		Page 2460
1	STATE OF MISSOURI	
2	PUBLIC SERVICE COMMISSION	
3	TRANSCRIPT OF PROCEEDINGS	
4	Evidentiary Hearing	
5	March 11, 2015	
6	Jefferson City, MO	
7	Volume No. 33	
8		
9		
	In the Matter of Union Electric )	
10	Company, d/b/a Ameren Missouri's ) File No.	
	Tariff To Increase Its Revenues ) EU-2014-0258	
11	For Missouri Operations Company )	
	For Electric Service )	
12		
13		
14		
15	Morris L. Woodruff, Presiding	
	REGULATORY LAW JUDGE	
16		
	ROBERT S. KENNEY, Chairman	
17	WILLIAM P. KENNEY	
	DANIEL Y. HALL	
18	SCOTT T. RUPP	
	COMMISSIONERS	
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Page 2462
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		Page 2463	
1	PROCEEDINGS		
2	(Whereupon, the hearing began at 8:24 a.m.)		
3	JUDGE WOODRUFF: Let's come to order.		
4	We're back for another day of the Ameren rate case		
5	hearing, ER-2014-0258, and when we left off		
6	yesterday Mr. Smith was on the stand and we're		
7	about to commence with redirect.		
8	Mr. Smith you can come forward.		
9	MR. MALLIN: Thank you, Your Honor.		
10	The vast majority of the redirect will be under		
11	highly classified or HC. When I reach a point		
12	where I can come off I'll alert Your Honor and the		
13	attorneys present.		
14	JUDGE WOODRUFF: So you want to begin		
15	in HC?		
16	MR. MALLIN: All right. We will		
17	begin In camera.		
18	JUDGE WOODRUFF: Before we get		
19	started we've got some fans here if anyone wants		
20	them out there.		
21	Are we okay back here?		
22	CHAIRMAN KENNEY: I'm okay so far.		
23	JUDGE WOODRUFF: If anybody wants to		
24	plug in a fan feel free.		
25	MR. MALLIN: I'm going to have marked		

		Page 2464
1	the liquidity chart, I believe we're on 532 if I'm	
2	correct and if I'm wrong I apologize, Your Honor.	
3	JUDGE WOODRUFF: That is correct,	
4	532.	
5	MR. MALLIN: Thank you, Your Honor.	
6	This is 532.	
7	(REPORTER'S NOTE: An in-camera session was held,	
8	which is contained in Volume 34, pages 2464-2476 of	
9	the transcript.)	
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		Page 2477
1	JUDGE WOODRUFF: And we are back in	
2	regular session.	
3	Q. (BY MR. MALLIN) And again Mr. Smith	
4	we're now on page 18 of Exhibit 533, is that true?	
5	A. Yes, it is.	
6	Q. What information is being conveyed	
7	here with respect to the rod mill at the New Madrid	
8	facility as part of Noranda's disclosures with the	
9	SEC?	
10	A. First it indicates that we have	
11	temporarily delayed the rod mill and this is in	
12	response to our ongoing negotiations with Ameren,	
13	and we note that there can be no certainty as to	
14	when we will be able to complete the construction	
15	of the rod mill.	
16	Q. Is there any discussion with regard	
17	to whether, and what may happen if Noranda is	
18	unable to complete the rod mill?	
19	A. Yes, there are.	
20	Q. What is disclosed there?	
21	A. Well, again I could read that as	
22	well. There are a number of items that are listed.	
23	Q. Can you give us a list?	
24	A. Okay. And I'm sorry, could you just	
25	repeat the question please?	

Page 2478

- 1 Q. Sure, and I apologize, I understand
- you had surgery on your eyes, perhaps that was
- 3 inappropriate for me to have -- let me do this this
- 4 way: In paragraph 2 of this particular paragraph,
- 5 Mr. Smith, does Noranda identify for the public and
- 6 Securities and Exchange Commission what may happen
- 7 if it does not complete the rod mill?
- 8 A. Yes, it does.
- 9 Q. In terms of what penalties may exist
- 10 and things of that nature, true?
- 11 A. Yes.
- 12 MR. MALLIN: Your Honor we would move
- 13 for the admission of Exhibit 533.
- JUDGE WOODRUFF: 533 has been
- 15 offered. Any objection to its receipt?
- 16 MS. TATRO: Your Honor I note it's
- 17 not a complete copy of the 10K, just excerpts and
- 18 to the extent that MIEC would provide the entire
- 19 portion for the record, I appreciate not killing
- 20 trees unnecessarily, but --
- 21 MR. MALLIN: I would be more than
- 22 happy to do that, I know it was used yesterday and
- 23 I believe, I don't know if it was in its entirety
- 24 but I can substitute that.
- 25 And Your Honor I believe we need now

Page 2479 to remove the chart as well from the television 2. screen. 3 JUDGE WOODRUFF: It's not being web 4 cast. 5 MR. MALLIN: Okay. JUDGE WOODRUFF: The camera was not 7 pointed at it but I appreciate that. 8 MR. MALLIN: Just trying to be very careful. Thank you. 10 (BY MR. MALLIN) Let's talk a little Q. 11 bit about this wholesale proposal --12 JUDGE WOODRUFF: I'm sorry, I don't think I made a ruling. 533 will be admitted with 13 14 the substitution. 15 MR. MALLIN: Thank you, Your Honor, I 16 apologize. 17 Ο. (BY MR. MALLIN) Let's talk a little bit Mr. Smith about the wholesale proposal. Do you 18 believe Noranda did everything it could to try to 19 20 get to a wholesale proposal agreement with Ameren? 21 Α. Yes, I do. 22 Q. There seems to have been some 23 suggestion that somehow you may have reached a 24 fiduciary duty by not agreeing to one, do you 25 believe that to be the case?

Page 2480 MS. TATRO: I'm just going to object 1 2 that is absolutely a mischaracterization of what I 3 stated. I did not state that anyone at Noranda violated a fiduciary duty. 4 5 JUDGE WOODRUFF: Okay. That's what I 6 recollect as well. 7 You can go ahead and answer that 8 question about fiduciary duty --MR. MALLIN: I'll restate it Judge. 9 10 (BY MR. MALLIN) Do you believe in Q. 11 any way, sir, you breached any sort of fiduciary 12 duty as the CEO off Noranda in not reaching that agreement with Ameren? 13 14 Absolutely not. Α. 15 Why not? Q. First and foremost we entered into 16 Α. 17 good faith negotiations with Ameren. We, for a number of reasons. First and foremost they're our 18 largest supplier and we felt, we've always in every 19 20 one of the rate cases we've always tried to get to 21 a global settlement and we became very passionately committed to trying to get to a global settlement 22 in this case in part to address some of the 23 24 questions and directions from the Public Service 25 Commission itself. So we undertook these

Page 2481

- 1 negotiations in the best of faith and I can tell
- 2 you that I believe that Ameren did as well. Their
- 3 focus and their commitment of time, Michael Moehn
- 4 was very professional, we routinely met at the drop
- 5 of a hat, we had at least eight meetings face to
- 6 face, the first started with our teams and then
- 7 typically as we got later in the negotiations he
- 8 and I, well in all the negotiations he and I would
- 9 always have one-on-one time together and in many of
- 10 our later meetings it was just he and I meeting
- 11 together. We went through and looked at both
- 12 retail and wholesale structures, a wholesale
- 13 structure was proposed by Ameren to provide a rate.
- 14 We spent a lot of time on this and we ultimately
- 15 got to a point where we, there was risk created by
- 16 this structure that was, our principle had always
- 17 been if we could get the available value at the
- 18 same risk we were really quite indifferent to the
- 19 structure as long as our behaviors and the
- 20 behaviors that we wanted to exhibit could still, we
- 21 would still be participating in the process, things
- 22 like that, and we just got to a point where we had
- 23 an impasse because we weren't willing to take the
- 24 incremental risk associated with the wholesale
- 25 structure and nor was Ameren.

Page 2482

- 1 Q. Mr. Smith, was it your opinion that
- 2 any party walked away from those negotiating
- 3 tables?
- 4 A. No, not at all. In fact there was,
- 5 you know, I certainly left that last meeting very,
- 6 very disappointed and I obviously can't speak for
- 7 Mr. Moehn but there was no, nobody stormed away
- 8 from a negotiating table.
- 9 Q. You mentioned the impasse. Was there
- 10 a particular issue?
- 11 A. Yes. It was, and again it was just
- 12 the structure that was proposed by Ameren was a
- 13 wholesale structure. We worked in that vain and
- 14 when we got to the end we just realized that
- 15 although this type of risk was kind of inherent in
- 16 the structure it was, with the size of our purchase
- 17 neither party was willing to accept that risk.
- 18 Q. Let's talk a little bit about the rod
- 19 **mill**.
- 20 A. Sure.
- 21 Q. Since June of 2014 has Noranda been
- 22 able to finance all or any part of that
- 23 construction?
- A. No, we have not.
- 25 Q. Is it still the case that Noranda has

Page 2483

- 1 a customer willing to take all if not substantially
- all of the product that would be made by that rod
- 3 **mill?**
- 4 A. Yes, we do, and we're very blessed to
- 5 have a customer big enough to, you know, a single
- 6 customer to form the sufficient foundation for us
- 7 to commit to build it.
- 8 Q. And in terms of dollars and cents how
- 9 much financing has Noranda sought with regard to
- 10 that rod mill?
- 11 A. We were originally, well right now
- 12 we're seeking 15 million which is roughly a third
- of the total cost of the rod mill.
- 14 Q. And Noranda's been unable to get
- 15 **that**.
- 16 A. That's correct. And we've started on
- 17 a much higher level and Mr. Boyles can give you the
- 18 specifics on that. We started out at a much higher
- 19 level trying to finance more of the rod mill but we
- 20 were, given our financial circumstance and the
- 21 concern about power we were unable to get financing
- 22 for a larger amount. We reduced the amount to \$15
- 23 million and to date we have been unable to get that
- 24 incremental financing.
- Q. Do you believe that that has any

