieu</b> 159:19
89:23	16:11 24:6	Leader 31:13	22:14,24	<b>light</b> 46:14
93:23	53:2 58:15	leading	25:3 35:24	53:16
113:12,21	75:7 <b>,</b> 10	31:17	42:14 44:8	111:9
116:11,20	88:20	35:7,21	45:1 53:18	132:10
121:18	104:14	106:12	55:24 93:4	237:19
122:2,18	105:17	107:5	122:6	likelihood
123:10,25	107:1	learned	123:3,5	
124:2,23	112:8	22:10	176:6	162:9
125:25	118:17		179:15	likely 41:12
126:20	129:4	learning	182:5	126:10
127:9	142:4	51:13	227:23	133:7
128:15	161:20	lease	235:3,7	140:5
130:19,22	163:21	213:8,12	lesser	161:12
132:12	177:1,21	•	169:22	174:6
134:23	181:1	leased 213:4		199:19
136:14	185:12	215:14	let's 66:22	206:16
137:1,2	202:23	<b>least</b> 58:18	75:4 81:14	207:8
138:13	204:13	93:3	96:6 123:8	238:14
139:6	236:4	120:16,22	157:15	likewise
140:1		134:25	168:22	77:14 78:8
141:8	<b>lastly</b> 11:18	166:1	188:13	
	68:19		224:7	85:14

centra Gas Ma	III CODA – II ali	S. a POLLIOII	o Appi.	Page 2/6 OI
306				
110:2	58 <b>:</b> 12	42:22	<b>loop</b> 132:5	150 <b>:</b> 25
111:5		91:20	_	153:1,9,15
113:8	list 3:3,4	138:24	<b>Lori</b> 3:15	,22,25
124:22	4:1 5:1		5:5 17:9	154:8,15,2
128:18	6:1	locate 95:11	23:10	2
232:11	13:19,20	located	25:13	155:2,11,1
232;11	15:6 34:19	26:13	54:8,16	6,21 156:8
limited 9:2	89:17	34:10	55:4,12	
11:6 18:18	190:10	115:17	56 <b>:</b> 7	160:21,25
23:22 24:4	205:16	139:1	57:7 <b>,</b> 17	161:4,14,2
29:10	207:13		58:24	4
30:14 76:3	210:11,12	176:23	90:15,21	162:2,8,18
166:24		183:17,19	91:12,18,2	,24
167:5	listed 12:13	205:5	3	163:12,15,
210:14	75:11	207:9	92:8,14,23	19
221:25	184:2	locational	93:5,19,24	164:3,7,20
	lists 98:8	185 <b>:</b> 5	94:3,7,15	165:3,11,2
limits			95:5,13,19	3 166:6
140:19,20,	little 22:21	locations	96:1,11,18	167:1,6,13
23	76:6	169:12		168:2,4,16
line 103:2	104:18	224:17	97:5,20	186:19,24
104:23	143:20	lock-step	98:5,12,25	188:2,7
112:5	204:12	178:18	99:5,15,20	189:10,15,
	<b>lived</b> 126:18	192:15	100:2	23
113:2,6,12		172.13	113:13	190:6,14,2
124:18,20	<b>LNG</b> 58:12	log	114:14	0
128:25	<b>load</b> 42:1	141:20,23	115:4,9,16	191:5,11,2
132:4,13	45:11	logical	,24	3
145:2,5,15	94:24	187:19	116:7,13,1	192:4,18,2
,21		10/:19	6 <b>,</b> 23	4
146:8,20	95:15,21	<b>long</b> 52:20	117:8,19	193:6,12,1
154:7,12,2	106:9,10,1	53:9 88:25	118:20	
0 159:23	7 117:23	136:16	119:4,8,13	8,24
171:10,11	118:2	213:19	,17,23	194:5,10,1
177:9	133:19	234:11,12	120:10,19,	5,21 195:6
178:5	136:22		24	196:4,13
233:19	141:16	longer 47:1	121:6,13	197:2,24
234:4	143:2	58:16 89:6	135:22	198:3,13,2
lines 144:21	148:4	126:20,22	136:20	1
	149:11,20	133:12	137:11,19	199:10,22
145:2,3	150:15	long-run	138:8,19,2	200:10
178:13	158:17,21	54:1	5	201:2,23
223:1,2	159:1,5		139:9,15,1	202:4,8,16
linked	160:7,8,11	long-term	8,22,24	226:22
135:24	161:8	20:13	140:15	lose 44:13
	168:18,19,	40:22 41:2		151:25
liquid 32:24	21	109:23	141:4	101.20
36:23,24	189:19,21	160:23	142:16	loss
48:14	235:22	166:23	143:1,11	27:14,16
53:24 59:7	236:1	167:1,4,10	144:1,6,24	104:20
187:8	238:18	186:11,17	145:4,8,13	112:20
liquidity	239:5	looking-	,20,23	losses 27:17
187:5,8,10		forward	146:6,10,1	TOSSES Z/:1/
	<b>loads</b> 141:23		3,17,24	<b>lot</b> 21:4,13
liquified	local 40:18	167:18,22	147:3	126:7
	10.10			

306 175:12 201:17	143:2			
	143.2			1
		96:13,24	117:21,25	18 30:4
7011 • 1 /	113.2	97:9	118:2,19	33:25 60:3
211:8		98:9,19	134:20,24	65:5 77:22
228:23	M	99:8	135:4,21	80:12,18
228:23 <b>M</b> ā	223:24		·	· '
lots 173:4		100:5,13	136:14,22	112:8
Louisiana ma	ain 239:14	137:22,23	137:7,14	121:12
ma	ainline	159:17	140:13	152:4
51:24 132:22	54:13	manager 49:6	157:23	margin 103:4
	55:20	59:14	161:8	104:1
133:2,11	56:14,23		189:19	108:11
183:17,20	57:4,9,11	managers	193:17,20,	177:25
185:16	61:21	99:13	21 194:25	
low 26:24	76:22	managing	197:21	marginal
28:12	117:12	99:23	201:5	238:19
58:17	164:23		203:5	mark 5:12
173:8,14,2	169:18,23,	mandate	204:24	12:19
2 200:7	25 172:20	30:7,15	205:2,22	18:12
	192:6	Manito 11:3	206:22	108:2
lower 24:12	194:4		207:1,4	170:16
58:7,8,9	198:16	Manitoba	210:22	
89:5	201:18	1:3,6,22	228:16	marked 15:8
123:12	201:18	2:4,10	229:8,19	70:21 75:9
	aintain	4:15,22	238:13,16	133:16
129:21,24	24:1 46:25	5:9,11,14,	239:19	<b>market</b> 24:23
150:5	59:4	16,18 7:5	<b>36</b> 11 - <b>1</b>	30:9 32:23
169:21	128:10	11:3,6,8,1	Manitobans	37:1 40:21
179:6,12	148:8	2 12:5	98:20	41:2,9,21,
199:20	229:14	14:18	102:11	24 42:2
231:15,16		17:22	125:9	44:11
236:14 <b>ma</b>	aintenance	18:3,5,10,	150:18	45:11
238:4	49:23	15,18,24	157 <b>:</b> 17	
l account ma	ajor 20:9	19:1	164:16	46:10
lowered	26:1 50:12	22:11,17	Manitoba's	47:4,6,18
57:24	82:3 85:12	23:3 26:10	42:25	48:2,25
lowest 54:1	20.0	28:2,4,10		49:7
102:7 <b>ma</b>	anage 30:8	29:16	manner 30:11	
145:16	32:24	30:2,6,9	37 <b>:</b> 25	51:3
1	54:24	36:12	60:17	53:7,9
low-risk	97:22,25	37:13 <b>,</b> 20	manufacturin	54:3,21
174:18	126:22	41:9,21,23	<b>g</b> 52:19	56:2,4,9,1
lows 173:11	150:4	42:1,11,19	_	1 59:6
LP 46:4 ma	anaged	43:16	map 131:17	60:9 61:17
HF 40.4	95:11	45:11,24	132:20	81:23
Ltd.'s 5:14	126:25	46:19	134:1	91:4,15,20
18:15	136:2	54:21,24	138:12	92:1 93:11
lunch 111:10	149:10,14	55:20	193:14	100:4
100 11	,	62:3,4,10	Marcellus	109:20
133:24 ma	anagement	82:12	52:4	118:13
	6:5	93:12		134:24
139:13	92:9,25	94:14	March 4:4,23	143:10,14,
140:8,9	93:7	101:1	8:4,21	16
luxury	94:12,17,2	101:1	16:21	149:9,19
140:22	5 95:22		27:2,9,12,	150:3
		115:17		

centra Gas Ma.	iii coba II alli	O · W LOTCIOTI(	~ Thhi.	Page 278 OI
306				
151 <b>:</b> 6	markets	67 <b>:</b> 17	238:9	measure
152:2	24:17 42:8	103:9	240:2	10:10
158:21	45:22			16:13
159:22,24	47:13	mature	maybe 70:11	17:16
161:18,22	48:25	238:13	74:2,3	
163:5	56:16	maximizing	96:6	measures
168:23	169:16,19,	43:16	101:17	227:1
169:7	20 227:10		105:21	mechanism
170:16,23	228:1	maximum	109:17	117:11
173:18		46:20	126:17	120:5,18
174:6,12,1	market's	89:22	127:14	•
3,15,18,19	40:22	93:18	142:25	meet 30:8
181:14,21,	42:11	145:12	148:17	42:24
23	181:15	153:6	152:18	149:19
183:4,7,25	markup 27:5	158:6	156:4	150:15
185:6	102:25	161:2,5	185:19	151:14
187:14		211:21	196:25	189:19,21
206:4	<b>Masi</b> 2:8	223:20	211:21	204:20
207:22	11:5 12:23	may 16:8,14	227 <b>:</b> 5	meeting
216:12,17,	15:16 20:7	19:6,19	229:23	133:19
23 218:18	69:9	34:21	236:11	160:14
226:20,24	match 42:19	43:16	237:23	
227:15,17	46:24 47:1	61:19	<b>MDA</b> 117:22	member
238:13	122:20	68:25 75:3	140:2	1:14,15
239:4	128:8	78:23	201:10	10:7
		79:22		members
marketable	matching	83:20	mean	7:10,14
53:3	43:8	88:10	24:2,15,22	9:13 13:18
market-based	123:13	90:23	25:3 47:3	16:4,14
211:11	material 8:1	91:22	55:10 56:5	20:3
marketer	21:13 71:1	94:3,10	167:25	25:20 <b>,</b> 22
	materials	95:17 98:1	208:20	30:5 31:2
40:19	91:14	99:3,9,18	meaning 90:3	48:22 54:9
41:1,12	213:14	100:6,8	146:21	59:13
91:22 92:2	237:25	101:8	180:16	66:10 75:9
208:1		110:20	205:2	144:16
marketers	mathematical	111:4	222:15	memory
62:3,13	180:4	123:17	meaningful	185:20
99:7,13	<b>matter</b> 12:25	124:10,11	9:22	
marketing	22:13 43:2	126:1		mention
11:13	59:24 60:5	142:8	meaningfully	67:16 68:1
226:25	68:8 70:14	146:1	64:11,18	140:24
	81:1 99:3	148:18	means 107:16	mentioned
marketplace	105:20	162:10	151:20	51:21 72:9
82:12	215:20	168:5	152 <b>:</b> 1	104:4
151:15	227:6	175:6	159:14	113:11
169:13	236:24	182:21,24,	170:17	117:2
171:2	matters 9:4	25	208:20	136:23
174:20,25	19:19	184:14,15	223:16	138:3,12,1
192:7	54:13 61:3	193:1	235:22	3 140:8
227:8	62:21	208:2		148:3,12
228:10,12	63:10,22	209:14	meant 156:14 206:20	149:4
	00.10,22	219:14	200:20	

= = =		. 4 101010110		
306				
189:3	141:20,22	mine 10:23	1 44:23	230:24
mentioning	145:16		45:1 49:14	237:14
13:23	152:25	minimize	170:1	model's
13:23	178:2,24,2	45:3	182:14,19	237:12
mercifully	5 193:25	237:14	212:21	
216:25	231:4,25	minimizes	213:4,19	<b>modest</b> 28:16
merit 23:25	232:2	37 <b>:</b> 12	214:6,10,2	103:17,23,
24:14,21	midst 83:16	38:10,23	2,24	24
25:2	201:14	minimizing	215:10,14,	modification
Meronek 2:7		37:9	17,19,21,2	<b>s</b> 36:14
11:5	midwest	minimum	3	modus 152:10
12:2,17,23	203:6	211 <b>:</b> 21	217:9,11,1	modus 132:10
15:16	204:1		4,17,18,21	molecule
19:9,21,24	mild 26:25	minor 158:19	,23	137:6,13
20:2 22:6	27:13	minus 140:3	218:1,4,14	140:11
69:8 223:1	37:21	157 <b>:</b> 25	219:11,13,	molecules
	million 25:3		16,17,18,2 4 220:2	103:9
Meronek's	26:20,21	minute	221:12	115:22
12:3 19:11	27:1,3,11,	113:19	222:12,13,	132:16
Messrs 69:8	14,18	152:19	18,19	134:9,14,1
met 59:4	29:11,19,2	minutes	224:1,23	8 137:21
149:11	3 30:3	10:21	225:9,18	145:17
	32:12,13	66:14	226:10	163:11
meter 56:18	48:16	182:4,5	230:6,8,20	182:23
115:16	55:17 58:2	188:14	232:13,25	183:2
136:23	72:2,8	222:15	233:5	moment
methane	73:16,21	232:4	235:6	196:22
51:5,9	74:3 81:3	237:18	236:17	
methodologie	85:4 91:11	misspoke	237:11,13	money 91:24
<b>s</b> 49:1	102:23	167:4	modelling	92:21 98:3
	104:2,4,6,	180:22	35:12,13	Monica 1:14
mi 37:21	20,23	233:18	37:6,8	7:14
mic 204:12	112:10,24, 25 113:2	mitigate	38:5	monies 108:1
Michigan		106:14	39:15,16,1	
33:8 34:10	176:6,11 190:5	117:15	7 44:20	monitoring
36:16,22	216:6	142:9	48:25	141:23
45:22 52:5	239:11	143:22	52:15	month
55:25		mitigating	110:10	118:9,15
117:25	millions	142:6	181:14	226:11,12
132:5	43:23		188:5	monthly
135:20	46:21	<b>mo</b> 188:5	216:20	54:19
138:5	mimic 208:4	mode 68:11	217:23	171:11,14
microphone	mind 51:24	model	226:6	172:25
9:9 156:4	88:11	35:18,20	236:25	178:14
	99:18	36:2,5	237:2	months
mid 185:21	158:3	37:8,10,14	238:23	78:9,22
mid-	223:8	,25	models 50:19	79:6,11,15
continent	mindful	38:8,9,11,	108:18	132:1
185:16	10:12	23	109:10	133:20
middle	200:19	39:4,6,7,2	181:9	135:19
			218:7	