Page 2484

- 1 impact with regard to the refinancing that Noranda
- 2 must do in 2017 and 2019?
- 3 A. It's obviously a deep concern for me
- 4 because to have a circumstance where we have
- 5 literally an asset backed \$15 million loan that we,
- 6 that we can't get done I just have to ask the
- 7 question how are we going to get, you know, \$265
- 8 million asset back, you know, credit facility done
- 9 and then how are we going to refinance \$668 million
- 10 worth of long term debt.
- 11 Q. Do you see a path to do that?
- 12 A. Well, Mr. Boyles is probably a better
- 13 person to ask on that but I would tell you that I'm
- 14 deeply concerned because I don't see a path.
- 15 Q. Let's talk a little bit about the
- 16 layoffs that one of the commissioners asked you
- 17 about. Did in fact Noranda send out layoff notices
- 18 after the last decision?
- 19 A. We did.
- 20 Q. Did subsequently Noranda return some
- of those employees to work?
- 22 A. We did.
- 23 Q. Can you give me a little bit of
- 24 history on how that came about?
- 25 A. Certainly. By the time we finished

Page 2485

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with our, the first phases of our layoffs we had 2 reduced in total approximately 58, well not 3 approximately, we had reduced 58 people. When we encountered our difficulties associated with the, 4 5 when we encountered our difficulties associated with the pot lines and we had this surge of pot 6 7 lines that went out because we rebuilt so many at one time because of the ice storm and then we had 8 some early pot failures the reality was we just didn't have the manpower to get those lines back up 10 11 and running and if you run below a certain level of 12 pots you can actually have a pot line or more just 13 spontaneously go down so we had to rebuild these pots. In order to rebuild the pots we were going 14 15 to have to bring specialized contractors to do so, in order to do that we were going to have to get 16 17 the cooperation of the union because that's a contracted for, that's a contracted for, it's a 18 contracting out and that requires approval from the 19 20 So what we agreed with the union in order 21 to be able to accommodate bringing in those 22 contractors was that we would delay, we would bring

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additional Noranda employees into the system and

consideration of the layoffs that we had announced

then we would delay the layoffs that, any

23

24

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Page 2486 in our previous rate case testimony until the end 2 of May. 3 Q. May of 2015? Α. That's correct. 4 5 And over that period of time, so May Q. of 2015, why was that date chosen? 6 7 Well, first we expected to have a 8 determination of the rate case by then because we communicated that look, if we had the rate we would obviously honor the head count commitments and we 10 would be running the plant and taking the first 11 12 steps on our journey on sustainability. If we didn't have the rate then all bets were off and I 13 had personal conversations with the union about 14 15 that, there was obviously, you know, that was a direct communication by me to the union. 16 And just so that I understand, why 17 Ο. would Noranda be repairing or replacing a pot if it 18 19 was thinking about whether or not to curtail the 20 plant? 21 Α. Well, as I mentioned earlier the cost 22 of restarting these things can be, especially in our circumstance, prohibitive. We have now made 23 24 the decision to shut down the plant yet we are 25 still very hopeful that we can work together to get

Page 2487

- 1 rate relief and to make the facility viable and so
- 2 we didn't want these things to shut themselves
- 3 down.
- 4 Q. Any safety issue associated with the
- 5 shutdown?
- 6 A. That's another huge issue for us,
- 7 when you put people into an environment where a
- 8 facility that large when each one of these pot
- 9 lines is over 2,000 feet long and if they go out of
- 10 control and start shutting themselves down then,
- 11 you know, obviously we have a concern. We know how
- 12 to run plants safely and frankly we know how to
- 13 deal with them when we have severe challenges but
- 14 you just don't want to expose your work force to
- 15 that kind of challenge.
- 16 MR. MALLIN: Your Honor this next
- 17 section will need to be In camera.
- JUDGE WOODRUFF: Before we go In
- 19 camera how much more do you have?
- MR. MALLIN: 15 minutes probably.
- JUDGE WOODRUFF: The reason I ask is
- 22 because the people are here to fix the air
- 23 conditioning.
- MR. MALLIN: Let's recess and let
- 25 them do that.

Page 2488 JUDGE WOODRUFF: We'll take a short 1 2 break before going In camera and we'll come back at 9:20. 3 4 MR. MALLIN: Thank you, Your Honor. 5 (RECESS TAKEN BY PARTIES) 6 JUDGE WOODRUFF: All right, we're 7 back from our break and ready to get started and hopefully the air-conditioning is going to be 8 working a little bit. I see some thumbs up out 10 there so hopefully it will be a little bit cooler at this point. 11 12 MR. MALLIN: Thank you, Your Honor. 13 Are we in HC at this point? 14 JUDGE WOODRUFF: We will go into HC 15 at this point. 16 17 (REPORTER'S NOTE: An in-camera session was held, which is contained in Volume 34, pages 2488-2489 of 18 19 the transcript.) 20 21 22 23 2.4 25

Page 2490

- 1 Q. (BY MR. MALLIN) Yesterday you were
- 2 asked some questions about Apollo. Just so that
- 3 I'm perfectly clear what is the actual number of
- 4 directors on Noranda's board?
- 5 A. There are 12 including myself.
- 6 Q. 12 in total.
- 7 A. Yes.
- 8 Q. And of the 12 how many are
- 9 independent as reported to the SEC and others?
- 10 A. There are four Apollo directors then
- 11 myself and then seven independents.
- 12 Q. There were dividends paid in the past
- 13 to all shareholders, special dividends, is that not
- 14 right, sir?
- 15 A. Yes, that's correct.
- 16 Q. One of whom would have been Apollo.
- 17 A. That's correct.
- 18 Q. Do you believe that any of those
- 19 special dividends paid in the past affects
- 20 Noranda's ability today to be able to refinance its
- 21 debt in 2017 and 2019?
- MS. TATRO: I'm going to object that
- 23 this is beyond the scope of any cross that, recross
- 24 that I asked or commissioner questions. It may be
- 25 responsive to an opening statement but that's not

Page 2491

- 1 what redirect is for.
- JUDGE WOODRUFF: I'm going to
- 3 overrule the objection, I think it's fair.
- 4 A. I think the issues associated with
- 5 Apollo in general and in whole are really old news.
- 6 The last dividend, special dividend that we did was
- 7 in 2012 and I would like, and that was actually a
- 8 question that was asked by Commissioner Kenney, I
- 9 would like to make one correction to the answer
- 10 that I gave.
- 11 Our first regular quarterly dividend
- 12 didn't start in 2013, it was actually the first
- 13 quarter of 2011 so it was actually a little bit
- 14 earlier than what I stated. Really what we're
- 15 talking about now when it comes to affordable
- 16 power, and this is really all about affordable
- 17 power and how we go forward is, you know, the
- 18 future of New Madrid so frankly I think the
- 19 discussion of Apollo is a bit of a red herring and
- 20 I think that the reason that, why we're here, is to
- 21 address the issue of us having an affordable and
- 22 sustainable power aid.
- 23 Q. Just one last question Mr. Smith so
- 24 that I'm clear. Are you employed in any capacity
- 25 today by Apollo?

			Page 2492
1	Α.	I am not and never have been. I've	
2	never receive	d a paycheck from Apollo. I've always	
3	been employed	by the company that I run.	
4		MR. MALLIN: Thank you, Your Honor.	
5		JUDGE WOODRUFF: And Mr. Smith you	
6	can step down		
7	Α.	Thank you. Thank you very much for	
8	your time.		
9		JUDGE WOODRUFF: And the next Noranda	
10	witness then	would be Mr. Boyles.	
11	(Wher	eupon, the witness was sworn)	
12		MR. MALLIN: Has the witness been	
13	sworn?		
14		JUDGE WOODRUFF: Yes.	
15		MR. MALLIN: Okay. Thank you, Your	
16	Honor.		
17		DIRECT EXAMINATION	
18	QUESTIONS MR.	MALLIN:	
19	Q.	Could you state your full name?	
20	Α.	Dale Wayne Boyles.	
21	Q.	Mr. Boyles, by whom are you employed?	
22	Α.	Noranda Aluminum.	
23	Q.	In what capacity?	
24	Α.	As chief financial officer.	
25	Q.	And did you cause to have prepared	

Page 2493

- and filed with the Public Service Commission
- 2 certain direct and surrebuttal testimony for this
- 3 case?
- 4 A. Yes, I did.
- 5 Q. And are those before you as Exhibit
- 6 600 with regard to your direct testimony and 601
- 7 with regard to your surrebuttal testimony?
- 8 A. Yes.
- 9 Q. And if I were to ask you the
- 10 questions that are posed in both of those
- 11 testimonies would your answers to those questions
- 12 be the same today?
- 13 A. Yes.
- 14 Q. Is there any changes that you wish to
- 15 make with regard to those testimonies other than
- 16 the start date that you had for Noranda?
- 17 A. No other changes other than the start
- 18 date.
- 19 Q. And in order to be complete for the
- 20 record what was your start date at Noranda?
- 21 A. It was November of 2013, not October
- 22 of 2013.
- Q. And other than that change are all of
- 24 those answers still true and correct today?
- 25 A. Yes, they are.

	Page 2	494
1	MR. MALLIN: Your Honor I'd move for	
2	the admission of Exhibits 600 and 601.	
3	JUDGE WOODRUFF: 600 and 601 both HC	
4	and NP have been offered, any objection to their	
5	receipt?	
6	Hearing none they would be received.	
7	MR. MALLIN: I tender the witness	
8	Your Honor.	
9	JUDGE WOODRUFF: We'll begin with	
10	Public Counsel.	
11	MR. ALLISON: No questions.	
12	JUDGE WOODRUFF: MECG?	
13	MR. WOODSMALL: No questions.	
14	JUDGE WOODRUFF: Then for United For	
15	Missouri?	
16	MR. LINTON: No questions.	
17	JUDGE WOODRUFF: For Staff?	
18	MR. THOMPSON: No questions. Thank	
19	you, Judge.	
20	JUDGE WOODRUFF: Ameren.	
21	MR. NELSON: If it please the Court	
22	I'm going to work from the podium because I'm going	
23	to be back and forth from the Elmo quite a bit.	
24	JUDGE WOODRUFF: That is helpful.	
25		

		Page 2495
1	CROSS EXAMINATION	
2	QUESTIONS BY MR. NELSON:	
3	Q. Good morning Mr. Boyles.	
4	A. Good morning.	
5	Q. Nice to see you again, sir.	
6	A. Nice to see you.	
7	Q. I want to follow up little bit on	
8	your experience and your job history. As you've	
9	just mentioned you've been the CFO at Noranda since	
10	November of 2013, correct?	
11	A. That's correct.	
12	Q. So a little over what, 16 months?	
13	A. Approximately.	
14	Q. There about. Before that, your job	
15	before that you worked for an apparel company,	
16	correct?	
17	A. Correct.	
18	Q. Hanes.	
19	A. Hanes Brands.	
20	Q. Would it be fair to say when you were	
21	working with Hanes Brands you didn't have any	
22	experience in the metal industry?	
23	A. That would be fair.	
24	Q. They do a lot of things but aluminum	
25	isn't one of them, correct?	

			Page 2496
1	Α.	No, it's not.	
2	Q.	Before that you worked at KPMG,	
3	correct?		
4	Α.	That's correct.	
5	Q.	They're an accounting firm.	
6	Α.	That's correct.	
7	Q.	And likewise you didn't really do	
8	anything with	metals when you were with KPMG.	
9	Α.	I don't remember, I may have had some	
10	clients that	were metal producers or extruders but	
11	I don't remem	ber.	
12	Q.	Nothing that sticks out in your mind.	
13	Α.	No.	
14	Q.	Prior to that you worked at a company	
15	called Nation	al Gypsum.	
16	Α.	Yes, approximately one year.	
17	Q.	And National Gypsum, they produced	
18	and mined gyp	sum and turned it into things like	
19	wallboard.		
20	Α.	That's correct.	
21	Q.	Not anything in the aluminum	
22	industry.		
23	Α.	That's correct.	
24	Q.	You didn't do any forecasting work at	
25	National Gyps	um for example with respect to	

Page 2497 aluminum prices. 2 Α. No. 3 Before that you worked at a company called Collins and Aikman, correct? 4 5 Α. That's correct. They did automotive trim products? Q. 7 Α. That was one of their segments. 8 Q. They didn't work in the aluminum industry. 10 Α. No. It was interior trim and exterior trim type products. 11 12 And you didn't do any work in terms Q. 13 of metal, aluminum price forecasting, aluminum 14 price scenarios and things like that when you were 15 at Collins and Aikman, fair? 16 Α. That's fair. 17 Q. And before that you worked at a 18 different accounting firm, Arthur Young, correct? 19 Yes, they became Ernst and Young. Α. 20 That was one of the big six and know Q. 21 what are we down to, three or four I guess? 22 Four. Α. 23 Q. Likewise no work on metals issues 24 that you can recall, correct? 25 Not that I can recall. Α.

Page 2498

- 1 Q. So really the aluminum industry is
- 2 brand new to you as of 2013, fair?
- 3 A. It's fairly new, yes.
- 4 Q. Now, there's been some discussion in
- 5 this case about a company called Apollo. You're
- 6 familiar with Apollo.
- 7 A. Yes.
- 8 Q. And Apollo owned a pretty good chunk
- 9 of Noranda's stock, fair?
- 10 A. Yes, approximately 33, 34 percent.
- 11 Q. And as part of your work as CFO you
- 12 have to sign off on SEC documents from time to
- 13 time, correct?
- 14 A. That's correct.
- MR. NELSON: Your Honor, may I
- 16 approach the witness?
- JUDGE WOODRUFF: You may.
- 18 Q. (BY MR. NELSON) I'm going to hand
- you a 10K from December 31, 2014, part of it's been
- 20 marked as 533 and I believe ultimately the entire
- 21 thing will be substituted in as 533. So looking at
- 22 that you see on the front cover, do you recognize
- 23 that as Noranda Aluminum Holding Corporation's 10K
- 24 filing with the United States Securities and
- 25 Exchange Commission for the year ending December

Page 2499 31, 2014? 2 Α. That's correct. 3 Q. And if you turn to the very back of that document, the very last, very, very last page 4 5 there's a Chief Financial Officer Certification, 6 correct? 7 Α. Yes. 8 Q. And that's your signature. That's correct. Α. 10 And you signed that saying that Q. 11 everything in here is true to the best of your 12 knowledge and belief, correct? 13 Α. That's correct, to the best of my 14 knowledge. 15 If you turn, sir, to page 22 of the Q. document, right at the top of the page. 16 17 Α. Okay. I'm sorry. 18 We're here all day so don't worry Q. 19 about it. 20 Right at the top of that page 22 21 there's a statement about Apollo, correct? 22 That's correct. Α. 23 Q. If you read along with me, Apollo has 24 the ability to substantially influence our company 25 and the outcome of matters voted upon by our

Page 2500 shareholders and to prevent actions which a 2 shareholder may otherwise do favorably. 3 Did I read that correctly? Α. Yes. 4 5 Q. That's a statement to the Securities 6 and Exchange Commission about Apollo's continuing 7 influence over Noranda, fair? It is a risk factor that we list in 8 9 our 10K. 10 And the next paragraph down you talk Q. 11 about Apollo owning a little over 33 percent of the 12 common stock, do you see that? Yes. 13 Α. 14 Q. And that paragraph ends with the 15 sentence thus, Apollo has the ability to significantly influence our decisions. 16 17 Did I read that correctly? 18 Α. Yes. 19 Likewise a true statement? Q. 20 They do through being members of the

Well, we have to have an independent

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And the fact that they're a 33

percent shareholder of the company, correct?

board per the Stock Exchange rules so they could

board of directors, yes.

Q.

Α.

21

22

23

2.4

25

Page 2501

- 1 never be the majority of the board. So they can
- 2 influence decisions as members of the board of
- 3 directors.
- 4 Q. But you're not suggesting to us based
- 5 on your corporate history that if one company that
- 6 owns a third of a company you work for doesn't have
- 7 any influence, you're not telling us that, are you?
- 8 A. No, we list it as a risk factor.
- 9 They have influence as members of the board of
- 10 directors.
- 11 O. Let's talk about CRU. You've heard
- 12 of them.
- 13 A. Yes.
- 14 Q. You'd agree with me they're an
- 15 intelligence firm that provides aluminum market
- 16 data and forecasts?
- 17 A. Yes.
- 18 Q. You consider them to be an expert in
- 19 the aluminum market, correct?
- 20 A. Yes.
- Q. And in fact you use their data in
- your operations.
- 23 A. Yes, we do.
- 24 Q. You communicate CRU data to others.
- 25 A. We do occasionally, yes.

			Page 2502
1	Q.	For example you communicate it to	
2	your investor	s.	
3	Α.	Yes.	
4	Q.	Communicate it to analysts, Wall	
5	Street types.		
6	Α.	That's correct.	
7	Q.	And you're familiar with Mr. Colin	
8	Pratt.		
9	Α.	Yes, I am.	
10	Q.	He works for CRU, doesn't he?	
11	Α.	Yes, he does.	
12	Q.	And you in fact have read his direct	
13	testimony.		
14	Α.	Yes, I have.	
15	Q.	Didn't disagree with anything he said	
16	in there, did	you?	
17	Α.	No.	
18	Q.	You've read his surrebuttal	
19	testimony.		
20	Α.	Yes, I have.	
21	Q.	You didn't disagree with anything you	
22	read in there	either.	
23	Α.	No.	
24	Q.	You didn't question anything you read	
25	in there.		

Page 2503 Α. I didn't question anything, I've 1 2 certainly looked at his observations and took them 3 into context of all scenarios that we prepared. In fact, you relied on some of Mr. 4 Q. 5 Pratt's testimony to do some of the work you did in 6 this case, correct? 7 Α. That is correct. We work very closely with CRU. 8 9 Q. And you're aware that CRU puts out 10 quarterly and annual forecasts of aluminum prices, correct? 11 12 Yes. 13 Q. And those are forecasts that you rely 14 upon in your daily work? 15 Occasionally in preparing forecasts, Α. 16 yes. 17 Q. And you did some scenarios, now you also did some scenarios in this case of 18 hypothetical future aluminum prices, correct? 19 20 That's right. As part of our risk Α. 21 contingency plan. 22 Q. Let's talk about the scenarios you 23 put together. 2.4 I'm sorry, did you say you did that

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as part of your risk contingency plan?