		J. G POPOPOPE		iage 200 of
306				
175:15,16,	211:22	20	240:6	47:5,21
22 202:10		52:1,18,25		48:7
228:1	moves 100:25	53:9,18,23	neglected	121:16,24
220:1	moving 70:14	54:24	67 <b>:</b> 15	
month-to	85:10		negotiate	122:11,23
226:10		56:4,6,9,1	_	123:4,14,2
	130:25	2 57:9,25	64:24	3
morning 7:3	131:1	58:12 59:8	127:17	124:15,21,
9:13 15:14	136:1,4	60:9	130:10	25
20:3,4	152:2	61:9,17	negotiated	125:5,10,1
22:10,25	200:3	62:2,13	20:14	9 126:6,21
25:23 31:2	206:15	88:20	38:19	127:4,10,2
48:21 54:8	238:7	102:11	122:7	2 128:4,23
59:12	239:11	134:13	125:20	129:23
66:24	multiple	137:6	126:12	130:8,16,2
67:18,21,2	52:22	138:24	127:21	4
2 112:6		157:16	128:15	131:5,13,1
113:8	myself 7:9	168:25		8,24
115:11	12:17,24	169:17	222:21,22	132:8,14,1
143:16,17	13:14	170:20,24	negotiating	8,25
195:14	190:6	172:14,16	31:19	133:5,8,13
199:17		175:1,11	49:19	,22
215:25		182:8	123:21	134:3,6,11
237:21	N	183:23		,16,21
239:10	narrowed	216:12,17	negotiation	135:5,15
240:16	210:12	225:15	35:19	160:5
	Natalia	229:13	64:13	
mostly 85:8	23:14		126:9	203:1,8,12
motive 101:6		238:7,16	negotiations	,16
	National	<pre>nature 65:9</pre>	28:25	204:4,16
move 30:19	57:2 <b>,</b> 15	82:25	33:19 35:8	205:4,10,1
31:10 48:4	82:17	219:3	37:19	3,11,24
49:3 73:1	119:20		64:16,18,2	206:3,10,1
111:9	120:17,25	<b>NEB</b> 57:17	0 79:8	3,23
115:22	189:8	necessarily	80:16	207:8,15,1
129:11	198:5,9,19	16:4	122:1	9 <b>,</b> 25
134:24	200:1	107:12		208:13,18,
140:4	211:18	128:6	125:4	22
152:14	natural 8:24	137 <b>:</b> 7	neighbourhoo	209:5,16,2
161:5,18,2		150:20	<b>d</b> 86:23	2,25
1 178:18	11:19	170:11	88:1	210:4,13,1
194:24	26:5,24	180:2	Na:1 2.14	8 211:7,24
199:12	27:3	184:9	Neil 3:14	212:7,14,1
204:11	30:2,8	214:1	5:5 17:8	7,21
210:22	34:4 36:23	222:24	23:9 25:12	213:1,6,11
224:7	38:8		31:1,14	,17,20,23
237:17	40:17,19,2	236:23	32:1 33:22	214:9,21
	3 41:10,22	necessary	35:5 36:8	215:8,11,1
moved 56:22	42:1,8,19	45:1 113:6	37:7 38:6	6
81:21	45:11	negative	39:13	216:3,8,16
113:22	48:24	negative	40:11	217:4,10,1
movement	49:25	27:22	41:19 43:4	5
	50:4,9,13,	28:13	44:5,20	218:2,5,8,
113:25	17,20	112:9,21	45:10	12,17,23
135:11	51:1,4,17,	239:11	46:5,14	14,11,43
	, -, /		,	

Centra Gas Ma	iii coba ii aii	5. & FOLCIOII	O WDDT.	rage 201 OI
306				
219:16,25	202:6,9	61:18	106:20	35:21 46:8
· ·	· ·			
220:3,12,1	236:4	115:23	115:2	126:8,13
5	Nola 2:10	134:24	136:8	219:1
221:15,20	11:8	135:21	161:9	228:17
222:7,11,1	1000	170:20	166:10	obtaining
7	nom 136:6	171:4	176:4	65:8
223:5,14,2	140:10	182:9	<b>Nova</b> 171:25	
1	nominate	204:1,18	172:6,7	obviously
224:2,13,1	42:5	northeast	183:21	79:14
9,24	140:23	52:4 56:12	187:6	80:19
225:2,6,10	142:3			81:11
,14,20	202:1	northeastern	November	140:21
226:3,8	236:2	169:19	83:12	221:7
230:7,12,1	230.2	northern	84:6,7	occasion
7,21	nomination	53 <b>:</b> 5	162:11	182:23
231:1,9,14	135:23	135:20	165:22	102:23
,21	141:6,10,1	133:20	186:18	occasions
232:10,15,	2,24	northwestern	201:4,19	53:13
22	201:25	172:20	·	occur 40:12
233:4,7,13	236:4		Nowhere	
,25		notable	223:3	133:7
234:5,11,2	nominations	15:20 50:7	np	239:14
0 235:5,19	24:19	51:8	2:10,12,14	occurred
	140:9,16	Notably 10:4		106:4
236:13,23	141:1	_	<b>null</b> 56:19	134:25
neither	144:5	<b>note</b> 16:11	113:10,14	148:23
162:24	none	17:12	114:1,8,12	
191:15	77:5,7,14	93:15	<b>,</b> 17 <b>,</b> 22	occurrence
net 6:4	nonetheless	noted 9:16	Numeral	124:3
27:7,11,14		60:21 87:4	95:10,11	151:1
,16,17	226:15	134:22	·	October
96:13,24	<b>nor</b> 137:17	171:16	numerical	28:23
1		116 05	230:6	83:13
97:9	norm 20:21	<b>notes</b> 116:25	numerous	131:9,22
103:17	normal	nothing 20:5	50:10	202:15
112:9,15,2	40:8,9,12	185:6	****	
5 113:2	104:10	+: 4 2 0		<b>odds</b> 20:23
114:6	109:23	notice 4:3,8		<b>offer</b> 97:18
238:19		13:24 14:4	objective	122:5,18,2
netted	normalized	61:25	94:15	0
114:11	113:3	<pre>noting 39:3</pre>	101:21	123:1,13,1
	normally		152 <b>:</b> 7	8 211:10
newcomers	105:9	notion 152:5	objectives	
10:8		notional	=	offered
newly 16:4	normal-	113:17	50 <b>:</b> 6	57 <b>:</b> 22
_	weather	114:5,12	obligation	119:2
newspapers	65:23	115:8	153:5	159:18
13:25	north 11:11	135:11	obtain 78:4	192:17
<b>ni</b> 165:6	36:25 42:3	138:3		offering
	48:24	139:3	obtainable	191:10
Niagara	50:4,11	161:12	126:10,11	
56:14	56:4,6,8	171:18	obtained	offerings
night	57:24 60:9		21:18,19	191:1
141:21,23	37.21 00.9	notionally	21,10,17	

Centra Gas Ma.	nitoba - Trans	s. & POLLIOIIO	y Abbr.	Page 282 01
306				
<b>office</b> 96:19	141:3	143:19	182 <b>:</b> 15	61:9,18
144:17		210:19	216:13	64:15
	opening	210.19	221:4,11	79:19
officer 23:3	3:6,8,9	operators	232:13,16	102:22
offset	10:22	34:14,18,1	236:6	105:25
163:17	12:1,3,6,7	9 35:7		184:3,8,10
238:15	19:9,11,12	210:5,7	optimization	189:19
230.13	,21 20:1	211:3,9,10	35:12	202:21,24
offsetting	22:8 50:10	operator's	97:23	· ·
100:9	67 <b>:</b> 16	34:22,24	optimize	203:3,10,1
<b>oh</b> 139:19	103:14	151:17	54:17 55:6	5,19,25
011 137.17	112:7	131:17		204:1,8
oil 52:21	140:25	opinion	101:7	205:1,6
207:6,10	175:4	174:17,18,	128:20	208:11,17,
<b>okay</b> 75:4		25 227 <b>:</b> 7	optimizes	19,25
85:21	operandi	228:5	37:9	209:19
86:25	152:10			212:2
97:15	operate 43:8	opportunitie	optimizing	213:3
104:24	54:17 55:5	<b>s</b> 62:20	54:23	<b>oral</b> 7:4
		89:4	143:24	8:19 9:7
116:24	operated	opportunity	144:8	11:10,24
168:3,7	223:6,10	9:22 22:3	optimum	13:16 21:3
179:17	operating	25:24	231:6	22:2
223:18	7:21 36:18	55:22	232:8,21	-
230:2	43:20	60:16,23	233:9,15	<b>order</b> 4:10
Oklahoma	55:9,11	62:23 63:1	235:3	8:7 <b>,</b> 13
51:23	81:8	79:17		9:5,21
132:21		93:10	option	13:2,3
133:2,11	operation	117:15	24:22,24	14:5,7
185:17,21	28:7 49:14	118:12	34:12	27:14
·	54:11	143:15,21	36:9,25	49:14
<b>old</b> 195:21	76:22	182:17	40:1 64:5	60:7 <b>,</b> 21
on-average	131:20,22	201:18	162:19	65:25
175:14	operational	201:10	184:7	71:9,12,17
	24:15 34:8	opposed	189:25	78:13 79:3
one's 121:1	44:1 48:13	20:11,21	190:11,25	88:15
one-third	49:24	104:15	202:22	104:25
193:22	78:18	121:4	203:4,5,6,	148:8
	105:13	130:11	7 204:19	150:4
ongoing 35:8	186:3	158:24	207:2	151:14
47:14		164:11	209:7	159:20
64:16	operationali	168:19,21	210:24	189:3
119:21	<b>ze</b> 79:14	202:21	212:11,16,	202:10
on-hand	operations	214:7,23	19,20,23,2	216:19
88:10	25:25	236:12	4 230:16	221:23
Ontario	27:16 33:3	opposite	233:22	
	57:13	179:9	234:20	ordering
34:11	131:9	180:6	237:6	140:16
138:24	133:11,18		optional	orders 16:8
onto 135:7	133:11,16	199:23	=	171:8
1	134.4	optimal 98:2	218:10	
onon 15.6	125.10	- '		
open 15:6	135:18	109:6	options 8:11	originally
<pre>open 15:6   60:17 68:2   99:6 110:1</pre>	135:18 152:20		<pre>options 8:11 9:23 33:18</pre>	originally 58:15,19

Centra Gas Ma.	iii coba ii aii.	s. a FOLCIOII	3 11PP - •	rage 200 Or
306				
144:18,23	<b>owned</b> 76:18	7:10,16	223 <b>:</b> 6	215:10
164:10	70.10	8:7 9:13	231:11	
167:10		12:18	233:16	past
185:23	P	17:3,6	234:9	27:11,15
. 1. 2	<b>p.m</b> 111:20	19:14 20:4		50:5
otherwise	141:13	22:19	particularly	•
24:8 131:4	188:17,18	25:7,9,20	66:4	59:2 62:1
<pre>ought 64:3</pre>	240:20	30:20	parties	100:19 107:15
ourselves	package	48:20 54:7	13:20,23	135:1
100:6	125:19	59:11	20:12	145:18
124:8	126:12	66:10,24	33:22	175:13
148:19	130:10	67:4 68:1	60:5,16,23	181:23
	<b>page</b> 3:2 4:2	70:19	62:16,23	191:22
outcome 47:7	5:2 6:2	189:2	63:6,9,13,	225:4
78:24 98:6	15:21,25	240:18	15 <b>,</b> 19	228:10
171:2	16:2	panel-mates	65:8 <b>,</b> 11	238:2,3
outcomes	75:7,10,11	215:5	69:21	l ·
37:24 48:9	131:11		91:16	<b>path</b> 45:24
	133:15,16	<b>paper</b> 10:20	107:4	152:3
outline	138:12	15:13	120:16,21	204:6
10:20	144:15,20	60:8,15	128:3	paths 189:17
12:13,25	148:13	61:8,15	151:12	_
19:16	152:24,25	parallel	206:16	pattern
30:24	154:2,3	178:18	209:6	136:5
outlined	155:6		210:15	patterns
135:23	158:10	parameters	212:1,5	50:17 56:8
output	165:5,7,12	182:19	216:19	170:20
219 <b>:</b> 19	166:7,14,2	pardon 7:22	219:12	238:2
230:6	2 167:7	_	227:7,10,1	
	168:12	parent 77:1	1	<b>Paul</b> 2:12
outputs	177:1,3,8,	partial	<b>partly</b> 204:2	<b>PAUSE</b> 74:19
215:15	18 178:3	67:19		80:6 94:19
outside	183:10	participants	Partnership	95:3,24
148:10	230:5,10	9:6 62:18	9:2 11:7	96:16 97:3
164:19	232:25	63:4	18:18	98:23
		170:16	23:22 24:4	101:15
outsourcing	pages 1:24	181:21	29:10	105:15
100:16	131:10		30:14 76:3	118:25
outweigh	166:7	participatin	<b>party</b> 20:12	122:9
184:11	196:16	<b>g</b> 22:1	63:2 90:14	125:17
overall	216:25	particular	100:14	126:4
102:21	<b>paid</b> 41:14	40:21 41:8	101:6	136:18
102:21	81:2 89:23	47:6,20	122:18,21	137:9
TO3:T	93:17	64:9 65:17	123:1,9	138:17
overlay	94:10	83:12	128:18	142:14
229:10	150:2	128:13	139:7	144:10
overview	163:17	132:19	151:11	149:24
25:25 26:9		176:10	206:23	150:23
71:7	<b>pain</b> 170:15	180:25	207:17	164:1
	<b>paint</b> 191:17	183:16	208:6	182:1
owed	<b>panel</b> 1:12	187:11	209:15,17	202:18
43:13,18	3:11 5:3	213:24	210:17,23	209:3
	3.11 3.3			