25

Page 2504

- 1 A. Yes. We did some, you know, these
- 2 scenarios as a way to demonstrate the likely
- 3 outcomes but we didn't have a way to analyze the
- 4 volatility of aluminum prices prior to my arriving
- 5 at the company, so we prepared a more robust
- 6 analysis now.
- 7
  Q. You did those scenarios for this
- 8 case, didn't you?
- 9 A. Yes, but the company lacked that
- 10 capability to begin with and it was something I
- 11 believe that we needed as a company.
- 12 Q. Now, you started your analysis, those
- 13 scenarios you put together, first thing you did was
- 14 said let's figure out a length of an aluminum price
- 15 cycle, correct?
- 16 A. I believe that was one of the first
- 17 assumptions we looked at, yes.
- 18 Q. Now, you didn't run a statistical
- analysis to determine the length of an aluminum
- 20 price cycle, correct?
- 21 A. No, I did not run a statistical
- 22 analysis but what I did do is look at the projected
- 23 average price that CRU was projecting over the next
- 24 10 years so we took that based on, along with other
- 25 information based on information I gathered from

Page 2505

- 1 internal resources that have been in the industry
- 2 for many years to develop a 10 year cycle.
- 3 Q. Maybe I wasn't real clear.
- 4 A. I just wanted to make sure, we didn't
- 5 pull it out of the air.
- 6 Q. You didn't run a statistical analysis
- 7 to determine the length of an aluminum price cycle,
- 8 assuming that that could even be done, fair?
- 9 A. No, we did not run a statistical
- 10 analysis.
- 11 Q. Now that would be one way you could
- 12 determine whether or not there was an aluminum
- 13 price cycle of a defined length, correct?
- 14 A. It would be one way of many ways.
- 15 Q. It would be a way that a scholar, an
- 16 economist or somebody who's trained in statistics
- would do that, fair?
- 18 A. That's fair but we don't have the
- 19 ability to be able to afford a full-time economist
- 20 on staff so we have to make use of the best
- 21 resources and information available that we can.
- 22 Q. How much have you paid CRU in this
- 23 case?
- A. I have no idea.
- Q. Another way to establish a cycle is

Page 2506

- simply to assume one, correct?
- 2 A. Yes. Another way is just to assume
- 3 one.
- 4 Q. And that's what you chose to do, you
- 5 chose to assume the length of a price cycle?
- 6 A. Based on the best information I had
- 7 available to make that decision. I didn't pull it
- 8 out of the air.
- 9 Q. And let's talk for a minute about the
- 10 cycle length. The length of the cycle is important
- 11 to the rest of your analysis, isn't it?
- 12 A. It is, but, you know we did start
- 13 with a 10 year cycle but as we, you know, submitted
- 14 our request we only show seven years so essentially
- it's a 10 year cycle and we showed a seven year
- 16 cycle as well.
- 17 O. I'm not a statistician but I think I
- 18 understand this, see if you and I can agree on
- 19 this. If you have a cycle of 10 years you're going
- 20 to have some years that are going to be below sort
- of the average line and some years that are going
- 22 to be above, correct?
- 23 A. That's correct.
- Q. That's why you call it a cycle.
- 25 A. Right.

Page 2507

- 1 Q. If you have a five year cycle you're
- 2 going to have some years below your average line
- 3 and some years above your average line, correct?
- 4 A. That's correct.
- 5 Q. But if you have a five year cycle the
- 6 down years and the up years all have to occur
- 7 within that five year time period, right?
- 8 A. Well, in any time period they all
- 9 have to occur.
- Q. Right.
- 11 A. So it doesn't matter if it's five,
- 12 10, 15, 50, right?
- 13 Q. I was just using five as an example.
- 14 If we use six instead, the down years and the up
- 15 years would all have to occur within that six year
- 16 period, right?
- 17 A. That's correct.
- 18 Q. In the scenarios that you ultimately
- 19 chose, your scenarios A1, A2 and A3, you have down
- years all the way year one to year seven, right?
- 21 A. I'm sorry, down years as of what?
- 22 Q. Well, years you're below the average.
- 23 A. Below the average of what?
- 24 Q. Below your average of your cycle for
- 25 the entire 10 years.

Page 2508

- 1 A. In my scenarios, in my exhibits what
- 2 I did was start with the mean and then we based,
- 3 you know, calculated the volatility based on
- 4 historical volatility ranges so then we calculated
- 5 the prices from there, we didn't just put in
- 6 prices.
- 7 Q. Let me see if I can help you.
- 8 A. Maybe I didn't understand your
- 9 question.
- 10 Q. Were you here yesterday when we
- 11 talked to Dr. Humphreys?
- 12 A. Yes, I was.
- 13 Q. And you understand then that that
- 14 blue line, that's your prices in terms of the A2
- average that you calculated, the A2 scenario?
- 16 A. I don't know for sure. I don't know
- 17 the source of this data.
- 18 Q. Looks about right now, doesn't it?
- 19 A. Yes, this is I believe one scenario
- 20 that was picked so I don't know if it, it's, you
- 21 know, representative.
- Q. Okay. Well, we can answer that in a
- 23 minute. Let's stick with A2 here for a minute.
- 24 A. Okay.
- 25 Q. In the A2 scenario you have what,

Page 2509

- 1 years one through six or one through seven where
- 2 the price is pretty low?
- 3 A. I would have to look at my testimony.
- 4 Q. Well, just look at that red line,
- 5 that's the CRU average price of \$1.06. Does your
- 6 blue line look lower than the red line?
- 7 A. Yes, the average was \$1.06 that we
- 8 started with, they computed the volatility, that's
- 9 correct.
- 10 Q. And as we talk about with any cycle
- 11 the way you call it a cycle is you've got a whole
- 12 bunch of really high prices in the last two or
- 13 three years, right?
- 14 A. Yes. You have peaks and you have
- 15 troughs.
- 16 Q. Peaks and troughs.
- 17 A. That's correct.
- 18 Q. Exactly. If we were to draw that as
- a five year cycle we'd have to have those high
- 20 prices in the first five years, correct?
- 21 A. Maybe under this one, yes. Right.
- Q. That's again our definition of cycle?
- 23 A. But you have to establish conditions
- of where you are today to be able to assume the
- 25 right scenario.

Page 2510

- 1 Q. We'll get to that in a minute. But
- 2 the point is, would you believe me or do I need to
- 3 show you, if I put up your A1 graph and your A3
- 4 graph we're going to see those blue lines are going
- 5 to be below the average in the first five, six
- 6 years. Can we agree on that or do I need to show
- 7 you?
- 8 A. Well, I don't know, I didn't graph
- 9 them out, I just, you know, they're in my
- 10 testimony.
- 11 Q. Okay. So you took a 10 year cycle,
- 12 correct?
- 13 A. That's correct.
- 14 Q. But in fairness you'd acknowledge
- 15 that the actual cycle that might apply could be
- 16 more or less?
- 17 A. Could be more or less and I believe
- 18 Mr. Humphreys yesterday could not define an actual
- 19 cycle.
- 20 Q. In fact the reason he couldn't define
- 21 an actual cycle given his 37 years of experience
- 22 and his service on statistical boards and his
- 23 service as a chief economist is because he said
- 24 particularly with globalization there is no defined
- 25 cycle. You heard that, correct?

Page 2511

- 1 A. I heard his testimony, yes, but again
- 2 the best information I had to determine that 10
- 3 year cycle.
- 4 Q. To assume a 10 year cycle, fair?
- 5 A. Well, yes. There's all kinds of
- 6 assumptions in the model.
- 7 Q. Now, you've never used this model
- 8 before at Noranda, have you?
- 9 A. No. As I said we've recently
- 10 developed this more robust analysis, you know, to
- 11 use.
- 12 Q. And you didn't generate an analysis
- 13 like this before this case sort of for ordinary
- 14 course work at Noranda, fair?
- 15 A. That's fair.
- 16 Q. When you did this cycle analysis you
- generated 11 different what you call I think
- 18 volatility curves?
- 19 A. Yes. Scenarios, uh-huh.
- 20 Q. Scenarios. Now, you only took three
- 21 of those 11 scenarios in your direct testimony and
- worked them through all the way to a final answer,
- 23 correct?
- A. That's correct.
- 25 Q. You disregarded eight of them, you

Page 2512

- picked three to study further, correct?
- 2 A. That's correct. We eliminated
- 3 certain of those cycles because of the starting
- 4 conditions.
- 5 Q. And you call those, the ones you
- 6 picked, you call those A1, A2 and A3.
- 7 A. I believe those are exhibit numbers,
- 8 yes.
- 9 Q. Okay. And in your surrebuttal you
- 10 told us the reason you picked these three was
- 11 because of some testimony by Mr. Pratt, correct?
- 12 A. Yes, about beginning market
- 13 conditions. Because when you look at the scenarios
- 14 as Mr. Humphreys said yesterday it's difficult to
- 15 predict where you are in a cycle, I agree, but I
- 16 can't just throw up my arms and say I give up. You
- 17 know, for me as CFO I've got to evaluate the best
- 18 information I have at that time and make the best
- 19 judgments I can so I have to try to pick a place so
- 20 we work closely with CRU to determine that starting
- 21 point.
- 22 Q. So you work closely with CRU.
- 23 A. That's correct.
- Q. And this was before you put together
- your direct testimony?

Page 2513

- 1 A. During the preparation.
- Q. Well, there was a date you filed your
- 3 direct testimony, right?
- 4 A. That's correct.
- 5 Q. And is it your testimony you worked
- 6 closely with CRU prior to that date?
- 7 A. We did have some discussions about
- 8 what were the right starting points and things like
- 9 that, various assumptions.
- 10 Q. You told us in your testimony, and I
- 11 think we heard in opening too, that you worked
- 12 closely with CRU.
- 13 A. Yes, we worked closely with.
- 14 Q. Did you work closely with CRU before
- you filed your direct testimony?
- 16 A. We certainly had conversations, yes.
- 17 Q. You had some conversations.
- 18 A. Yes.
- 19 Q. You talked to them a little bit.
- 20 A. Yes.
- Q. Okay. Now, in the testimony for Mr.
- 22 Pratt that you relied on in terms of picking which
- of these 11 scenarios you wanted to talk about with
- 24 the Commission, that testimony was that the market
- was not expected to be tight over the next several

Page 2514

- 1 years, correct?
- 2 A. That's correct. Meaning there did
- 3 not seem to be upward pressure on pricing to raise
- 4 prices.
- 5 Q. So you interpreted that testimony as
- 6 Mr. Pratt saying there would be no significant
- 7 upward or downward trends for 2016, correct?
- 8 A. That's correct. And I believe he
- 9 also added the year 2017 to that.
- 10 Q. And that was going to be my next
- 11 question, you understood his testimony to be no
- 12 significant upward or downward trends for 2017,
- 13 correct?
- 14 A. In the near term.
- 15 Q. And in fact if we look at your A2
- 16 case you are, you're pretty significantly under
- 17 CRU's forecast for 2016, 2017 and 2018, is that
- 18 fair?
- 19 A. No, I don't think it's significantly
- 20 different.
- Q. You don't think the difference
- 22 between that green line, that green bar and that
- 23 blue line is significant?
- 24 A. It depends on what day you're talking
- 25 about too because prices have changed since we

Page 2515

- 1 started with the model and through, you know, the
- 2 most recent date of that as talked about yesterday.
- 3 Q. I'm sorry, I didn't ask you about
- 4 prices yesterday, I'm talking about the work you
- 5 did for your direct testimony, okay?
- 6 A. Okay.
- 7 Q. Let's stick with that for the time
- 8 being. Fair?
- 9 A. That's fair.
- 10 Q. Now, you believe that Mr. Pratt and
- 11 CRU actually had already factored in this no tight
- 12 market to their forecast, correct?
- 13 A. I'm not sure but I would assume so.
- 14 Q. You believe that to be the case.
- 15 A. Yes. I believe he stated that there
- 16 is volatility implicit in the near term forecast.
- 17 Q. So when we're looking at these green
- 18 bars which are CRU's forecast numbers, they already
- 19 have this no tight market condition built in best
- of your belief, correct?
- 21 A. Best of my knowledge. But it doesn't
- 22 factor in all volatility.
- Q. And you'd agree with me that Mr.
- 24 Pratt didn't testify and he didn't tell you that
- 25 prices were going down in 2015, 2016 or 2017,

Page 2516 1 correct? 2 Α. That's correct. 3 Ο. An in fact Noranda's internal consensus when you talked to the other people in 4 5 the C suite offices, the other leaders, their 6 internal consensus was no different from Mr. 7 Pratt's observation, fair? No, we didn't have anything to 8 Α. 9 dispute that information. 10 Q. Now, follow up a little bit more on 11 your discussions with Mr. Pratt and I want to focus 12 on the discussions you had with Mr. Pratt before 13 you gave your direct testimony. Okay? 14 Α. Okay. 15 Q. And, but let's set a time line. gave your direct testimony, correct? 16 17 Α. Yes. 18 Let's fix that point in our mind. Q. And then Dr. Humphreys filed a rebuttal after your 19 20 direct testimony, correct? 21 Α. Yes. 22 Q. And then after Dr. Humphreys filed a rebuttal Mr. Pratt filed a surrebuttal, correct? 23 That's correct. 2.4 Α. 25 And you've read that surrebuttal, Q.

Page 2517

- 1 you've already told us that.
- 2 A. Yes.
- 3 Q. And so you saw in that surrebuttal
- 4 where Mr. Pratt said you can't predict peaks and
- 5 troughs in a cycle. You saw that, correct?
- A. Yes.
- 7 Q. Peaks being things like this little
- 8 blue line that goes up and troughs being the one
- 9 right here that goes down, those are peaks and
- 10 troughs, correct?
- 11 A. That's correct.
- 12 Q. In fact Mr. Pratt said it would the
- 13 lessor of two evils with a smooth line forecast,
- 14 correct?
- 15 A. I don't remember that statement.
- 16 Q. Did you read his deposition too, Mr.
- 17 Pratt's deposition?
- 18 A. No, I did not.
- 19 Q. Do you know if he used the word
- 20 misleading in talking about trying to predict peaks
- 21 and troughs?
- 22 A. No, I did not.
- Q. Now in your surrebuttal you said that
- 24 the three cycles that you selected were not
- 25 sufficiently representative of potential price

Page 2518

- 1 cycles, you read that, right?
- 2 A. I did.
- 3 O. You read in his surrebuttal when he
- 4 talked about you can't predict the timing of cycles
- 5 with accuracy, you saw that.
- A. I don't remember those words, it
- 7 might be approximately true.
- 8 Q. Well, I don't want to misquote him,
- 9 **so.**
- 10 A. I just don't remember all of his
- 11 testimony right here.
- 12 **Q.** Sure.
- 13 I'm looking at page 2 of his
- 14 surrebuttal and if you'd like me to come over and
- show it to you I can, but page 2 of his
- surrebuttal, line 12, Mr. Pratt says I believe Dr.
- 17 Humphreys and I agree that the timing of these
- 18 cycles can not be predicted with any accuracy.
- Does that refresh your memory?
- 20 A. Right. It's hard to predict what
- 21 we've tried to do with our scenario planning
- 22 because I can't just give up, I've got to do
- 23 something so --
- Q. Sir, I'm not asking you about giving
- 25 up, I'm asking you about what Mr. Pratt said, okay?

Page 2519

- 1 A. Right.
- 2 Q. Thank you.
- 3 And Mr. Pratt said that you couldn't
- 4 predict these cycles, I'm sorry, Mr. Pratt also
- 5 was, said that these cycles were not potentially,
- 6 were not sufficiently receptive of potential price
- 7 citations also because each of the scenarios you
- 8 chose, each of those three, showed a long sequence
- 9 of negative deviations from trend in the first
- 10 years of the cycle, correct?
- 11 A. That's correct. So that's why we
- 12 provide additional data.
- 13 Q. Okay. So what we're talking about
- 14 here is the fact that this blue line is under the
- green bars going out six, seven years into the
- 16 future, that's what we're talking about this long
- 17 negative deviation from trend.
- 18 A. Yes, but that's based on history.
- 19 Q. Well, again we're talking Mr. Pratt's
- 20 criticisms of your model.
- 21 A. But you were talking those particular
- 22 lines, that's based on history.
- Q. That's what he's referring to though,
- 24 fair?
- 25 A. Right. Yes.

Page 2520

- 1 O. Mr. Pratt also told us in his
- 2 surrebuttal that he thought you should have picked
- 3 a broader range of samples to show the Commission,
- 4 correct?
- 5 A. Yes. And we did in my surrebuttal.
- 6 Q. So when you were working and having
- 7 these conversations with Mr. Pratt provided by your
- 8 direct testimony did you just ignore all of these
- 9 points?
- 10 A. No, we didn't. We give them
- 11 consideration and that's why we provide the
- 12 different scenarios in this case but also to
- 13 understand, to give a visibility to the different
- 14 scenarios that we looked at.
- 15 Q. I'm sorry, again I'm referring to
- 16 your direct testimony. Let's focus on that time
- 17 frame.
- 18 A. Okay.
- 19 Q. Did you just ignore Mr. Pratt's
- 20 criticisms when you went ahead and filed your
- 21 direct testimony or had you not even heard it at
- 22 that point?
- 23 A. I'm not sure at what point I heard
- 24 him, I don't remember that exact date but I did
- 25 consider those models and we thought that the three

Page 2521 we filed were the most representative outcomes of our scenario planning at that time. 3 Q. Now, the three scenarios that you 4 ran, let's be real clear, those are not price 5 forecasts. Α. No. 7 You have not done a forecast of 8 aluminum prices in this case, correct? Α. No, we have not. 10 And you're not presenting these to 11 the Commission as forecasts, correct? 12 Α. That's correct. What these are are stress tests. 13 Q. 14 Α. That would be an accurate statement, 15 yes. Another word for it would be a 16 Q. 17 sensitivity analysis. 18 Α. Or scenarios, yes. 19 Q. Or scenario. 20 Uh-huh. Α. 21 Basically a what if, fair? Q. 22 That's fair. Α. 23 Q. Now, in order to run a stress test 24 you have to have a model or a formula or something 25 to run it through, correct?

Page 2522

- 1 A. That's correct.
- 2 Q. And in your case what you did is you
- 3 took these different prices that you calculated,
- 4 your blue lines on these kind of graphs, and you
- 5 put them into something called Noranda's enterprise
- 6 model, fair?
- 7 A. Yes. We did start with what the
- 8 actual projected mean, the CRU mean over the next
- 9 10 years being the \$1.06 and computed the
- 10 volatility based on history off of that and then
- 11 put those, and then converted those to nominal
- 12 values so that you reflect the change and then we
- 13 put those into the model, that's correct.
- 14 Q. Okay. And everything that you just
- 15 told us up until the last sentence, that was all
- about these blue lines you were calculating,
- 17 correct? It's not about putting it in the
- 18 enterprise model, that's about how you got the
- 19 prices to begin with?
- 20 A. Yes. That's how we determined the
- 21 volatility, that's correct.
- 22 Q. And that's all the stuff that we just
- 23 went through, all of Mr. Pratt's criticisms, right?
- 24 A. Right. That's the math around the
- 25 volatility because no one can predict the

Page 2523 1 volatility. 2 So let's talk now about the Q. 3 enterprise model, let's move forward in your analysis and talk about the enterprise model. 5 you with me? Α. Okay. 7 Q. And in that enterprise model you put 8 aluminum prices that you'd assumed into it, correct? 10 That's correct. Α. 11 And then you had some other factors Q. 12 for things like different kinds of costs that you 13 were assuming, correct? 14 Α. That's correct. 15 Q. You had capital expenditures that you assumed as part of all of this? 16 17 Α. That's correct. 18 And at the end of the day you came Q. out with some liquidity figures that you provided 19 20 the commission, fair? 21 Α. That's correct. 22 Q. So you what you do is you put in some 23 inputs or assumptions and you see how that changes 24 the output, that's basically what we're talking 25 about when we're talking about a scenario or

Page 2524

1				-	
Τ	sens	1t1	.vıty	analy	ysıs.