Celicia Gas Ma	III CONG II GIII	s. a folciolic	o iippi.	rage 204 OI
306				
214:13	161:25	200:3,8,11	174:4	220:9,18,2
220:5	162:2,4,15	,17	175:17	0
224:4		· ·		· ·
	163:1,6	223:19,25	178:9	221:3,5,8,
227:3	167:19,23	234:10,13	179:10	17,21,23
234:23	penalties	percentage	186:5	222:2,4
235:11	43:7,21,24	73:1	224:21	223:4,8,17
<b>pay</b> 86:1,6	102:20		periodically	232:4,8,14
90:4,5	144:4	percentages	99:8	,17
102:19		65:16		233:10,14,
123:16	penalty	168:5	periods	22 <b>,</b> 23
142:6,9	43:2,10,11	percentage-	123:25	Peters 2:2
159:21	people 7:15	wise 93:2	174:10	3:18 7:19
162:21,22			175:1	9:9,11,12,
163:10	<b>per</b> 25:4	perception	179:22	14
169:20	29:11,13,2	62:15	<b>permit</b> 79:17	14:10,20
194:24	4 30:3	perfect	136:24	15:5,12
	32:13,20	110:24		17:12
payers 32:11	33:2	226:6,9,11	<pre>person 23:4</pre>	
paying	38:21,22	,14,15	personal	18:7,17
20:15,18	43:24	237:12,15	68:15	19:3,24
43:2 73:21	48:16			21:23
	53:8,13	perform	perspective	66:22,23
81:11	58:2,7	39:14	21:10	67:1,2,8,1
91:11	86:7	performed	49:20	1,14,23
93:22	108:12	44:21	54:23	68:8,19
106:9	113:2	216:21	78:18	69:15,24
118:15	117:22		109:4	70:5,10,17
123:12	139:18	performing	137:23	71:6,16,24
172:25	163:8	54:22	142:16	72:7,14,17
187:13	173:20	perhaps	151:18,22	<b>,</b> 22
198:15	193:3	45:11 71:7	238:12	73:5,9,15
222:5	201:6	74:12 88:3		74:2,7,21
payment	235:8,9	100:20	perspectives	75:4,16,21
163:2		113:15	40:17	76:4,10,15
	percent		petajoule	<b>,</b> 20
payments	26:16 33:5	121:9	38:22	77:2,7,10,
73:22	35:24	129:20		14,17,21,2
<b>pays</b> 25:5	40:13	151:17	petajoules	4
119:7	48:15	155:5	29:11	78:8,17,21
	58:18 93:3	176:6	32:17,18	79:5,16,24
<b>PDF</b> 15:22	95:16 <b>,</b> 17	182:4	38:3,14,16	80:8,25
<b>peak</b> 157:19	106:9,10	196:11	39:2 40:5	81:14
158:8,11,1	143:2	200:5	44:18 45:2	82:1,7,10,
7 160:12	151:19,25	period 10:5	55:17	15 <b>,</b> 19
162:10,13	152:13	58:8 73:25	86:6,7,13,	83:6,10,14
	153:4	74:1 83:5	24 87:1	,15,18,25
peak-day	175:16,22	88:10,25	88:1 133:4	84:4,8,15,
158:20	177:22,25	89:6 90:2	145:11,22	22
159:5,16	180:3,8,24	91:3	148:15	85:2,8,13,
160:6	181:4,22	106:5,12	149:5,8	19,25
165:7,13	189:21	116:15	154:6,19,2	86:5,11,18
166:1	190:3	124:5,7	5	,21,25
peaking	199:20	143:8	155:1,9,19	87:4,9,20
peaking	, , , = ,	140:0	156:1	0/:4,9,20

Centra Gas Ma	nitoba - Trans	· a FOICIOIIC	y Abbr.	Page 285 OI
306				
88:3,13,18	4,25	159:4,9	4	224:6,16,2
89:7,14	123:7,19	160:2,13,2	192:11,19	0,25
90:3,9,16,	124:10,16,	2	193:1,7,13	225:3,7,11
17,21	22	161:1,7,19	,19,25	,16,22
91:7,13,19	125:1,6,11	,25	194:6,11,1	226:5,18,2
92:3,11,17	126:16,24	162:4,14,2	7 195:2,23	
93:1,14,20	127:6,14,2	1	196:9,14,2	229:5,18,2
94:1,4,8,9	3	163:9,14,1	4	3
,21	128:18,24	6,21	197:18,19,	230:2,9,13
95:6,7,14,	129:13,19	164:4,5,14	25	,18,22
20	130:1,13,2	,25	198:4,14	231:2,12,1
96:2,4,12,	1,25	165:4,19,2	199:4,15	6
20,22	131:7,14,1	4 166:19	200:4,18	232:1,11,1
97:14,15,2	9,25	167:3,7	201:21	8,24
4 98:7,13	132:9,15,1	168:9,10,2	202:2,5,13	233:6,17
99:1,2,12,	9	2	,20	234:1,6,16
17,24	133:1,6,9,	169:3,4,10	203:2,9,13	,25 235:13
100:11,12	14,23	170:4,10,2	,17,24	236:8,20
101:2,17,2	134:4,7,12	2	204:10,25	237:16
5	<b>,</b> 17	171:6,14,2	205:7,11,1	PHC
102:8,14,2	135:2,13,1	4 172:22	4,20	
3	6 136:11	173:3,8,13	206:1,7,11	4:5,6,9,23
103:4,7,13	137:5,12,1	,22	,19	,24
, 25	5	174:5,11	207:3,12,1	phenomena
104:8,12,1	138:2,10,2	175:2	6,20	186:1,4,9
7,24	2	176:1,13,1	208:8,15,1	<b>phone</b> 210:3
105:7,17	139:2,11,1	8 <b>,</b> 25	9,23	_
107:7	7,19,23	177:7 <b>,</b> 20	209:11,18,	phonetic
108:4,10,1	140:7,24	178:1,12,1	23	188:9
5,22,23	142:8,21	7,22	210:2,10,1	<b>phys</b> 134:7
109:8,14	143:5,23	179:4,13,1	4,25	
110:3,9,18	144:2,12	9,24	211:16,25	physical
111:1,8,16	145:1,5,10	180:10,21	212:8,15,1	56:15,20
,24,25	,14,21,25	181:8	8,23	59:7
112:3,4,13	146:7,11,1	182:3,13,2	213:2,7,13	113:16,18
,18	4,18,25	0 <b>,</b> 25	,18,21	114:11,15 115:19
113:7,14	147:5,14,2	183:1,9,16	214:3,15	116:11
114:9,10,2	2 148:11	184:1,13,1	215:3,9,12	132:15
4	149:2,17	7	<b>,</b> 25	134:9
115:5,10,2	150:13	185:9,15,1	216:4,10,2	135:11
0	152:17	9	2	184:9
116:4,9,14	153:2,14,1	186:10,14,	217:6,12,2	186:1
,19,24	7,23	20	5	187:19
117:9,17	154:1,11,1	187:1,5,15	218:3,6,9,	208:3
118:16,23	6,24	,23	13,21	
119:1,5,11	155:3,13,1	188:4,10,1	219:10,20	physically
,14,18	8,23	5,20,25	220:1,7,13	57:9 86:2
120:4,14,2	156:12,17,	189:1,11,1	221:12,16	115:2,22
0	22	8	222:3,8,12	116:21
121:3,7,14	157:13,14	190:1,8,9,	,23	134:19,24
,20 122.2 11 1	158:2,10,1	15,22	223:11,18,	135:19
122:3,11,1	5,16,24	191:7,19,2	22	136:1,4,7,

Centra Gas Ma	nicopa ilane	s. a FOLCIOIIC	3 11PP - •	rage 200 OI
306				
13,21	204:2,16,1	33:17 38:2	135:7,8	Portage 1:21
137:3,18	7 205:12	40:7 43:3	136:7	
172:16	211:19	46:2 48:19	137:2,4	portfolio
207:3,7	211:19	49:4	137:2,4	1:7 7:6
207:3,7	pipelines			8:2,14
<pre>pick 187:22</pre>	34:16	50:3,23	142:21	23:25
picked 210:2	50:18 56:6	52:7 53:15	143:17	31:18,24
picked 210:2	84:24 85:9	57:14	148:20	32:2,4,6,1
picture	87:16	59:10 64:7	155:9,14,1	2,15 34:9
124:3	114:4,19	66:15	5,18	35 <b>:</b> 2
191:17	132:16	96:22	156:5,25	36:1,7,9,1
161 17	136:3	139:23	157 <b>:</b> 7	9,25
<b>piece</b> 161:17	137:18,25	188:14	168:10	37:8,10,12
pieces	172:9	pleased	171:19	,23
126:14	210:22	25:24 46:6	172:7,14,1	38:4,24
130:11		58:25	5 174:14	39:11,20,2
	pipeline's		176:11	
<b>pipe</b> 43:6	61:20	plotted	178:2	5 44:3,7
114:8,18	Pipelines	179:1	179:7	45:3,21
151:2	29:16	183:12	183:21	46:22
pipeline	29:10	<b>plug</b> 113:5	185:7,23	47:8,9,12
8:25 23:20	<b>PJs</b> 151:19	prug 113.3	187:7,11,2	49:15,19
24:3 29:9	placed 37:1	<b>plus</b> 213:15	0 188:11	53:22
30:13	68:23	point 6:10	201:3	54:11,17,1
42:17,24	00:23	_	204:9	9,23
43:3,5,22	places 46:16	15:20	206:5	55:7,8,15
46:3 54:25	182:23	32:20 37:7	208:2	58:23
56:8,21	<b>plan</b> 23:20	56:19,20	217:8	59:3 <b>,</b> 8
57:16 76:1	40:24	58:14	220:7,22,2	61:9 63:17
		59:21	3,24	65:20
81:6,15,17	148:3	71:18 73:1		90:19
,21,24	238:20	74:5 81:4	221:22,24	92:20 96:8
82:20	planned	87:4 89:13	222:5,13,1	100:7
113:16,17,	49:14	98:16	4	101:8
23,25	217:8	106:18	223:16,19	108:19
114:1,16,2		107:8	234:16	109:5,16
3	planning	109:15,19	<b>points</b> 56:13	
115:12,15	53:19	110:1	67:24 73:1	111:3,4
116:6,12	54:19	112:14	127:20	126:9,15,2
117:1,13	151:22	113:11,14,	135:12	3,25
119:3	158:5	16,17,18	150:10	127:18
123:11	201:3,14	114:2,6,7,	166:19	128:14,21
131:3	228:18	8,12,15,17	172:4	130:5,11,1
135:8,9	229:8,9	,22,25	173:12	3 133:12
139:5,12	238:18	115:1	177:17	135:3,25
142:7,9	<b>plans</b> 200:24	116:17	178:4	137:22,23
151:4,7,12	239:1	119:14	179:6	143:24
153:13		120:15	188:8	153:24
170:6,18	<b>plant</b> 87:16	121:4,5	190:22	160:3
172:19	please 10:13	126:6		164:17,19
183:20	16:18	127:13	<b>policy</b> 67:11	164:17,19
189:7,13,2	19:17	132:6	108:16	
1 190:3,19	30:24	133:9	<b>port</b> 96:8	176:5
191:1,3,9	31:22	134:14,15	<b>PULU</b> 50.0	182:7,15,1
	V1.22			7 216:14
	-			

Centra Gas Ma	ni coda i i and	s. a folcionic	11221	rage 207 OI
306				
217:24	50:2 60:17	225:24	17:13 55:8	37:15
217.24	78:7	223.24	17.13 33.0	
		pre-	preproductio	38:8,12,15
219:9	124:18	contracted	<b>n</b> 52:14	41:5,6
223:6,9	141:19	164:4		45:18 54:3
231:6,10	177:11		presence	57:25 58:9
235:3	184:11	predecessor	83:3	64:25
238:10	209:14	105:24	present	102:15
portfolios	possibly	106:20	117:21	110:2
39:22	88:9	predict	209:6	122:6
47:15		22:12		123:12,16
	<b>post</b> 15:19		presentation	125:21
portion 9:8	<b>posted</b> 15:23	predicted	192:23	129:21,25
11:10,16,2	_	37 <b>:</b> 22	presented	130:14
4 57:1	potential	predominant	58:19	150:18
81:22	53:4 98:6	171:21	195:7	170:23
85:15	123:15		203:10	171:21 <b>,</b> 22
91:2,5	134:23	preferred		172:6,18
94:16	137:13,16	10:3	presently	173:1,5,18
116:12	210:7	108:18	13:7 83:16	,19,23
235:24	238:5	110:19	169:6	174:13
portions	potentially	164:16	189:9	177:10,14
92:4	40:13	212:24	194:18	178:7 <b>,</b> 15
92:4	42:14	pre-filed	206:20	179:1
posed 17:24	43:23	18:8	pressing	180:15
18:20	151:11	98:8,14	80:19	181:13,16,
21:16	151:11 152:2	176:2		20 182:8
144:17	204:8,22		presumably	183:7,22,2
position	204:0,22	pre-hearing	138:6	4 185:6
27:22	Power	9:4	<pre>pretty 87:3</pre>	186:7
*	240:7,8,10	prejudge	152:3	187:9,14
31:15 84:2	practically	206:5		188:8
102:18	78:6		prevailing	190:4
119:22	70:0	prejudicing	51:3	212:20
130:5	<b>Pre</b> 4:3	64:15	159:22,24	218:16,18,
174:8	pre-1993	preliminary	previous	25
227:24	190:17	67:24	55:14	219:2,6,9
239:12			77:11	219:2,6,9
240:6	pre-ask 6:9	premise 47:6	83:5,21	
positioned	154:3	191:12	171:7	224:11,14, 20
136:21	156:24	premium	181:5	
	157:5	163:5,8		225:8,17,2
positioning	pre-asked	181:19	previously	5 226:1,20
187:19	17:15,17		50:9,13	227:11,15,
positions	144:16	prepare	51:21 52:1	20
61:2 63:9		177:3	166:3	228:4,16
68:15	precedent	prepared	169:16	229:1
	105:4	16:7	194:8	230:19
positive	precise	102:19	206:17	231:11
59:2	168:17	124:14	<b>pri</b> 187:18	232:7,16
112:20,25		177:6	226:11	233:3,5,12
possibility	precisely	191:8		,16,20,24
123:15	144:7		<b>price</b> 26:22	236:17
	precision	preparing	35:13,15	237:3
possible	F-10101011			

Centra Gas Ma	nitoba - Trans	S. & FOILIOII	APPI.	Page 288 OI
306				
priced	147:15,21	111:23	220:17	209:20
184:14	160:24		226:13	
186:22	164:9	proceeding		proper 172:5
	165:1	30:15	produced	properly
prices 24:11	166:23	57:6,8	39:21	131:10
26:25	167:4,11	196:17,21	169:12	proponent
35:14	171:9	proceedings	220:17,19	232:19
38:13	186:11,17	13:21	221:3,5,10	232:19
45:17 51:3	235:21	15 <b>:</b> 18	235:6	234:17
53:7,9,12		69:22 82:1	producers	
70:2	<b>prior</b> 8:17	240:16	52:8,17	proponents
109:20	9:24 19:13	proceeds	product	64:18
150:2,6,9	29:2 60:5 64:4 95:22	90 <b>:</b> 23	227:9,11	69:19,20
159:22,24	107:9		228:8	proportion
171:2,11,2		process		86:24
3	108:13 148:23	8:10,14,19	production	
173:14,23		21:15 31:7	50:11	proportions
174:1,2,6,	162:6,8,9	33:17	51:6,14,24	
9,19,23	170:16	35:17 <b>,</b> 20	52:1,9,17,	
175:14,16,	196:21	37:5 39:12	19,21 53:6	proposal
18,19,21	<b>pro</b> 175:18	59:16	106:3	6:15,18
177:22,23	probably	60:1,4,13,	170:19	60:6 72:10
178:14,15	88:1	19,22 61:4	171:4	86:6 96:10
179:5,6,10	104:18	63:24	172:12	98:18
,11,12	127:1	64:13 66:3	207:11	99:10
181:14,19,	158:3	71:15	239:2	119:24,25
20 194:2,8	165:8	100:21	products	120:25
218:19	177:2	107:5	54:3	125:12
224:15,18,	190:9	121:25		128:9
23	195:22	122:16	<pre>profit 41:4</pre>	195:7,9
225:12,15,	229:25	123:17	94:13	196:2,6
18		124:19,24	101:6	197:5,9
226:12,20,	problem	125:3,8,22	103:5,11,1	198:22,23,
24 227:9	43:14	126:2,11,1	8 104:1	25 199:12
228:8	problems	5 127:12	108:11	200:2,14
229:7,13	223:23	129:22,25	profitabilit	209:24
232:13		135:23	<b>y</b> 104:13	210:1
233:1	<b>proce</b> 229:8	138:8	_	211:2
237:7	procedural	140:11	profitable	235:4
238:4	9:4 13:3	144:5	53:7	
pricing	14:5 19:19	153:20,21	<pre>program 92:9</pre>	proposals
48:25	63 <b>:</b> 21	203:20	programs	33:20
106:4,6	procedure	210:1	240:8,9,10	34:17
119:24	-	214:11,23		64:19,20
226:2	12:14,21	215:2,4	prohibitivel	69:18
primarily	procedures	processes	<b>y</b> 190:10	100:3
26:13	9:10	229:9	205:18	207:13
161:11	10:18,20		project	propose 15:6
166:12	13:1	processing	22:15	16:25
	proceed	172:11	31:15,17	17:23
primary	19:16	<pre>produce 51:2</pre>		65:14 66:3
42:10	25:18,19	219:19	promise	98:21
65:22 66:5	20.10,10		51:10	
				•

proposed	<pre>provide 6:21</pre>	217:3	28:21	106:21
8:15,23	12:6,9,22	218:19,22	29:7,25	107:3
10:5 26:5	13:12	232:19	62:8 70:21	171:8
29:17	25:24 26:8	233:21	172:24	211:14
30:1,12	29:10 33:5			
31:4,8,24	37:1 41:15	provider	PUB/CAC 4:16	publication
32:2,6,15	45:14,20	140:11,12,	PUB/CAC-6-1	4:8 14:4
33:1,10	47:23	18 211:22	14:25	published
38:4	55:9,13	providers	PUB/CEN	13:25
44:2,7,16	57:15	59:3 64:16	98:14	<b>PUB's</b> 13:24
47:16,22	60:7,15	211:6		69:9
48:5,9	61:1	provides	PUB/CENTRA-1	
49:19	63:6,19	6:12 36:20	6:9 154:3	<b>pull</b> 151:20
54:11	77:25 79:6	44:12	156:24	<pre>pulled 67:1</pre>
55:4,14	88:4 89:18	55:16	157:6	176:21
58:15,23	95:21	59:23	PUB/	
59:3	102:5	155:25	CENTRA-18-	<pre>pulling 45:</pre>
60:1,8	117:3,4		<b>B</b> 65:19	<b>pumps</b> 115:1
64:4 71:14	132:23	157:1,10		
93:15	156:8	228:5	PUB/CENTRA-4	purchase
100:7	162:16	providing	176:22	24:9
108:18	163:10	17:14 22:2	PUB/CENTRA-5	149:10
109:16	188:23	31:4 32:23	201:8	173:18
111:4	195:3	36:16		181:3
130:3,5	196:10	45:23	PUB/	182:18,22
133:12	197:13	48:23	CENTRA-5-1	184:3,7,1
135:2	208:2,6	54:10 59:5	4:12 14:15	purchased
165:14	209:7	99:7 192:3	<b>PUB-1</b> 4:3	33:8 45:1
195:12	210:8	214:8		49:16
220:9	216:11,19	province	<b>PUB-2</b> 4:6	150:8
	219:7	26:14	PUB-3 4:7	175:7,9
proposes	236:10	28:4,9	<b>DITT</b> 4 4 10	180:23,25
32:22		172:9	<b>PUB-4</b> 4:10	213:9
proposing	<pre>provided 6:7</pre>	207:6,9	14:5,7	
21:11	9:22 12:8	·	PUB-7 4:21	purchases
199:20	35:10,16	provision	15:10	44:25
237:17	57:11	102:7	public	45:13
	61:7,24	provisions	1:3,20	53:23
proposition	62:20	123:21	4:8,13,17	55:23,24
120:1	70:20			171:23
200:6	97:1,12	proximity	7:12 9:15	181:5
proprietary	98:15	169:22	14:4,11,16	purchasing
35:15	102:5	<b>proxy</b> 189:12	,21 15:1	45:14
174:17	108:7		25:22 26:4	<b>purp</b> 228:22
218:6	112:18	prudent	28:15 31:2	
225:13	117:13	107:12	48:22 57:3	purple
227:20	144:19	<b>pu</b> 160:4	59:13	163:22
230:24	163:11	PUB	60:4,6,7,1	166:8
protects	166:21		3,21 61:1	purports
108:12	177:16,17	14:1,10,20	63:3 64:21	228:8
100:12	196:19	15:8	68:23	
proven 24:4	211:12,13	16:7,19	70:7,14	purpose
	216:16	17:18	71:13 80:1	23:18 65:

Centra Gas Mai	iiittoba italis	s. a folcionic	Appr.	rage 290 or
306				
229 <b>:</b> 16	108:1,2,22	<b>quo</b> 6:22	46:20 62:2	<b>re</b> 1:6
	110:1	195:10	65:15	195:16
purposes	122:12	196:11,23	66:4,8	
113:4	123:8	197:13	73:2,18,19	<b>reach</b> 174:23
147:12	127:1	137.13	74:4,9,17	180:1
158:5	139:10		81:12	reached
201:25	144:16	R	84:6,7,9	109:15
202:3	150:18	<b>ra</b> 179:25	85:15 92:4	
217:23	155:24	radical 47:9	93:18	reaching
228:17,23	167:17		103:15,21,	31:19
229:12	169:3	raise 126:7	24 113:5	128:16
pursuant	177:8	176:1	118:6	readily
71:9	178:10	<b>RAM</b> 119:7	125:23	88:12 96:1
160:23	206:20	120:7,10,1	130:17,20,	156:6
	237:23	8 121:1	23 171:9	159:11
<b>pursue</b> 64:17	239:9		172:24	180:1,7,12
79:21		ran 38:7	198:6,9	reading 73:9
89:15	questioning	181:10	227:22	=
<pre>putting 72:2</pre>	112:5	218:3	•	207:13 232:8
78:14	128:25	224:25	ratepayers	232:8
110:6	questions	230:20,24	28:8,13	<b>ready</b> 111:23
130:11	12:10,14,2	232:5,12,2	54:24 91:5	115:21
160:4	2 16:16	5	93:13	reality
166:13	17:15,17	range 26:20	94:14	226:16
170:4	19:20	34:2	rates 33:12	
	21:16,19,2	37:13 <b>,</b> 24	34:15	realize
	3 49:3	39:20	35:9,19	92:21
${}$ qualificatio	53:15	104:2,23	37:16,17,1	realized
_	67:11 <b>,</b> 25	143:21	8	28:6
ns 5:4	68:11,13,2	190:4	46:8,15,17	
17:1,3,7	1,25	ranging	,20 48:11	really 35:5
quantified	70:18,22	41:10	91:11	43:1
190:2	111:12	233:10	93:22 94:2	107:15,22
197:22	188:22		104:8	129:11
231:19	anni bbl a	rapid 50:8	107:21	131:2
quantify	quibble 180:6	rapidly	130:19	184:20
125:12,25		50:19	199:8	210:24
·	<b>quick</b> 168:22		211:11,12	231:17
quantities	176:14	ratchet	222:22	235:14,19,
42:6 138:6	quickly	223:23	rather 39:19	25
quarter	16:11	ratcheting	69:22	real-time
86:14	224:7	153:20,21	122:21	113:20
216:6	237:5,8		152:12	reason 28:14
		ratchets	161:22	111:2
<b>Quebec</b> 52:6	quite 43:7	151:20	163:3	174:11
193:17	48:10 96:3	152:8 153:18		204:15
question	122:13		ratio 223:18	
10:14	141:5	224:1	Raymond 1:15	reasonable
21:17	202:9	234:18,21	7:14	219:11
25:19	206:5	rate	237:22	reasons
69:5,6	228:11	28:14,16,2	239:8	191:25
		, . , .	23910	1.71.71
105:21	239:4	0 32:11	240:13	205:15

reassessment	recessing	116:1	192:9	101:3
56:24	66:18	120:15		164:9
	111:19	129:1	reduced	222:19
rebuilt	188:17	148:23	27:17 33:5	
107:19		157:22	42:24 59:8	refers 82:
ebuttal	recognizance	196:17	168:25	195:10
4:24 16:22	203:22	222:15	201:4	refill
153:19	recognize	232:3	234:19	44:9,16,
190:24	10:15		reducing	45:5 90:
	240:1	records	89:3	152:14
recalculated		88:15	191:21,25	
112:15	recognized	92:24	200:24	reflect
cecall 73:9	239:22	147:10		85:17
101:8	recognizing	recoup	reduction	reflected
112:6,16	9:19 125:1	118:13	32:11,13	74:17
176:7,9	152:15		39:1 40:4	199:8
191:3,5	220:23	recourse	48:14,15	227:9
192:22		107:23	50:1	231:22
196:14,22	recollection	recover	refer 52:18	
207:13	186:3	94:16	65:19	reflective
213:13	191:11	103:16	68:12	107:2
	recommendati		70:21	reflects
ceceipt 58:4	on 108:19	recovered	71:18	231:23
78:13	109:18	74:9	101:2	
135:7,12		recovering	158:8	refusal
136:6	recommendati	93:3	159:18	121:15,1
ceceive	ons 63:15		185:4	23,25
100:4	110:4	recovery		122:17
105:4	216:13	81:5,13	reference	123:20
	recommended	82:20,25	50:23 73:4	125:7,14
received	235:2	102:25	91:14	127:8,19
34:17		recreated	98:14	128:1,5,
62:15	reconcile	158:25	144:25	<b>,</b> 21 129:
63:2,12	6:8		156:9	130:7
ceceives	156:4,23	rectangular	176:10	regard 38:
196:20	157:4	131:16	200:11	56:6 59:
190.20	reconciling	red 134:5	referenced	78:5 79:
receiving	156:18	144:21	13:2	80:20
106:8		145:2,5	113:12	81:25
151 <b>:</b> 7	reconfigured	154:7,20	113:12	126:7
ecent 39:5	56:15,17	161:10	references	
50:5 51:9	115:18	166:10,14	74:23 78:2	regarding
52:25	136:24	168:13,19	referencing	33:3 61:
	recontract	171:9	155:10,12	regardless
recently	46:16	223:1	, , , , , , , , , , , , , , , , , , ,	90:5
13:11			referred	207:23
26:24 51:1	reconvene	reduce 24:7	114:8	
56:18	237:20	25:2 44:17	117:16	regards 57
115:18	record 9:14	52:16	164:12	129:2
239:22	13:21 24:4	53:24	172:8	191:7
		55:20,21	199:13	239:9
recess I				
recess 111:10	39:6 62:1 68:23 83:4	98:19	236:15	region

Centra Gas Ma	ilittoba italis	. & FOLCIOII	2 Appr.	rage 232 Or
306				
8 36:24	29:14 31:4	198:10	228:16	159:20
172:12	37:8 54:10	234:13		
210:9	57:20	236:18	relying	replacement
	72:18	237:9	151:22	8:11,23
regional	76:25		207:17	60:2,11
34:16	81:5,18	relatively	remain	107:5
186:7	85:8 89:1	178:17,18	195:11	report
210:21	103:8	release	remainder	61:8,10
regions	108:6	47:25		69:10
51:17,24	115:14	92:6,10,12	58:1	217:3,5
210:5	195:17	,14,19	remaining	236:14
	196:8	93:10	25:20	
Regis 1:13	197:12	94:6,8,12	118:3	reported
7:10	199:25	97:23	170:3	36:2 38:6
registered	216:18	139:5,20		104:13
62:2			remarks 3:6	112:7
	relates 82:7	released	22:18	222:20
regular	100:8	91:3	25 <b>:</b> 18	Reporting
159:19,20	227:19	138:11	remember	27:19
167:24	relating	releasing	186:2	
regulated	48:24	138:4	222:25	represent
23:13				20:7
130:20	relation	relevance	remind	145:17
239:19,20,	37:5 38:4	50 <b>:</b> 5	116:10	166:9
21 240:1,5	relations	relevant	removed	174:24
	74:24	69:7	205:16	219:5
regulation	128:20		renegotiate	representati
10:8	189:7	reliability	80:13	on 62:9
211:18		32:8 34:20	00:13	
regulatory	relationship	36:11	renewal	representati
23:13,15	54:25	45:25	33:14	<b>ve</b> 67:9
47:7	77:12	46:11	48:12	193:4
59:14,16	121:11	48:14 59:4	202:2	representati
88:9,15	178:7	109:1	renewing	ves 62:12
92:24	180:14	148:9	129:15	
reimbursed	181:7,9	215:6	129.13	represented
	relative	reliable	reoccurrence	11:4,8,15,
94:5	10:8 47:15	24:1 30:10	158:22	22 165:12
reinject	55:25	34:11	reopen	represents
221:23	57 <b>:</b> 25	42:10,14	143:16	162:19
reiterate	86:12	49:23		164:10,15
16:15	99:10	101:22	<b>rep</b> 137:1	166:23
10:13	140:18		repeat	168:17
rejected	150:8	reliably	122:12	230:5
24:19	164:22	32:4	133:9	
<b>rel</b> 108:25	166:2	reliance		re-purposing
	168:5	37:2 44:8	repeated	56:25
relapse	173:22	molion+	175:6	request 83:8
68:11	175:24	reliant	rephrase	89:19
relate 74:8	184:20	151:6	69:6 198:7	94:23
	185:7	<b>rely</b> 44:6		98:18
related 6:20	193:20	161:22	replace	102:25
8:25 26:6	195:20	226:24	28:22 129:6	124:1