- 2 A. It is but you have to take all those
- 3 assumptions of each other because they're all
- 4 highly correlated or related so you can't just
- 5 arbitrarily pick as an assumption and plug it into
- 6 the model.
- 7 Q. Well you could but the worse the
- 8 assumption the worse the output, correct?
- 9 A. Well, the math may work but you just
- 10 can't change one without giving consideration of
- 11 how this might impact the other assumptions.
- 12 Q. Now, I think you used the term
- 13 representative scenarios to describe these
- scenarios in your direct testimony, do you recall
- 15 **that?**
- 16 A. Yes. Three, yes.
- 17 Q. Now, when you were using that term
- 18 representative scenarios what you meant was
- 19 receptive of the various scenarios that you ran,
- 20 correct?
- 21 A. Yes, receptive of what the most
- 22 likely starting points would be.
- 23 Q. And most likely, when you use the
- 24 term most likely that means the most likely of the
- 25 scenarios you ran, correct?

Page 2525

- 1 A. Of the 11, yes.
- 2 Q. So from a universe of 11 when you
- 3 said to the Commission when you say hey this
- 4 scenario or that scenario was most likely you mean
- 5 the most likely of the 11 you chose to run?
- 6 A. Yes, the most likely of those 11
- 7 scenarios, that's correct.
- 8 Q. Now, when you used the term likely in
- 9 describing your scenarios for the Commission you
- 10 weren't including any actual calculation of
- 11 probability, correct?
- 12 A. That's correct.
- 13 Q. You weren't applying some sort of
- 14 statistics to this to say oh, I got a plus or minus
- 15 margin of error, right?
- 16 A. That's correct. We did not apply
- 17 statistical analysis.
- 18 Q. You weren't saying this scenario is
- 19 more likely to occur than CRU's forecast, nothing
- 20 like that, correct?
- 21 A. Well, we did say that the three
- 22 scenarios were the most representative of the 11
- 23 that we ran which included some of the CRU
- 24 information.
- 25 Q. Right. But you didn't run a

Page 2526

- 1 probability analysis of any sort to even suggest to
- 2 the Commission that it's somehow more likely that
- 3 one of your negative scenarios is going to occur
- 4 than CRU's best estimate forecast, correct?
- 5 A. We did not run a statistical
- 6 analysis, that is correct.
- 7 Q. You haven't done any calculation of
- 8 distribution probabilities around CRU's forecast?
- 9 A. No, we did not. We relied on them as
- 10 an expert.
- 11 Q. And you'd agree with me that the
- 12 three scenarios you chose have the most negative
- 13 cash flow events of any of the 11 scenarios,
- 14 correct?
- 15 A. Those are the outcomes, that's not
- 16 what we, you know, we did not pick those outcomes,
- 17 that's a result of the analysis we prepared.
- 18 Q. No, you picked the prices and that's
- 19 the outcomes you got, correct?
- 20 A. We chose the mean as I said from CRU
- 21 over the next 10 years and then we computed the
- 22 volatility based on actual historical volatilities
- 23 so we did not compute or select arbitrarily the
- 24 prices into the model so it was a computation of
- 25 historical volatility.

Page 2527

- 1 Q. You didn't run a single scenario
- using CRU's forecast, correct?
- 3 A. Their forecast is included, embedded
- 4 in the scenarios.
- 5 Q. You don't have a single scenario that
- 6 you've run and shown to this Commission either on
- 7 direct or on surrebuttal where you plugged in as
- 8 the prices the CRU best estimate prices, correct?
- 9 A. Sorry, that's rather broad. My 2015
- 10 price was the CRU price at the time.
- 11 Q. I'll grant you that.
- 12 A. And I used the CRU forecast of 10
- 13 year mean average, okay, so I did use portions of
- 14 the forecast so I'm not sure which particular part
- 15 you're referring to.
- 16 Q. Sure. Let me be a little more
- 17 specific.
- 18 A. Okay.
- 19 Q. For 2017 there's a price that's well
- above your blue line price, correct?
- 21 A. For 2017? Are you talking about the
- 22 green part or which one are you talking about?
- 23 Could you ask that again, I'm sorry?
- 24 Q. Yeah, sure. The green bar which is
- 25 CRU's forecast price for 2017, that is above your

Page 2528 blue line, correct? 2 Α. That's correct. 3 Q. Same is true for 2018. Α. That's correct. Same for 2019. Q. Α. That's correct. 7 Same for 2020. Q. That's correct. 8 Α. 9 And you don't have a version of your Q. 10 scenarios where you took CRU's price for 2017 and 11 plugged it in to see what you get, correct? 12 No, we did not take CRU's direct 13 forecast for those years and put those into the model because they lacked the volatility analysis. 14 15 Well, they had implicit volatility in Q. 16 them, correct? 17 I believe in the near term, yes. But that doesn't include all volatility as Mr. Pratt 18 points out that it's very difficult to sit here and 19 predict outcomes with absolute certainty. 20 21 And the CRU forecast represents the 22 best prediction that you're aware of, correct? The best information I did have 23 Α. 24 available at the time, yes. 25 Q. And even as we sit here today that's

Page 2529

- still the best prediction you're aware of, correct?
- 2 A. Yes. Based on what I know, yes.
- 3 Q. Okay. So you never ran a model where
- 4 you used the best prediction you're aware of of
- 5 what future prices are going to be, correct?
- 6 A. That's correct. That would not be
- 7 smart in my position, I've got to determine what
- 8 the viability of this company is, under multiple
- 9 scenarios, not just the best case. So I have to
- 10 look at all cases and look at whether or not there
- 11 are likely outcomes. More likely than other
- 12 eventual outcomes.
- 13 Q. You left it to Ameren's experts to
- 14 actually run your model using the best forecast of
- 15 future prices that any of us have available, didn't
- 16 you?
- 17 A. Well, it's been well discussed about
- 18 the predictability and the volatility of aluminum
- 19 prices, it's difficult to take a forecast and then
- 20 just say that's the way it's going to turn out
- 21 because of the volatility.
- 22 Q. I'm sorry, maybe you didn't
- 23 understand my question.
- 24 A. Okay.
- 25 Q. The only people who've actually taken

Page 2530

- 1 the best forecast of a 2017 price that any of us
- 2 have and run it through your model is Ameren's
- 3 experts, correct?
- 4 A. I'm not sure I would agree with it's
- 5 the best case, best forecast.
- 6 Q. I thought we just established this.
- You're not aware of a forecast that's better than
- 8 CRU's forecast, you just told us that.
- 9 A. Maybe I misunderstood your questions.
- 10 If you're talking about the forecast of actual
- 11 prices I do believe they are expert in aluminum
- 12 intelligence and industry conditions and that their
- 13 near term forecasts appear to be more accurate than
- 14 their long term forecasts of aluminum prices.
- 15 Q. In 2017 we can agree that's near
- 16 term, correct?
- 17 A. I believe that would be in the near
- 18 term, yes.
- 19 Q. Now, if we look at your surrebuttal
- 20 testimony you did include at the back of your
- 21 surrebuttal testimony five little graphs, correct?
- 22 A. Is that the page you're referring to?
- Q. Yes. It's page, Schedule DB1.
- 24 A. Yes.
- 25 **Q. So --**

		Page 2531
1	MR. NELSON: Ken is this highly	
2	confidential?	
3	MR. MALLIN: If you're going to go	
4	into the individual numbers, yes.	
5	JUDGE WOODRUFF: Go into HC?	
6	MR. NELSON: I guess so Your Honor.	
7	MR. NELSON: Thank you, Your Honor.	
8	JUDGE WOODRUFF: And we will go	
9	in-camera.	
10	(REPORTER'S NOTE: An in-camera session was held,	
11	which is contained in Volume 34, pages 2531-2536 of	
12	the transcript.)	
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Page 2537 1 JUDGE WOODRUFF: We're back in 2 regular session. (BY MR. NELSON) Now, we can agree 3 Q. that Noranda is a U.S. producer of aluminum. 4 5 Α. That's correct. And your markets are primarily in the 6 Q. 7 U.S. 8 Α. Primarily. 9 And U.S macroeconomic factors can Q. 10 also have an impact on your price. That's correct. 11 Α. 12 Q. And the factors that apply in the U.S 13 and the factors that apply more globally, they 14 don't always move in the same direction, do they? 15 No, they don't. Α. 16 Q. And you're aware that all of these 17 factors get put into the CRU forecast, right? I assume so. 18 Α. 19 They have a team of researchers Q. 20 that's looking at all of these different inputs and 21 coming up with their best estimate, correct? 22 I believe that would be the case. Α. 23 **Q**. And the internal consensus among your 24 senior executives, they're not aware of anything 25 that would say they have a better forecast for 2015