Centra Gas Ma	III CODA II air.	s. a rolliolic	3 11PP - •	rage 293 Or
306				
144:18	186:22	47:3,9,17,	178 <b>:</b> 7	24,25 45:2
155:16	235:21	20 141:17		92:24
156:23		149:1,2	restated	110:11
176:21	requirements	156:7	195:22	122:1
201:13	30:9 40:23	178:10	restatement	169:23
210:1	41:10,25	227:6	195:19	170:2
211:2	42:12	238:9		214:6,10,1
	49:15		restating	6,22
requested	54:20	responded	195:16	217:18
77:7	118:1,2	18:20 62:6	199:24	219:16
106:21	151:7	responds	restrate	221:8
211:4	157:20	235:22	178:6	222:19
requesting	160:6,14		restructured	
30:15	169:14	response	6:15 196:2	231:24
103:24	204:20	5:11,19	197:5	235:6,7
	228:19	12:10 18:5	197:3	236:17
requests	239:7	19:1 48:1		237:13
4:14,18 5:10,17	research	56:1 64:8 65:19	restructurin	
1	51:9		<b>g</b> 6:18	resume 66:22
14:12,17,2 2 15:2	reservation	68:2,13	119:25	111:15
	85:22	144:15	195:6,9	240:15
17:24		197:1	196:6	resuming
18:4,20,25 21:17	142:25	201:7,13	197:8	66:19
60:24	reserves	responses	200:2,14	111:20
62:24 63:2	51:25	4:15,20	result 30:1	188:18
65:12	103:18	14:13,18,2	41:25 56:9	retailer
69:18	104:1	3 15:3	57:11 58:8	11:7
124:9	reside	17:14,25	65:21	
209:24	138:20	63:3 69:18	93:10	retained
216:5		70:12	99:11	27:17,21
	residential	73:10	114:21	28:1,5,12
require 8:16	26:16	94:22	126:1,9	107:18,19
47:11	41:24	209:6	141:6	240:6,12
201:15	resolved	responsibili	143:14,19	RETIRES
required	186:9	ties 31:12	171:3	240:18
24:8 46:24	respect 8:11	54 <b>:</b> 6	192:9	
69:7 77:6	9:15 13:8		195:15	retrospectiv
78:3	19:18 29:6	responsibili	199:23	<b>e</b> 83:2
80:1,13	30:25 39:8	<b>ty</b> 30:24	200:2,16	returned
90:25	58:22	31:17	221:11	81:23
149:11	65:16	48:20	resulted	239:11
151:14	167:17	148:3	126:1	returning
210:8	204:23	responsible		163:18
223:8	209:10	23:4 40:21	resulting	103:10
requirement	218:17	49:13	37:18 44:1	revenue
41:21	229:14	responsibly	results	91:10
42:25	235:5	43:8	20:19	92:19
50:14			35:18,20	198:11
78:23	respective	rest 11:14	36:2,5	199:7,11
79:18	64:19	restate	37 <b>:</b> 6	revenues 6:5
81:17	174:21	57:20	38:1,5,17	26:20
149:9,12	respond	169:2	39:1,7,16,	27:1,6
			. ,	<u> </u>

centra Gas Mai	iiitoba italia	s. a folcionic	y Abbr.	rage 294 Or
306				
92:6,10,12	107:10	run 77:21	170:5,8,14	scenario
,15,25	117:10	85:9 107:9	,22,25	39:22
93:7,11	120:4	182:15	171:13,16,	239:15
96:14,25	162:12	213:4	25	239.13
97:10	174:20			scenarios
	1/4:20	215:10,14,	172:2,22	39:21
100:6	risks 46:13	24 217:25	173:2,7,10	44:23
reverse	99:10	225:12	,16,24	219:9
116:2,12	100:9,16,2	running	174:8,15	225:1
·	5 101:3,12	40:13	175:2,10	231:10
reversed	108:6	41:17	176:9,16,1	232:17
116:5		214:24	9,24	
review	road 130:2	232:18	177:3,5,19	schedule
8:14,19	<b>ROFE</b> 124:24	232:10	,24	67:16
10:21 61:9		233:20	178:6,16,2	schedulers
66:3 71:13	<b>ROFR</b> 121:25	runs 213:5	0	141:21
96:2	123:17,24	D1 0 - 1 0	179:3,8,17	·
	124:2,3,5,	Ruzycki 2:10	,23	201:25
110:23	7,19,24	11:9	180:5,11	schedules
168:23	125:22	<b>Ryall</b> 7:19	181:1,11	196:15
239:24	126:2,11,1	9:18	182:4,11,1	
reviewed	5 127:12	* * = *		scheduling
101:19	129:25		6,21,24	54 <b>:</b> 21
		S	183:5,14,1	scrambling
revised	Roger 7:22	<b>safe</b> 30:9	8	152:9
57:23 79:8	role 21:5	<b>sales</b> 86:23	184:5,16,2	
revising	31:12		3	<b>se</b> 108:12
17:16	49:10	91:13	185:13,18,	sealed
17:10	49:10	Sanderson	21,24	105:12
ri 101:11	roles 10:15	3:16 5:6	186:10,13	103:12
rich 51:21	21:20	17:10	187:4,16,1	season
rien 51:21	157 15	23:11	7 190:16	90:23 <b>,</b> 24
<b>rider</b> 198:9	<b>roll</b> 157:15	25:14	227:5	93:6
100 6	Roman	48:4,19,21	228:6	162:7,9
riders 198:6	95:10,11	49:2,6,12,	238:8	175:8,9
right-hand	·			·
15:22 75:9	room 7:9	21 50:7,24	Sanderson's	seasonal
131:12	11:5 15:24	51:19	214:4	54:20 91:3
133:17	66:15	52:11	Saskatchewan	160:8,12
154:4	211:22	53:16,20	205:6	164:6,8,12
160:15	Roughly 88:2	56:3	203.0	179:1
230:18	Roughly 00.2	147:8,15,1	Saskatchewan	221:18
	round 4:14	8,23	/Alberta	224:9
233:19	5:9 <b>,</b> 17	148:2,16	132:2	226:1,13
<b>rights</b> 33:14	14:17	149:3,6,18	Ca abat abassa	
48:12	18:3,24	150:1,17,1	Saskatchewan	seated 9:18
0	72:8	9 155:6	-Alberta	<b>second</b> 45:23
rise 9:5		156:10,15,	171:20	161:7
33:13	route 105:10	16,20	satisfactori	176:25
186:9	128:14	157:21,24	ly 80:21	216:19
218:15	routinely	158:7,14,1	<b>-y</b> 00.21	
	-	9	saving	secondary
rises 180·18	7/*18	7		01 14 10
rises 180:18	52:18	-	236:21	91:14,19
rises 180:18 risk 46:16	52:18 row 200:23	159:2,7,15		91:14 <b>,</b> 19 93:11
		-	236:21 savings 30:1 33:6 48:16	· ·

Centra Gas Ma	iii coba i i aii.	s. a rollioir	2 11PP - •	rage 290 or
306				
143:10	52:13	23:2,4	34 <b>:</b> 15	124:1,9
		67:3,8	49:24	125:20
secondly	select	·	57:10 59:3	
11:6 12:24	41:2,7	sense	65:15 66:4	·
58 <b>:</b> 4	selected	21:6,16	82:4 86:2	,16
secretary	38:9 69:20	39:18	87:6 88:7	130:10,14,
7:18	selecting	221:21	89:9 95:18	
section	36:8 39:19	226:12	117:6,11,1	
231:15,17		sensitive	2 118:7	167:10
·	selects	27:7 41:9	119:2,10	192:17
secure 24:1	37:11	64:21,23	120:2,3,7,	serving 26:2
33:14	sell 41:4	69:19	8,18	40:21,22
46:10	90:13 91:8	211:10,14	123:18	49:15
secured	93:21 94:1	<b>sent</b> 209:23	137:1	236:1
46:6,15	97:16		140:13,18	
48:8	118:12	separate	142:19,23	<b>sets</b> 104:9
125:21	125:23	76:11 88:7	159:13,19,	174:13
security	143:9,15	201:22,24	20 160:18	211:20
32:9 48:15	227:11	separately	162:1,3,5,	setting
102:5,6,8	228:7	159:6	15	198:12
	sellers	September	163:5,6,10	setup
Sedimentary	172:17	63:12 84:6	,22,23	215:17,22
51:23 56:1		199:1	164:4,6,8,	
seek 8:16	selling		21	seven 10:6
23:18	91:16,20,2	sequentially 15:25	166:4,21 167:19,20,	29:19
62:23	1,22,24 93:2 187:9	13:23	23,24	46:3,8,9,1
68:13 81:4	95:2 107:9	series	169:24	8 47:2
82:20	<b>send</b> 132:12	218:18,19,	191:1,21	53:10
83:20	163:17	22,24,25	194:4	72:12 74:1 77:17
97:21,25	188:9	219:7	201:10,16	78:9,21
99:13	send-out	serious	208:2,3,4,	79:6,11,15
103:16	181:14	20:24	5 209:7	90:2
seeking 8:22	SENDOUT	serve	210:8	127:15
10:2 29:3	213:4,19	41:2,8,21	236:14,18,	
53:18	214:6,16,2	42:11	19 237:4	146:19
59:20 68:3	2 215:10	54:20	services	174:1
71:19	217:9,11,1	148:4	7:25 31:20	213:22
108:5	4,23	149:8	34:21	218:11,13,
219:13	218:1,4	161:8	35:9,19	15
seeks 94:5	219:11	235:24	37:17	seven-sixty-
103:19	221:12	239:6	39:14	four 29:13
seemed 13:3	222:9,13,1	served 11:21	46:17 54:4	
	8 224:1	32:4 52:16	57:11	seventeen
seems 181:18	226:25	32:4 52:16 129:3	59:15	29:12
seen 16:6	230:6,8,20	239:1	75:12 <b>,</b> 17	185:12
106:15	231:6		87:8,13	216:25
124:14	232:5,12,1	serves 26:11	101:22	seventy
147:16	3 <b>,</b> 25	42:1	117:3,4	236:12,18
181:23	233:5,9	service 4:7	119:24,25	seventy-one
seismic	237:13	11:20,21	122:21,22	236:12
SETSHITC	senior	14:3 24:2	123:11	200.12
	1	·		l .

06			- 11919 = 1	10.90 200 02
several	<b>ships</b> 134:19	179:15	72:13	197:22
20:12	<b>shor</b> 41:5	194:2	80:25	198:15
35:19	-1	224:17	83:17	199:6
191:22	<b>short</b> 34:19	227:13	101:23	<b>size</b> 40:25
severe 43:21	71:21	<b>shut</b> 159:13	108:5,23	86:12
	120:12	sic 15:21	112:6	109:1
severity 26:22	186:5	SIC 15:21	124:14	<b>sized</b> 40:8
20:22	205:16	signed	131:17	
<b>shale</b> 51:7	shorter	105:12	132:17 134:2	sizing 39:
52:5,6	46:13,15	significant	154:2	<b>skip</b> 193:1
169:11	236:9	28:8 42:4		_
170:5,23	short-listed	55:13	159:7	slight 40:
171:4	39:15	56:11	177:6 179:23	237:11
shared	216:18	64:11	204:25	slightly
211:14		81:24	204:23	221:10
212:3	short-		·	232:20
	listing	significantl	<b>sit</b> 7:16	235:7
shareholder	34:19 35:6	<b>y</b> 27:8	sitting	238:18
107:24	short-lived	51:6	41:14	<b>small</b> 36:1
sheet 70:1	186:8	185:22		87:10
75:7,12	-h + 1	195:15	situated	95:10
78:2	shortly	similar	36:15	150:7
125:24	10:24	12:21	208:25	236:17
- <b>ht</b> - 70.0	short-term	29:21	209:1	
sheets 79:8	41:5 120:8	32:3,16	situation	238:19
Shell 2:12	121:2	39:25 40:4	20:20	Smart
11:11,14	199:13	46:17	61:21 91:1	240:7,8,
13:9 19:4	showing	154:16	109:8	software
shift 56:21	152:23	208:7	114:17	213:4
141:22	165:25	Gi man a an	189:2	215:13
164:9	178:13	Simonsen	205:12	219:23
170:19	1/0:13	7:18	238:25	
	shown 6:4	simplify		sold
shifts 50:16	96:13,24	167:14	situations	204:3,5,
239:1	97:8 132:1	simplistic	109:21	solicitati
shipped	134:1,5	184:19	<b>six</b> 27:15	<b>s</b> 99:6
169:16,22,	146:19		148:21	
25 190:19	147:4	simply 43:1	193:9	somebody's
192:13	148:13	48:7 87:13	213:16	122:4
	158:12	92:10	220:22,24	someone
shipper	159:6	135:6,12	222:13	96:19
118:11	160:16	185:5	sixty-eight	115:10
119:9	161:10	single 37:2	26:12	122:15
123:17	162:1	38:9	197 <b>:</b> 23	123:13
shippers	171:9	39:8,19	199:6	somewhat
43:5,21	223:3	45:17 94:8		39:18
50:20	shows	151:2	sixty-eight-	100:7
117:14	95:15,16	239:5	decimal-	207:21
170:3,12	145:5	240:4	zero-two	228:15
shipping	146:14	oim 67.10	194:25	
169:21	156:1	sir 67:12	sixty-nine	somewhere
107.41	158:17,20	71:4,23		

			- 11 -	
306				
213:13	94:24	<b>speed</b> 104:18	standard	<b>y</b> 104:9
sooner 46:17	96:6,8	spending 7:7	59:4	status 6:21
	southern		Standards	65:25
sorry 11:3	26:13	<b>spent</b> 143:23	27:20	195:10
78:15 95:1	34:10	<b>spiked</b> 174:2	239:25	196:10,23
121:11		_		197:13
124:24	southwest	spiking 53:12	standing	
133:16	94:24		52:21	Stauft 5:12
139:17	96:6,8	<b>spoke</b> 63:21	101:18	12:19,21
153:14 155:11	161:17 207:9	76:21	<b>stands</b> 79:11	18:8,12
156:10		119:2	117:10	21:3,25 98:8
167:3	<b>space</b> 41:25	195:13	171:17	98:8 120:22
169:3	spacing	spot	start 9:7	176:2,13
185:17	239:6	178:14,15	35:6 66:16	190:1,23
198:5			67:2 96:7	191:9,15
216:24	<b>speak</b> 52:2	<b>SSDA</b> 201:10	141:23	208:9
229:8,19	130:12	<b>St</b> 113:24	151:25	
230:10	140:2	138:14	163:23	Stauft's
232:6	176:3	139:1,7,24	165:21	191:6,12
233:2	195:23	stability	180:14	staying
239:9	speaking	28:18	started	108:15
Sort 141:4	69:16 88:2		212:9	<b>steal</b> 21:24
SOFT 141:4	176:10	stabilizatio		
sought 21:18	185:14	<b>n</b> 45:15	starters	<b>step</b> 99:22
28:21	<b>speaks</b> 85:20	stable	40:11	178:13
77:4,15		227:14	starting	stepped
237:12	specialist	239:4	12:16	171:10
sounds 190:7	23:17	<b>stack</b> 160:15	36:10 71:7	atama 12.0
	specific	161:15	72:12	<b>steps</b> 13:6 59:20
source 32:24	63:15,19	165:7,14	177:9	60:22
42:10 50:20	68:15		starts 193:8	78:12
51:6,10	72:1,9	stacks		
160:1	74:4,21	157:19	state 60:8	Stewart 3:15
161:8	75:12	<b>staff</b> 49:12	stated 8:15	5:6 17:9
164:19	101:18	62:9 177:5	102:10	23:10
238:7	108:22	stage	180:9	25:13
	110:21	64:12,22	statement	53:15
sourced	126:9		110:17	54:6,8,16
81:20	162:19,20 172:3	stakeholder		55:4 <b>,</b> 12
166:10	211:4	20:10,11	States 24:24	56:7 57:3,7,17
sources 34:4		107:24	115:23	58:22,24
47:24	specifically	stakeholders	183:25	76:21
49:25	117:2	9:23 60:25	208:21	78:18
50:9,25	specifics	64:12	209:1	82:16
51:21 59:7	84:11	200:2	211:20	90:15,17,2
145:7		202:24	station	1
165:2	specified	203:11,20	56:18	91:8,12,14
169:11	185:7	212:4	115:17	,18,23
<b>south</b> 132:3	specify	stand 111:1	136:23	92:3,8,14,
southeast	135:6,7,10	117:9	statisticall	18,23
southeast			2 24 22 2 2 2 2 4 2 4	, -

Centra Gas Ma	nii cosa i i ano	. & FOLCIOII	o TPP - •	rage 290 OI
306				
93:5,14,19	152:17	223:22	46:6	1 150:9,11
,24	153:1,9,15	226:19,22	47:10,22	151:18,21
94:3,7,15,	,22,25	227:21	48:5 53:21	152:6,7,13
21	154:8,15,2	230:4	54:2,12,18	,15
95:5,12,13	2		55:13,15,1	153:3,10,1
,19	155:2,5,11	Stewart's	8 60:2,11	6
96:1,5,11,	,16,21,24	49:13	61:18	154:6,12,1
13,18,23	156:8	132:10	63:21	9,25
97:5,16,20	157:14	234:7	64:16,18	155:8,19
98:5,11,12	160:14,21,	STFT	71:20	156:1
,25	25	120:9,12,1	74:24,25	157:1,11
99:3,5,15,	161:4,14,2	7	76:5,6	161:9,16,2
19,20	4		80:23	2 165:20
100:2	162:2,8,15	<b>stick</b> 209:9	81:18,22,2	166:12,16,
113:8,13	,18,24	<b>stor</b> 37:16	3	24 167:2
113:6,13	163:12,15,	204:6		168:21
			82:4,8,11 85:22	171:19
115:1,4,9,	19,24	storage 6:12		
11,16,24	164:3,7,15	7:6	86:7,12	172:13
116:5,7,13	,20	8:2,12,24	87:12,18 89:24	182:7
,16,20,23,	165:3,5,11	9:20 17:17		189:12
24	,20,23,25	23:16	90:24 91:1	202:21
117:8,19	166:6,20	24:23 25:5	98:19	203:3,5,6,
118:17,20	167:1,6,13	26:6	102:2	7
119:1,4,8,	168:2,4,11	29:12,14,1	103:10	204:19,24
13,17,19,2	,16 175:5	8,21	105:18	205:1,5,8,
3	186:19,20,	31:5,24	106:1,7,13	16,18,21
120:7,10,1	24 187:2	32:2,16,17	109:2	206:8,12,1
5,19,24	188:2,7	,18,21,23,	117:25	8,21
121:6,9,13	189:6,10,1	24,25	118:1	207:1,4,5,
131:21	5,23	33:4,6,9,1	121:8	14,16,17,2
133:18,23	190:6,14,2	0,18,24	122:5	3
134:22	0	34:2,10,14	123:10	208:2,3,4,
135:17,22	191:5,11,2	,18,19,21,	125:23	7,11 209:7
136:20	0,23	22,23	131:2,6	210:5,7,19
137:6,11,1	192:4,13,1	35:7,11,25	132:6,13,2	,21
9	8,21,24	36:6,12,14	4 133:4	211:3,5,9,
138:2,8,19	193:6,12,1	<b>,</b> 17	134:18,19	10,22
, 25	8,24	37:11 <b>,</b> 17	135:4,20	220:9,11,1
139:3,9,15	194:5,10,1	38:4,9,12,	138:5,23	8,19
,18,22,24	5,21	14,16,18,2	139:6,10,2	221:11,18,
140:8,15	195:4,6,24	5	0 140:3	19
141:4	196:4,13	39:1,9,19	141:1,7	222:4,21
142:16,22	197:1,2,20	40:2,3,7,1	142:4,22	223:8,25
143:1,6,11	,24	4,17,25	145:6,9,10	231:4,7,23
144:1,6,12	198:3,7,13	41:2,3,13,	,19	,24
,23,24	,21	14,17,20	146:2,5,8,	232:7,14,1
145:4,8,13	199:10,17,	42:9,12	12,16,22,2	6,21 233:7
,20,23	22	44:2,6,9,1	3	234:8,10,1
146:6,10,1	200:5,10	1,14,16,17	147:10,16,	4,19,21
3,17,24	201:2,23	,21,24	21	235:16,18,
147:3	202:4,8,14	45:1,2,5,8	148:1,7,15	21,23
150:17,25	,16 211:17	,14,19	149:5,15,2	236:6,15

		s. & Portiolio	<u> </u>	Page 299 OI
306			-	
237:4,5,6,	submitting	40:7 63:24	148:1	1 166:1,3
8,10	28:14	64:3,9	154:12	167:2,5
,		180:23	166:5	171:1
strategy	subscribe			173:4,5
131:2	202:6	suggestions	supplied	176:6
strictly	subsequent	63:16	167:9	182:9
97:22	8 <b>:</b> 7	suggests	supplier	183:12
structure	substantial	47:13	11:19	184:9
52:8,24	65:21	<b>suite</b> 31:20	106:6	186:5,7
66:4 194:4		93:9	suppliers	231:7,13
	subtract	128:16	24:25	support 28:3
structured	72:24		· -	39:1 110:8
108:3	successful	sum 89:22	supplies	206:15
struggling	228:13	118:1	30:8 54:22 55:24 57:9	231:18
143:12	successfully	145:2 175:20	59:8	
<b>STS</b> 82:3	236:2		146:8,11	supported 39:11
		summarize	147:11	215:22
subject	suffers	59:25	164:11	
19:20	153:8	<b>summer</b> 24:11		supporting
22:12 28:1	sufficiency	33:3,4,6	supply	40:4
29:25	198:11	45:12,13,1	28:21,25	214:10
49:11 55:2	199:7	6	29:1,4	supportive
73:7,23	sufficient	131:9,20,2	32:8,9,24	208:10
81:1	79:7 80:12	5 150:11	33:8 34:4	214:18
105:20	133:3	175:8,16,1	35:2,14	
110:23	189:21	9,24 176:5	36:21,22	supports
123:5	192:8	177:23	37:2,3	214:25
136:25 150:1	204:20	178:3	40:2	suppose
165:10	210:20	179:5,11,1	42:5,10,13	123:9
	219:2,8	5 <b>,</b> 20	,19 43:9	154:17
185:24	219.2,0	180:3,8,16	44:8,13	205:20
203:19	suggest	,20,25	45:6,21	218:7
217:16	10:24 12:1	181:5,20	46:11	supposedly
219:17	19:8,11,21	202:23	47:23,24,2	I
subjective	45:2 66:14	summer/	5 48:14,15	109:13
108:19	111:14	winter	50:1,20	<b>sure</b> 67:25
109:5,17	147:6	41:5	51:22	76:25 89:9
110:5	152:6	4T:7	54:2,17	92 <b>:</b> 23
subjectivity	184:19	summer-	58:10 59:6 81:20	103:16
109:24	228:21	winter	81:20 87:12,14	115:11
	suggested	177:10,14	87:12,14 102:6,9	122:12
submissions	19:15	summon 217:2	102:6,9	129:1
13:1,4,12,	42:22		132:21,22	138:19
15,16 19:7	199:22	supercompute	132:21,22	156:2
61:2	suggesting	<b>r</b> 52:15	141:19	178:10
63:7,10,21	109:2	superior	147:1	195:20
196:21	178:23	227:9	157:19	202:8
submit			159:23	207:22
141:24	179:4,14 198:8	supplemental	160:15	236:2
submitted	236:9	65:22 66:5	161:7,15	surplus
124:9	430 <b>.</b> 9	146:12	165:7,13,2	90:12
14.7	suggestion	147:1,24	100.1,10,2	

centra Gas Ma	III CODA – II alii	S. & PORTIOIIO	J APPI.	Page 300 OI
306				
97:17	75:8,11	174:20	121:5	139:15
	105:2	184:10	138:7	146:19
suspecting	124:12	196:7	166:21	148:13
129:13	131:7	197:10	167:5,11,2	173:8
swapped	133:14	236:24	0,24	174:3
140:2	144:13	237:11	170:11,17	188:13
	148:14		189:2	196:16
swath	152:19	<b>talk</b> 81:15	190:24	223:7
164:3,20	154:2	83:10	191:25	228:10
swear 12:8	157:18	137:1	191:23	240:9
	158:11	184:17	194:3,18	240.9
swearing	165:6	193:13	194:3,18	Tenaska's
19:13		218:10		120:25
swing	171:6	220:8	196:11	tendency
42:4,10	172:23	229:23	197:14	175:13
44:13	176:19	<b>talked</b> 76:22	198:2	186:6
104:5	177:1	87:5	199:9,20	
142:17,19,	182:5	107:14	200:9,20,2	terajoules
23 204:20	183:9	189:11,16	2	158:18
235:20	189:4	203:5	TCPL-only	235:8
	192:21	203:3	202:22	Teri 23:12
sworn	193:15		<b>team</b> 31:17	
3:12,13,14	197:20	229:7 237:14	54:16 55:5	term 31:8
,15,16	200:21	237:14	34:16 33:3	33:13
19:14	216:23	talking	technical	46:3,7,9,1
22:19	222:20,24	117:1	60:14,24	3,15,18,23
25:7,10,11	224:7,8	127:16	61:16,23,2	
,12,13,14	225:7	150:25	5 62:15	50:25 53:9
175:5	230:3,4,7,	152 <b>:</b> 5	63:25 64:3	
<b>sync</b> 143:18	10	178:9	65:2,5,7,9	75:7 <b>,</b> 12
_	<b>tabe</b> 16:2	<b>Tan</b> 9:1	192:25	77:18 78:1
synergies	table 3:1		203:11,14	79:8
28:6	155:25	<b>Tara</b> 139:19	209:13	120:12
system 57:5	167:17,18,	target 78:3	techniques	125:24
87:15 <b>,</b> 23	22 200:23	104:3	52:22	126:21
140:6	22 200:23	113:1		129:12
151:4	tabs 16:1	188:21	technologica	
170:3	105:1		<b>11y</b> 51:2	213:19
172:7,8,11	tag 190:4	targeted	technologies	terminates
238:11		13:7	51:14	138:14
systemic	takeaway	tariff 33:12	52:10,12	terminology
177:14	172 <b>:</b> 15	46:20 94:2		184:24
	taking 6:19	119:9,15	technology	104:24
systems	38:24	125:23	51:3	terminus
172:19	43:22	130:17,20,	temp 142:1	113:23,24
183:20	53:17 89:3	23 211:12	temperature	114:2,18
	90:4	<b>TCP</b> 198:5	157:25	140:1
T	102:18			172:10
tab 16:12	106:10	TCPL 6:22	ten 27:15	terms 11:18
36:2 38:6	108:6	83:7	51:12	13:21
59 <b>:</b> 22	138:6	109:21	53:12	16:25
71:16,25	139:4,12	110:1	66:14	63:23
74:22	149:20	115:21	104:6	68:20 71:6
				00.20 /1:0

CONTEL CAS IIA	nii cosa i i anc	· a rererest	•	rage sor or
306				
73:16,24	59:15	75:14	, 25	224:10,19,
75:10,24	39:13	77:20 78:8	154:9,15,2	
79:22	testimony	80:3	3 155:2	225:10,14,
81:12	31:3 48:23	81:3,16	156:13	223:10,14,
86:11	54:10	83:9,23	158:4,12,1	
88:18 89:2	175:5			228:10
90:20	<b>Texas</b> 51:23	84:13,20 85:23	4 159:7,9	
			160:21,25	230:17,21
91:16	<b>thank</b> 9:12	88:13	161:19,24	231:19
92:20,24 93:21 99:7	19:23	90:7,15,19	162:1 163:16,23	233:3,25
	22:4,5,9	,21	•	234:5
104:13	25:6 30:17	91:12,15,1	164:18,25	235:4,14
116:1	31:1 48:18	8 93:19	165:3,19,2	238:21
136:3,20	54:5 59:9	95:19	3 167:6	<b>theirs</b> 43:22
142:5	66:9,13,23	96:11	169:8	themselves
150:14	67:23 68:7	102:16,17	170:8,15	
152:21	69:14 71:5	103:3,6,22	172:14	16:1 95:18 98:4
154:13	80:25	104:11,16	173:7	
158:5	96:23	109:7,12	177:3	103:10
160:14	97:15	110:1	180:21	theoretical
162:14	105:23	113:13	182:11,13	128:7
164:9	107:7	114:19	183:14	159:3
170:15,25	111:16,17,	115:4,9,24	185:15	theoretical:
173:23	25 114:24	116:7,23	186:19	
174:24	118:23	119:4,21	188:2	<b>y</b> 114:2,18
181:7	121:7	120:24	189:10,15	thereafter
184:11	135:16	121:4,6,13	190:14,20	25 <b>:</b> 19
192:20	137:5	122:23	191:16,23	61:13
202:20	140:7	127:19	192:4,18,2	62 <b>:</b> 22
207:1	144:19	128:23	4	therefore
212:4	152:17	129:5,17	193:6,12,1	
215:6	160:13	130:13,17,	8	24:9 128:10
216:6	188:15,20	24 131:18	194:5,10,1	128:10
218:10	197:19	132:8,25	5,21	there'll
219:20	199:15,16	133:8,13	197:24,25	131:9
227:22	200:18	134:1	198:1,3,13	
231:7	204:10,25	135:15	,17 200:12	10:14 12:4
239:10,23	206:19	138:3,23	202:4,7	16:7,8,9,1
territory	230:9	140:10	203:1,16,2	6 40:16
57:10	233:17	141:3	3 205:10	
140:14	239:8	142:17	206:10	75:17 76:6,11
	240:13,16	143:1,12	207:15,21	
test 127:3		144:6,7	208:13	103:4
194:7,12	thanks 7:16	145:4,11,1	209:22	107:17,23
195:2	113:7	3,20,23,24	211:24	108:11,24
219:8	that'll	146:4,6,10	212:7,14,2	109:24
testified	85:17	,17,24	4 213:6	129:8
78:18	231:18	147:3,19	214:9	132:21,22
108:25		148:13	216:3,8	134:13
215:5	that's 11:13	150:16	218:5	145:25
	17:3 44:3	151:12,22	220:9,14	151:19
testify	68:6 69:13	152:13	222:11	155:25
12:20	70:16 71:4	153:1,9,12	223:14	157:16
	73:7,8	, - , -		160:15