Page 2538

- or 2016 than CRU's forecast.
- 2 A. No, we don't have anything negative
- 3 to contradict that.
- 4 Q. Now, in your discussions with your
- 5 internal group you didn't even look out as far as
- 6 **2018**, correct?
- 7 A. No. We were looking at the near
- 8 term.
- 9 Q. And if you talk about 2017 you don't
- 10 recall what that suggestion was.
- 11 A. No, I don't.
- 12 Q. With respect to aluminum demand,
- demand, you and I can agree that there's a positive
- 14 outcome for demand in the markets Noranda serves?
- 15 A. Yes, there is.
- 16 Q. And that's true next year, correct?
- 17 A. I believe so.
- 18 Q. It's true over the next year after
- 19 that as well.
- 20 A. I'm not sure about the year after.
- Q. Well, do you recall us discussing it
- 22 at your deposition?
- 23 A. I don't remember that particular
- 24 focus, no, on 2017.
- Q. Well, let me ask the question a

Page 2539

- 1 little differently and see if maybe we can short
- 2 circuit this. You'd agree with me absent any
- 3 extraordinary events for the next year or two you
- 4 believe Noranda's demand outcome is positive.
- 5 A. Yes, we believe we have a good
- 6 demand.
- 7 Q. And there's positive changes in the
- 8 aluminum market which either directly or indirectly
- 9 impact Noranda, correct?
- 10 A. Yes.
- 11 Q. For example Ford has announced that
- 12 they're going to all aluminum bodies on their
- 13 trucks which is going to increase demand for
- 14 aluminum, correct?
- 15 A. That's correct.
- 16 Q. Industries are switching from copper
- 17 wire to aluminum wire, that's driving demand,
- 18 correct?
- 19 A. That is a trend in the industry, yes.
- Q. And you and I can agree that demand
- 21 conditions in the U.S are more favorable to stable
- or higher prices than conditions globally are,
- 23 correct?
- 24 A. They are favorable as one of the
- 25 components that affect prices.

Page 2540

- 1 Q. And they're more favorable than
- 2 global conditions?
- 3 A. I believe so but I'm not absolutely
- 4 sure there.
- 5 Q. As best you can tell as you sit here
- 6 today I just made a true statement.
- 7 A. Yes, best I know.
- 8 Q. In fact Noranda, you really have
- 9 pretty limited knowledge about global conditions
- 10 other than what you read from CRU, correct?
- 11 A. CRU and what we hear from customers
- 12 and other intelligence firms.
- 13 Q. But mainly CRU.
- 14 A. They would be one of the main ones,
- 15 yes.
- 16 Q. So use that term that Mr. Pratt used,
- 17 tight or tighter, you and I can agree that market
- 18 conditions in the U.S are tighter than they are
- 19 globally.
- 20 A. That was the forecast, yes. At that
- 21 particular time. But that's different after the
- 22 Merrill Lynch report that came out the other day,
- 23 last week.
- 24 Q. The Merrill Lynch report about China?
- 25 A. But it was talking about that, you

Page 2541 know, they were projecting a surplus rather than a 2 deficit. 3 And has that changed CRU's fundamental forecast? 4 5 Α. I don't know yet if that has. I'm not sure if it's been reflected in their most 7 recent report but the report that was reviewed yesterday, yes, they did have a different opinion. 8 Q. I'm sorry, I asked about forecasts. 10 Α. Okay. CRU hasn't done a forecast since 11 Q. 12 January, correct? 13 Α. I believe they did one in February. 14 Q. Do you have a copy of that forecast? I do not. 15 Α. 16 Okay. You haven't looked at it. Q. 17 Α. I have not. 18 Q. Because you're aware we've asked for 19 all CRU forecasts that you've got in your 20 possession, you know that, correct? 21 Yes. I believe that is copyright material that we weren't allowed to provide. 22 23 Q. You don't know of any credible source that's saying that there's greater tightness in the 24 25 U.S. that's expected to change over the next couple

Page 2542

- 1 of years, correct?
- 2 A. I'm sorry, is that statement from the
- 3 CRU forecast?
- 4 Q. Are you aware of any credible source,
- 5 you're not aware, let me rephrase the question.
- 6 You're not aware of any credible
- 7 source, a source you would consider credible
- 8 whether it's internally, whether it's CRU, whether
- 9 it's somebody else who says they expect a greater
- degree of tightness in the U.S market versus the
- 11 world market to change as we look over the next
- 12 several years. You're not aware of any such
- 13 statement by a credible source, correct?
- 14 A. I'm not aware of one at this point.
- 15 MR. NELSON: Your Honor I'm going to
- 16 mark four exhibits if I could ask the court for the
- 17 next four exhibit incomes.
- JUDGE WOODRUFF: We'll start at 69.
- 19 MR. NELSON: For the record I'm going
- 20 to mark Exhibit 69 is a document that has been
- 21 previously marked in deposition as Boyles Exhibit
- 22 3.
- JUDGE WOODRUFF: Okay.
- MR. NELSON: Then Your Honor I'm
- 25 going to mark as Exhibit 70 a document which has

Page 2543 previously been marked as Boyles Exhibit 4. 2 Your Honor I'd like to mark as 3 Exhibit 71 what has previously been identified as Boyles Exhibit 5 in deposition. 5 And finally Exhibit 72 previously marked in deposition as Boyles Exhibit 6. 6 7 (BY MR. NELSON) You should now have Q. 8 in front of you Boyles Exhibits 69, 70, 71 and 72, sir. Yes, I do. 10 Α. You and I have looked at these 11 Q. 12 documents before, correct? I think we did. 13 Α. 14 Q. In your deposition, right? 15 I think we did, some of these. Α. 16 Q. Let's see if we can identify them for 17 the record. 18 Exhibit 69 of course you and I can 19 agree, can't we, that's an edited transcript of 20 Noranda's fourth quarter conference call with 21 analysts and investors? 22 Α. That's what it appears to be, yes. 23 Q. You spoke at that event. 2.4 Α. Yes. 25 And you heard, Mr. Smith was there Q.

Page 2544

- with you, he spoke at that event, correct?
- 2 A. Yes. I think they had our comments
- 3 mixed up, but.
- 4 Q. I think Mr. Smith mentioned that.
- 5 But you talk at these events that somebody
- 6 transcribes it and then your folks take a look at
- 7 it, sounds like your investor folks and Mr. Smith
- 8 take a look at it and if they have any corrections
- 9 they call about those, correct?
- 10 A. That's correct.
- 11 MR. NELSON: Your Honor at this point
- 12 I would move for the admission of Exhibit 69 into
- 13 evidence.
- JUDGE WOODRUFF: 69 has been offered,
- 15 any objection to its receipt?
- MR. MALLIN: No objection, Your
- 17 Honor.
- JUDGE WOODRUFF: Hearing none it will
- 19 be received.
- 20 Q. (BY MR. NELSON) Now when you do
- 21 these investor conference calls in addition to your
- 22 speaking part you also have some slides that you
- 23 show the investors and the analysts from Wall
- 24 Street, correct?
- 25 A. That's correct.

Page 2545

- 1 Q. So let's take a look at Exhibit 70.
- 2 Exhibit 70 is the slide deck, the slides that you
- 3 showed investors along with that earnings call that
- 4 we talked about in Exhibit 69, correct?
- 5 A. I believe so, correct.
- 6 MR. NELSON: Move for the admission
- 7 of Exhibit 70 into evidence.
- JUDGE WOODRUFF: 70 has been offered,
- 9 any objections to its receipt?
- MR. MALLIN: No objection, Your Honor.
- JUDGE WOODRUFF: Hearing none it will
- 12 be received.
- 13 Q. (BY MR. NELSON) Now, you had a
- similar process for the third quarter of 2014,
- 15 after it was over and you'd gathered the results
- 16 through a call with Wall Street, somebody
- 17 transcribed it and you had some slides that went
- 18 along with your talk, correct?
- 19 A. That's correct.
- 20 Q. So let's look at Exhibit 71. Is that
- 21 the slide deck, the group of slides for your third
- 22 quarter conference call?
- 23 A. (Reviewing document). I believe it
- 24 is.
- 25 **Q.** Okay.

Page 2546 MR. NELSON: Move for the admission 1 2 of Exhibit 71. 3 JUDGE WOODRUFF: 71 has been offered, any objections to its receipt? 4 5 MR. MALLIN: No objections Your 6 Honor. 7 JUDGE WOODRUFF: Hearing none it will 8 be received. 9 Q. (BY MR. NELSON) And then finally 10 Exhibit 72, that's the transcript of what you and 11 Mr. Smith said and the questions that the analysts 12 from Wall Street asked on that third quarter 13 conference call, correct? 14 Α. Yes, I believe it is. 15 MR. NELSON: Move for the admission of Exhibit 72 into evidence. 16 JUDGE WOODRUFF: 72 has been offered. 17 Any objections to its admittance? 18 19 MR. MALLIN: No, Your Honor. 20 JUDGE WOODRUFF: Hearing none it will 21 be received. 22 Q. (BY MR. NELSON) Now, we've talked 23 about, we've had, sometimes we've had to go highly 24 confidential and come back out of confidential, 25 you've been there and seen that, correct?