172:15 173:4 175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	11:11  thirteen     173:11     174:3  thirty 98:8     163:7  Thomas 2:8     11:5 20:7  thousand     26:12,15,1     7 29:12     38:21     72:3,25     73:11     139:16     196:16     213:14,16  throughout     11:14 22:2     45:16     50:11     69:21     70:22	timelines     124:5     125:2  timetable     4:6 14:2  title     31:13,14     49:4 67:5  today 9:7     10:20     13:20     59:21     71:22     110:4,20     117:23     118:2,4     122:19     125:13     127:15     172:8     175:3     191:14     202:23	205:12  tolls 6:16 57:12 58:15,17 81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3  tomorrow 67:18,21 225:25	29:17 32:16 33:3 35:23 37:9 38:23 40:1 45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21 24:4
170:12,14 172:15 173:4 175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	thirteen 173:11 174:3  thirty 98:8 163:7  Thomas 2:8 11:5 20:7  thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  throughout 11:14 22:2 45:16 50:11 69:21	124:5 125:2 timetable 4:6 14:2 title 31:13,14 49:4 67:5 today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	tolls 6:16 57:12 58:15,17 81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	32:16 33:3 35:23 37:3 38:23 40:1 45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
170:12,14 172:15 173:4 175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	thirteen 173:11 174:3  thirty 98:8 163:7  Thomas 2:8 11:5 20:7  thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  throughout 11:14 22:2 45:16 50:11 69:21	124:5 125:2 timetable 4:6 14:2 title 31:13,14 49:4 67:5 today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	tolls 6:16 57:12 58:15,17 81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	32:16 33:3 35:23 37:3 38:23 40:1 45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
172:15 173:4 175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	173:11 174:3 thirty 98:8 163:7 Thomas 2:8 11:5 20:7 thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16 throughout 11:14 22:2 45:16 50:11 69:21	125:2  timetable 4:6 14:2  title 31:13,14 49:4 67:5  today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	57:12 58:15,17 81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3  tomorrow 67:18,21	35:23 37:9 38:23 40:1 45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17 tr 117:1 track 13:21
173:4 175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	174:3  thirty 98:8  163:7  Thomas 2:8  11:5 20:7  thousand  26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  throughout  11:14 22:2 45:16 50:11 69:21	timetable 4:6 14:2  title 31:13,14 49:4 67:5  today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	58:15,17 81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	38:23 40:14 45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17 tr 117:1 track 13:21
175:6 178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	thirty 98:8 163:7 Thomas 2:8 11:5 20:7 thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16 throughout 11:14 22:2 45:16 50:11 69:21	4:6 14:2  title     31:13,14     49:4 67:5  today 9:7     10:20     13:20     59:21     71:22     110:4,20     117:23     118:2,4     122:19     125:13     127:15     172:8     175:3     191:14     202:23	81:18 82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	45:3 86:14 90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17 tr 117:1 track 13:21
178:2 184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22  they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	163:7  Thomas 2:8 11:5 20:7  Thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  Throughout 11:14 22:2 45:16 50:11 69:21	title     31:13,14     49:4 67:5  today 9:7     10:20     13:20     59:21     71:22     110:4,20     117:23     118:2,4     122:19     125:13     127:15     172:8     175:3     191:14     202:23	82:3,16,20 83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	90:19 101:8 175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17 tr 117:1 track 13:21
184:8 192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	163:7  Thomas 2:8 11:5 20:7  Thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  Throughout 11:14 22:2 45:16 50:11 69:21	31:13,14 49:4 67:5 today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	83:7 93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	101:8 175:20 222:1 234:14 237:10 totally 27:21 30:14 touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
192:15 195:18 206:20 211:21 221:16 228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	Thomas 2:8 11:5 20:7 Thousand 26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16 Throughout 11:14 22:2 45:16 50:11 69:21	31:13,14 49:4 67:5 today 9:7 10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	93:15,16 164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	175:20 222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
195:18 206:20 211:21 221:16 228:12 229:9 238:22  they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	11:5 20:7  thousand     26:12,15,1     7 29:12     38:21     72:3,25     73:11     139:16     196:16     213:14,16  throughout     11:14 22:2     45:16     50:11     69:21	49:4 67:5  today 9:7  10:20  13:20  59:21  71:22  110:4,20  117:23  118:2,4  122:19  125:13  127:15  172:8  175:3  191:14  202:23	164:23 170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	222:1 234:14 237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
206:20 211:21 221:16 228:12 229:9 238:22  they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  throughout 11:14 22:2 45:16 50:11 69:21	today 9:7  10:20  13:20  59:21  71:22  110:4,20  117:23  118:2,4  122:19  125:13  127:15  172:8  175:3  191:14  202:23	170:2 192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	234:14 237:10 totally 27:21 30:14 touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
211:21 221:16 228:12 229:9 238:22  they'd 107:25  they'll 239:25  they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  **Throughout** 11:14 22:2 45:16 50:11 69:21	10:20 13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	192:1,16,2 0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	237:10  totally 27:21 30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
211:21 221:16 228:12 229:9 238:22  they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	26:12,15,1 7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16  **Throughout** 11:14 22:2 45:16 50:11 69:21	13:20 59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	0 193:21 194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	totally 27:21 30:14 touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
228:12 229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	7 29:12 38:21 72:3,25 73:11 139:16 196:16 213:14,16 <b>throughout</b> 11:14 22:2 45:16 50:11 69:21	59:21 71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	27:21 30:14 touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
229:9 238:22 they'd 107:25 they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	38:21 72:3,25 73:11 139:16 196:16 213:14,16 <b>throughout</b> 11:14 22:2 45:16 50:11 69:21	71:22 110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	194:16 195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	27:21 30:14 touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
238:22  they'd  107:25  they'll  239:25  they're 6:5  11:7,8  16:9 68:2  70:7 96:25  97:10  110:5  123:12	72:3,25 73:11 139:16 196:16 213:14,16	110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	195:8 196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	30:14  touch 59:20  towards 58:12 124:17  tr 117:1  track 13:21
they'd     107:25  they'll     239:25  they're 6:5     11:7,8     16:9 68:2     70:7 96:25     97:10     110:5     123:12	73:11 139:16 196:16 213:14,16 <b>throughout</b> 11:14 22:2 45:16 50:11 69:21	110:4,20 117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	196:3,5 197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	touch 59:20 towards 58:12 124:17 tr 117:1 track 13:21
107:25  they'll 239:25  they're 6:5  11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12  t	139:16 196:16 213:14,16 <b>throughout</b> 11:14 22:2 45:16 50:11 69:21	117:23 118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	197:6 198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	towards 58:12 124:17 tr 117:1 track 13:21
107:25  they'll 239:25  they're 6:5  11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	196:16 213:14,16 <b>throughout</b> 11:14 22:2 45:16 50:11 69:21	118:2,4 122:19 125:13 127:15 172:8 175:3 191:14 202:23	198:22 199:1 200:6,11,1 3 tomorrow 67:18,21	58:12 124:17 <b>tr</b> 117:1 <b>track</b> 13:21
they'll 239:25 they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12 t	213:14,16  throughout     11:14    22:2     45:16     50:11     69:21	122:19 125:13 127:15 172:8 175:3 191:14 202:23	199:1 200:6,11,1 3 tomorrow 67:18,21	58:12 124:17 <b>tr</b> 117:1 <b>track</b> 13:21
239:25  they're 6:5  11:7,8  16:9 68:2  70:7 96:25  97:10  110:5  123:12	11:14 22:2 45:16 50:11 69:21	125:13 127:15 172:8 175:3 191:14 202:23	200:6,11,1 3 tomorrow 67:18,21	124:17 tr 117:1 track 13:21
they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	11:14 22:2 45:16 50:11 69:21	127:15 172:8 175:3 191:14 202:23	3 <b>tomorrow</b> 67:18,21	<pre>tr 117:1 track 13:21</pre>
they're 6:5 11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	11:14 22:2 45:16 50:11 69:21	172:8 175:3 191:14 202:23	tomorrow 67:18,21	track 13:21
11:7,8 16:9 68:2 70:7 96:25 97:10 110:5 123:12	45:16 50:11 69:21	175:3 191:14 202:23	67:18 <b>,</b> 21	
16:9 68:2 70:7 96:25 97:10 110:5 123:12	50:11 69:21	191:14 202:23	· ·	
70:7 96:25 97:10 110:5 123:12	69:21	202:23	225.25	27.7
97:10 110:5 123:12			220.20	92:11,14
110:5 123:12	10:22	010 10	237:21	92.11,14
123:12 t	73:25	212:19	240:16	tracked
	13:23	215:5		92:16
	throughput	223:23	tool 42:11	trading
141:22,24	6:20 57:20	238:1	214:4	11:13
159:15	86:14	240:3,5	toolbox	187:8
174:22	88:5,6,19,	today's 10:1	159:16	187:8
185:5	25 89:8	51:2		traditional
187:12	195:16		tools 159:16	51:20
200:12,13	196:7	toll 81:10	214:2	56:7,13
227:23	197:11	82:3,4	top 15:21	
they've	199:25	119:6	75:9 90:25	traditional
110.5		120:7	131:12	<b>y</b> 51:18
116:5 t	thrust 21:11	135:14	133:15,16	training
third 58:14	thunder	193:10,22	144:15	213:16
90:13	21:24	194:17,19,	154:3	
91:16		22,24		transacting
100:14 <b>T</b>	Thursday	197 <b>:</b> 21	159:5	181:21
101:5	67:21	198:1,10,1	231:18,22	transaction
	thus 120:11	2,17,20,21	234:9	72:18
123:1,9	170:1	199:2,5,18	topic 237:17	116:2
124:18		,19,25	topics 48:20	
206:23 t	tidy 112:5	211:19,21	_	transactions
	tight		54:6	94:17
231:15,17,	79:11,15,1	tolling	tops	174:16,23,
22,25	79.11,15,1	189:2 <b>,</b> 5	145:11,21	24
232.2	·	191:2	·	TransCanada
-	timeline	194:3	total	6:16 29:15
Thirdly	79:11	198:7	26:14,19	36:21
		200:20	27:1,2	JU.ZI

Centra Gas Ma.	nitoba - Trans	, a POLLIOIIC	) Appr.	Page 303 OI
306				
42:18,24	199:24	on 1:7 7:6	141:7	144:14
43:2,14,19	227:19		152:3	165:7
44:9 48:1	227:19	8:2,12,25 9:20	161:5,10	175:24
	transcript		166:16,24	
54:12,25	3:20 15:18	11:20,21	· ·	176:19
55:20	68:9	23:16 25:5	167:5	182:5
56:14,17,2	<b></b>	26:6 27:4	169:1,14	189:1
3,25	transfer	29:15,18,2	170:13,20	192:21
57:4,8,16,	172:1,7	2 31:5,24	182:7	222:24
22,24	183:21	32:2,22	183:4	230:2
58:11,15	187:6	33:4,11,18	184:22	turned 12:16
61:20	Transit	,24	187:18,25	55:5
76:18,21	172:1	34:3,23	189:17	118:18
81:6,15,17		35:11 <b>,</b> 25	192:3	
,21,24	transition	36:7	198:17	turning
82:3,6,13,	55:8 160:9	37:12 <b>,</b> 17	204:5,23	10:18
15,20	translate	39:20	205:9,18	17:21
87:15	75:18	44:3,10	231:7	101:5
102:19	104:21	45:20,23,2		121:8
115:12,14,		4 46:7,19	transported	101.00
18 116:1	transmission	47:10,22	36:21 44:8	<b>twe</b> 131:23
117:2	9:2	48:5 50:17	164:10	twelve
119:3,20,2	23:21,22	53:22	transports	141:14,16
1 134:23	24:3 29:10	54:2,12,18	57:9	
136:24	30:13 46:4	56:10		twenty 8:4
	59:1 69:25		treated	10:4 24:6
139:5,12	76:3 84:18	60:2,11	202:3	32:5 37:10
141:7	89:24	61:18	<b>trend</b> 89:5	38:10,24
142:7,9	113:12,22	63:20		39:4,5
160:18	116:11	65:15	trillion	44:22
164:22	123:10	71:20	53:3,4	51:12 59:2
169:17,23	124:24	74:9,11,14	<b>true</b> 175:12	77:11
170:6	132:12	,17 76:6,7	179:9	88:20
172:20	138:13	80:23 81:5		89:10
189:7,20	139:6	82:4 85:22	<b>true-up</b> 83:4	126:20,22
190:3,19	213:2	86:15 <b>,</b> 17	truncate	129:4
191:1,2,9,	213:2	87:5,12,18	229:20	148:24
21	Transmission	<b>,</b> 22	223.20	194:22
192:6,10,1	<b>s</b> 116:21	88:7,21,24	<b>try</b> 90:13	220:25
4 193:4	transparance	89:8,24	91:8 98:19	221:2,4,6
194:9,13,1	transparency	98:20	228:11	225:1,3,4
6 195:7,10	10/:9	102:2	trying 87:8	231:10
196:3,14,1	transparent	103:10	97:16	232:17
9 197:6	120:21	105:18	114:16	233:15
198:16,25	122:16	117:10,12,		
201:9,17	+	14,20	183:7	twenty-eight
205:12	transpired	118:8,9,12	191:17	213:14
211:18	59:24	119:6,15	196:13	twenty-five
226:19	194:3	120:3,6,12	200:10	26:17
	transport	,13	<b>turn</b> 9:8	
TransCanada'	74:25	121:2,8,18	10:24 12:2	two-o 153:11
<b>s</b> 57:19	170:19	122:5	13:19 22:6	type 107:21
119:9,24	172:6	139:25	58:20	142:19
120:1			66:12	151:3
195:15	transportati	140:12		1 101.0
	Į I		105:21	1

typic 53:1 207:5 234:7 109:19 205	:14
typic 53:1 207:5 234:7 109:19 205	
typic 53:1 207:5 234:7 109:19 205	
typic 53:1	:2,6,15
	89:3
typical 53:1	
typically 80.15 128.1	<b>11</b> 16:14
94:4 116:3 <b>underlying</b> 96:20 156:6 26:	_
$\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$	3:24
162.24.25	87:17
163:2 underneath /8:12 unnamed 151	:5
227:10 132:5 undertaking 128:19	. 147:19
typographic         234:3         80:20 88:5         unreliable         unreliable         171	
89:19 97:7 204:8,22	
135·24 155:5 unto 10.9	<b>ly</b> 92:5
156:6,18,2   Utica	52:6
U underpins 3 157:4 unused 92:21 Utili	
obcs 117:16	ties 3,20
119:10   under-   190:25   147:22   4.1	.3,17
<del>                                    </del>	.2 9:15
TT G 11 10	11,16,2
	.5:1
	22 26:4
1 01,13/10 1 1,77=	15 31:2
73:23	
76:18 94:11 122:1 143:9,10 59:	
70.14 99.23	6,21
unduly 39:7 upcoming	1 63:3
1 8/•/4	8,15
206:14 125:22 50:9 204:7 <b>update</b> 57:15 80:	1
	5:21
214:2 204:1 238:11 227:24 107	:3
221:25 208:14 230.11 updated 6:19 171	: 8
231:21 211:20 unfolds 196.7 u+ili	tv
1 040 4 1 010 10 1 20 24	2 <b>,</b> 7
Infortunated 100	3 <b>:</b> 19
79.10   updacing   150	1:10
65.0 60.17	
uncomfortabl 76:16 226.10 upon 7:1	
e 152:4   100:5   220:10   34:6 35:6   <b>ucili</b>	. <b>ze</b> ):25
uncommon	
142:3   119:19   170:2   111:19,20   utili	
uncontracted 122:24 192:16 154:13 133	
134:25	
141:3   United 24:24   131:13,10   233	:5
unconvention         190:21         115:23         240:20         utili	zing
<b>al</b> 199:10 183:25 <b>upper</b> 93:	9
50:9,23,24 208:9 208:20 203:6,25	
51:4,11,15 understood units 10:10 upstream ——	V
,22,25	<u></u>
32:18 83:21 17:16 54:1	
101:20 209:8 87:12,18 <b>val</b> 4	7:14

centra Gas Ma	ilittoba itali.	5. & FOLCIOII(	y Abbi.	rage 303 OI
306				
<b>valid</b> 58:16	215:13,17,	107:13	208:6	126:17
	20,22	108:8,14,2		154:18
<b>value</b> 41:15	217:21	1 109:7,22	<b>vows</b> 129:15	188:21
45:8 91:4	219:23	110:6,15,2		228:14
99:9 100:8	220:1	2 111:6	$\overline{\mathbb{W}}$	229:5,11,2
118:14		112:12,17,	wait 79:3	0,21,25
128:1,5,11	ventilate	22 228:14		239:10,17
150:10	167:21,25	229:11,21,	walking	·
163:4	versus	25 239:17	151:9	warm 38:18
174:25	181:20		wall 163:22	117:23
183:25	236:25	virtual	191:2	147:14,19
192:8		203:6		154:4
<b>values</b> 47:15	<b>viable</b> 44:12	207:14,16	wander	warmest
232:21	190:24	virtually	127:15	40:23
	210:24	42:2	Warden 3:12	
variability	212:2	-	5:4 17:8	wasn't 102:1
104:5	vice-	virtue	23:1	129:13
109:25	president	180:15	25:10,18,2	154:12
219:3,8	23:2	<b>vol</b> 234:20	1 30:18,22	191:8
variable			49:22	203:19
42:2,6	vicinity	volatile	59:19	210:24
73:12	207:10	42:2	67:2,6,10,	212:3
81:8,10	<b>view</b> 43:5	volatility	13,15,20,2	217:1
84:18,22	64:8 129:1	41:6 53:24	4	227:23
85:2,14	143:19	235:23	68:6,9,18,	ways 47:20
102:15	176:11	237:3,7	20	_
	214:10	•	69:13,23	WCSB 137:14
variables		volume	70:4,5,9,1	weather
215:21	viewpoints	62:3,11	6,18	26:23
variation	68:15	118:19	71:5,7	27:6,8,10,
143:3	<b>views</b> 63:6,9	134:15	84:4,8	13
	128:4	146:21	85:20	37:11,13,
varies 94:7		162:17	86:13	5,20,24
variety	Vince 3:12	169:22,25	100:12	38:11,25
53:23	5:4 17:7	234:18	101:3,4,17	39:4,8,20,
	23:1	238:23	,24	22
various	25:10,21	volumes 6:13		40:9,10,12
21:23	30:22	42:5 58:4	102:4,13,1 6,24	41:8 43:15
33:18	67:6,10,13	84:23	103:3,6,12	44:22 93:
35:13	,20	86:15,17,2	,22	104:5,7,10
37:16	68:6,18	3 87:21		109:20,22
69:19	69:13,23	131:15,20	104:1,3,11	113:4
92:24	70:4,9,16	133:3	,16,22,25	118:18
188:8	71:5 84:4	136:4	105:6,17	142:1
202:24	100:12	139:4	107:8,13	143:3
210:5	101:4,24	145:6	108:8,14,1	148:9
229:7	102:4,13,1	153:3	6,21	150:5
238:21	6	154 <b>:</b> 25	109:7,16,2	152:16
<b>vary</b> 93:5	103:3,6,12	155:8	2	
	•	100.0	110:6,10,1	158:22
	,22	157.9 11	= 6 -	001 1 0 4
varying	,22 104:3,11,1	157:2,11	5,22	
varying 45:17	•	192:13	111:2,6	7 225:1,5
	104:3,11,1			221:1,2,4, 7 225:1,5 226:16 231:10

encia Gas Ma	ilittoba italis	s. & FOLCIOIIC	APPI.	rage 300 or
06				
232:17	62:18	166:2,9,17	88:19	window
233:15		167:15	90:5,18	141:2,6,1
238:2	we're 15:24	168:14,17,	93:2 96:23	142:4
239:6	20:17	20 169:18	97:7 98:17	199:14
	22:24	170:5	99:13	236:9
weather-	67 <b>:</b> 25	171:21,23	110:5	
driven	71:21 79:2	203:3	112:14,19	Winnipeg
42:11	102:19,22	205:1,15	124:5,6	1:22 12:2
235:22	104:18	207:5	127:1	132:3,11
weather-	106:24		129:24	133:20
normal	110:6,8	westward	130:5	135:21
104:15,19	116:25	169:22	135:10,14	139:5
112:15	117:1	we've	136:1,3,4,	145:18
	125:25	107:1,14,1	7 138:19	205:9
website	129:8,12	5 110:15	148:20	winter
15:20,23	138:11	117:24		24:9,16
we'd 100:23	140:16	141:15	154:24	26:23,25
185:4	141:14	151:18	159:25	· ·
103:4	144:7		177:10	27:10,13
Wednesday	148:25	161:9	186:21	32:19,22,
13:5 15:16	152:12	164:8	191:14	5 40:14
week 20:24	154:17	166:16	195:20	41:18,22
	157:14	173:10	196:22	42:12,25
48:20 53:2 54:7	165:4,8	181:22	206:22	44:10,14,
54:/	178:9	189:11,16	215:14	7,22,25
weekly 54:19	179:13,25	192:5	233:11	45:6,12,1
weight	195:21	208:12	234:17	46:19
_	197:20	217:20	237:19	55:7 <b>,</b> 21
201:12	198:24	237:13	<b>whole</b> 175:20	93:8
233:11	201:14,16	240:8		121:18,19
weighted	238:1,11,1	whatever	wholesale	133:7,17,
45:12,18	9	20:18	170:19	0 134:2
welcome	9	42:23 43:6	wholly-owned	135:1,18
	west	79:21	28:2	147:9,13
7:4,20	56:21,22	80:16,17	20.2	148:5
20:4 22:3				
0.5.00	58:11	· ·	whom	149:14
25:23	58:11 115:3	94:16	91:22,24	149:14 150:4,5
25:23 188:22		94:16 132:11		150:4,5
	115:3 171:19	94:16 132:11 149:9	91:22,24 139:7	150:4,5 152:10,12
188:22	115:3 171:19 western	94:16 132:11 149:9 173:5	91:22,24 139:7 whose 51:6	150:4,5 152:10,12 20 154:14
188:22 we'll 7:7	115:3 171:19 western 11:20 33:7	94:16 132:11 149:9	91:22,24 139:7 whose 51:6 91:11	150:4,5 152:10,12 20 154:14 155:12,20
188:22 we'll 7:7 13:5 16:10 66:15 72:8	115:3 171:19 western 11:20 33:7 36:20 37:3	94:16 132:11 149:9 173:5	91:22,24 139:7 whose 51:6	150:4,5 152:10,12 20 154:14 155:12,20 161:18
188:22  we'll 7:7  13:5 16:10  66:15 72:8  157:19	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8	94:16 132:11 149:9 173:5 219:17	91:22,24 139:7 whose 51:6 91:11	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22	94:16 132:11 149:9 173:5 219:17 what-if 191:18	91:22,24 139:7 whose 51:6 91:11 wide 34:2	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14,
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9	94:16 132:11 149:9 173:5 219:17 what-if 191:18 what-ifs	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2
188:22  we'll 7:7  13:5 16:10  66:15 72:8  157:19  176:3  196:24  208:15	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14	94:16 132:11 149:9 173:5 219:17 what-if 191:18	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23	94:16 132:11 149:9 173:5 219:17 what-if 191:18 what-ifs	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:7
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2	94:16 132:11 149:9 173:5 219:17 <b>what-if</b> 191:18 <b>what-ifs</b> 191:17	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:7 177:22 178:4
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11 218:10	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2 133:3	94:16 132:11 149:9 173:5 219:17 <b>what-if</b> 191:18 <b>what-ifs</b> 191:17 <b>whereas</b>	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging 170:17	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:5 177:22 178:4 179:6,10,
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11 218:10  wellhead	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2 133:3 137:7	94:16 132:11 149:9 173:5 219:17 what-if 191:18 what-ifs 191:17 whereas 167:7 211:20	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging 170:17 width 52:14	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:3 177:22 178:4 179:6,10, 6,21
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11 218:10	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2 133:3 137:7 145:6,17	94:16 132:11 149:9 173:5 219:17  what-if 191:18  what-ifs 191:17  whereas 167:7 211:20  whereby	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging 170:17	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:5 177:22 178:4 179:6,10, 6,21 180:2,9,1
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11 218:10  wellhead 205:3	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2 133:3 137:7	94:16 132:11 149:9 173:5 219:17 what-if 191:18 what-ifs 191:17 whereas 167:7 211:20	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging 170:17 width 52:14	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:7 177:22 178:4 179:6,10, 6,21 180:2,9,1 ,19,24
188:22  we'll 7:7  13:5 16:10 66:15 72:8 157:19 176:3 196:24 208:15 209:9 212:11 218:10  wellhead	115:3 171:19 western 11:20 33:7 36:20 37:3 40:2 44:8 51:22 55:25 58:9 65:14 113:23 132:2 133:3 137:7 145:6,17	94:16 132:11 149:9 173:5 219:17  what-if 191:18  what-ifs 191:17  whereas 167:7 211:20  whereby	91:22,24 139:7 whose 51:6 91:11 wide 34:2 37:24 39:20 41:9 widely 26:20 wide-ranging 170:17 width 52:14 willing	150:4,5 152:10,12 20 154:14 155:12,20 161:18 162:7,9 175:9,14, 5,18,21,2 ,25 176:7 177:22 178:4 179:6,10, 6,21 180:2,9,1

Centra Gas Ma	nicoba - Trans	. a POLITION	J APPI.	Page 307 OI
306				
winters	68:16,21,2	17:24 18:8	132:1	
37:22	4 70:19	21:2 30:20	152:6	
147:19	71:3	61:2	153:5	
148:21,22	108:25	63:7,10	156:14	
140:21,22	221:13	·		
winter's	221:13	wrong 129:5	167:8	
179:12	wonder	226:19	176:23	
winter-	108:21		179:1	
	112:19	X	184:2	
summer	113:9		188:1	
181:16	wondered	x-axis	197:22	
wish 12:10		146:20	209:12	
111:10	237:18			
withdraw	wont 21:24	Y	Z	
	work 22:11	<u>year's</u> 39:8	<b>zero</b> 103:11	
89:19	58:25 69:8	73:17	146:20	
153:6	133:18	99:25	147:2,7,12	
221:23	151:12	198:12	148:7	
223:17	151:12		152 <b>:</b> 7	
235:17	181:17	yellow 10:20	178:2,5,25	
withdrawal		<b>yet</b> 13:16	179:7,11,2	
6:13 156:1	190:13	28:19	0	
157:1,11	worked 107:2	73:16	180:16,17,	
161:15,16	215:16	99:1,16	19	
236:9,11	217:20	·	223:16,19	
withdrawals	219:22	yielded		
36:14 44:7	working	232:7	<b>zone</b> 135:21	
204:6	15:24	Y-O-U 68:10	193:3,11,1	
204:0	49:13	you'll 12:4	4,16,20,21	
	105:12	75:22 80:9	,22	
withdrawing	215:18	88:15	194:2,23	
221:25	217:21	112:6		
withdrawn		144:14		
45:17	world 53:17	176:22		
146:22	205:21	184:24		
	worlds	222:25		
witness 5:3	205:22			
12:19		<b>yours</b> 10:23		
14:22	worst-case	yourself		
17:1,3,6	158:9	59:10		
19:14	worth 39:3	101:21		
30:19 67:4	100:20	118:19		
68:1,2,12	worthwhile			
69:1	190:12	you've 10:18		
70:19,24	190:12	22:10 38:5		
101:19	wrinkle	53:16 71:8		
189:2,6	161:20	75:11 81:3		
witnesses	write 240:11	89:21 90:4		
10:11		108:10		
12:9,12,15	writing	109:15		
,18 19:14	13:13	115:8		
22:19	written	121:3,10		
66:11,24	14:12,21	131:1		
·	,			