Page 2547 1 Α. Yes, I have. 2 Q. All right. We can agree that 3 anything you said in here is not highly confidential, right? 4 5 A. That would be correct. 6 MR. MALLIN: Just for clarity, you're 7 talking about the transcripts. MR. NELSON: I'm sorry, yes, what's 8 in the transcripts. 10 (BY MR. NELSON) Exhibit 69. Q. Α. Yes. 11 12 Q. This is what you were telling the 13 public. 14 Α. That's correct. 15 So let's look a little bit at some of Q. the things you were telling the public and let's 16 17 start by looking a little bit at demand. Let's look at Exhibit 70 and if you could turn with me to 18 slide 4 please. And this is an analysis that you 19 20 put together for Wall Street talking about U.S 21 aluminum demand and in various kinds of markets, 22 correct? 23 Yes, based on CRU forecasts. 24 And you wouldn't have put CRU's Q. numbers in there if you weren't willing to 25

Page 2548

- basically support them, correct?
- 2 A. That's correct.
- 3 Q. If you thought CRU was dead wrong you
- 4 wouldn't have put it in this document for
- 5 investors.
- A. No, I wouldn't.
- 7 Q. So you're telling investors the
- 8 building and construction market four to seven
- 9 percent growth in demand projected, correct?
- 10 MR. MALLIN: I'm sorry Counsel,
- 11 you're on page 4?
- MR. NELSON: I'm on slide 4.
- MR. MALLIN: I apologize.
- MR. NELSON: I was on slide 4 of
- 15 Exhibit 70.
- MR. MALLIN: My only concern is just
- 17 so that you're clear if you're going to be asking
- 18 questions about the slides that are not reflected
- 19 in the transcripts you may in fact be going into HC
- 20 areas. If you're asking for some further
- 21 interpretation of what the slides say or don't say
- 22 we'll just have to be careful I guess is what I'm
- 23 trying to tell you up front.
- MR. NELSON: Well, I would welcome
- 25 counsel any time, I certainly don't mean to step on

Page 2549 your highly confidential so please feel free 2 anybody to interrupt me. Okay? 3 MR. MALLIN: I just wanted to alert 4 you. 5 Q. (BY MR. NELSON) Building construction, you were telling investors U.S demand 6 7 rose on the outlook of four to seven percent, 8 right? 9 What we did was provide what the CRU forecast was, yes. 10 11 Okay. And you don't have any reason Q. 12 to disagree with that. No, I don't. 13 Α. 14 Q. And that's good positive growth in U.S demand in that market. 15 16 A. It is and that has brought sectors, 17 we don't participate in all portions of those 18 sectors. 19 No. But overall if somebody takes Q. 20 aluminum and uses it to make windows even if you 21 don't make windows that still helps your demand 22 because somebody else is going to have to take your 23 aluminum, correct? 24 Yes. It's possible, yes. Α. 25 And likewise in the electrical market Q.

Page 2550 positive growth four to six percent, that's what 2 you put forward? 3 Α. Yes. 4 Q. Same thing in consumer durables, 5 three to seven percent growth, that's pretty 6 healthy isn't it? 7 Α. Yes. 8 Q. Transportation, eight to 11 percent growth, that's outstanding, isn't it? 10 Α. Yes. And then the worst of the bunch is 11 Q. 12 simply flat demand in foil and packaging, fair? That's what it says, yes. 13 Α. 14 Q. In fact you told investors that 15 strong demand provides opportunities to grow with our current customers and to follow the spread of 16 17 aluminum into new applications, correct? That's correct. 18 Α. 19 And you certainly didn't suggest to Q. 20 investors that markets, any markets where Noranda's 21 demand would decline, did you? 22 No, we did not. Α. 23 Q. And if we look at Boyles Exhibit 3, 24 I'm sorry, Trial Exhibit 69. If we go to page 3. 25 Page 3 is some comments by Mr. Smith, your CEO,

Page 2551 1 correct? Α. This is faded out. Okay. I think I 3 have it now. Which particular paragraph? I'm trying to find it myself, sir. 4 Q. 5 If you look down -- here, let me just put it up on 6 the board. 7 Do you see the paragraph that begins 8 with slide 4? It's about a little over halfway down the page? 10 Yes, I do. Α. 11 Okay. And Mr. Smith says here slide Q. 12 4 summarizes what we feel is favorable growth 13 outlook for a primary aluminum consumption in the 14 United States. You see that? 15 Α. Yes. 16 Q. Besides driving our own order book we 17 believe strong demand is the key fundamental driver of sustainability in aluminum prices over the 18 19 medium and long term. 20 Did I read that correctly? 21 Α. Yes, you did. 22 Q. And when Mr. Smith was talking about 23 driving our own order book he meant that strong 24 demand was going to help Noranda's orders, correct? 25 Α. Yes.

Page 2552

- 1 O. And when he talks about
- 2 sustainability in aluminum prices over the median
- 3 to long term he's talking about prices that are at
- 4 least stable to positive, correct?
- 5 A. I don't know exactly what he meant
- 6 but I would assume that based on the comment, yes.
- 7 Q. Now going back to your scenarios we
- 8 can agree that your scenarios do not show
- 9 sustainable all-in prices over the medium and long
- 10 term, do they?
- 11 A. I would disagree, this only talks
- 12 about the consumption side so you have to factor in
- 13 the supply side on the all-in on aluminum prices.
- 14 Q. You and I got together, what, a week
- and a half, two weeks ago and took your deposition?
- 16 A. Approximately, yes.
- MR. NELSON: Approach the witness
- 18 Your Honor.
- JUDGE WOODRUFF: You may.
- Q. (BY MR. NELSON) I'm going to hand
- you a copy of your deposition. Could you confirm
- 22 that please?
- 23 A. (Reviewing document). Yes, looks
- 24 like a copy of it.
- 25 Q. You were under oath, a court reporter

Page 2553

- 1 there, took it all down, correct?
- 2 A. Yes.
- 3 Q. If you look at page 137 of your
- 4 deposition. If you want to flip back to the prior
- 5 page you see we were talking about Mr. Smith's use
- of the word sustainable and then we asked some
- 7 questions and answers, okay?
- 8 A. Okay. Let me find it first.
- 9 (Reviewing document).
- 10 Yes, okay. I follow.
- 11 Q. So I pointed out Mr. Smith said that
- 12 there's going to be sustainable prices in the
- 13 medium to long term and then I asked you the
- 14 following question: With respect to your '98, '99
- and 2000 scenarios, and Counsel I'm starting at
- 16 line 16, do these reflect sustainable all-in prices
- over the medium and long term?
- 18 Did I read the question correctly?
- 19 A. Is that on 136?
- 20 **Q**. **137**, sir.
- 21 A. Sorry.
- 22 Q. I'm setting things up. You and I can
- 23 agree that --
- A. Sorry, I was a little slow.
- 25 Q. That's okay.

Page 2554 1 You and I can agree that on pages 136 2 and 137 we're talking about Mr. Smith using the 3 word sustainable for all-in prices when he's talking to investors, correct? 4 5 Α. Yes. 6 Ο. And then we turn and we look at your 7 '98, '99 and 2000 scenarios, that's some questions on 137, correct? 8 9 Α. Yes. 10 And then I asked you do these, Q. meaning your '98, '99 and 2000 scenarios, do these 11 12 reflect sustainable all-in prices over the medium 13 and long term? 14 Do you see that question? 15 Α. Yes. In those models, yes. 16 Q. Let me try my question again just to 17 stick to that. Did I ask you the following question: Do those reflect sustainable all-in 18 19 prices over the medium and long term? 20 Α. Again where is that question? 21 Start at line 16, page 137. Q. 22 Α. Okay. I'm sorry. 23 So again do those, meaning the '98, Q. 24 '99 and 2000 scenarios, do they reflect sustainable 25 long-term prices over the medium and long term, did

Page 2555 I ask you that question? 2 Α. Yes, you did. 3 And the answer you gave was no, 4 they're not all sustainable, correct? 5 Α. Yes. And referring to --6 I'm sorry, sir, I just want to make Q. 7 sure we're clear. Did I read your answer 8 correctly? You read it correctly but maybe not 9 10 in the context of my answer. 11 Q. You and I can agree the global 12 economy is becoming more aluminum intensive? Yes, I believe so. 13 Α. 14 Q. You have stable demand for your 15 products. 16 Α. Yes, we do. 17 Q. And your local supply and demand 18 fundamentals are positive? 19 A. We believe so, yes. 20 Q. Now let's talk a little bit about 21 your enterprise model and I want to start with 22 looking at a document that was in the opening statement, I believe it's now been labeled as --23 24 MR. DOWNEY: 532. 25 MR. NELSON: The chart?

		Page 2556
1	MR. DOWNEY: The graph?	
2	MR. NELSON: Yes, the graph.	
3	MR. MALLIN: If you're going to ask	
4	questions about this we're going to have to go into	
5	HC.	
6	MR. NELSON: That's fine, I'm going	
7	to ask one or two.	
8	JUDGE WOODRUFF: We'll go in-camera.	
9		
10	(REPORTER'S NOTE: An in-camera session was held,	
11	which is contained in Volume 34, pages 2556-2558 of	
12	the transcript.)	
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Page 2559 1 JUDGE WOODRUFF: And we're back in 2 regular session. 3 Ο. (BY MR. NELSON) Now, let's talk about smelter closure. There's been a fair amount 4 5 of discussion about smelter closure here in this room. You've heard it, correct? 6 7 Α. Yes. 8 Q. In fact you have managed capital spending in the past when you needed to to manage 10 your liquidity, correct? Yes, it's one of the letters that we 11 Α. 12 use, yes. In fact you, for example you slowed 13 Q. 14 capital spending for a period of time on the rod 15 mill to manage cash. 16 That's correct. Α. 17 Ο. Now in your enterprise model to get the liquidity assumptions you gave this Commission 18 19 you made an assumption that Noranda for every year 20 in your model --21 MR. MALLIN: Before you ask the question I think we're going to have to go HC 22 23 because that number is highly confidential. 24 MR. NELSON: Okay. 25 JUDGE WOODRUFF: Back in HC.

		Page 2560
1	(REPORTER'S NOTE: An in-camera session was held,	
2	which is contained in Volume 34, pages 2560-2584 of	
3	the transcript.)	
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Page 2585

- 1 Q. (BY MR. NELSON) If you can go to
- 2 Exhibit 70.
- 3 MR. NELSON: And I won't read this
- 4 into the record Counsel so I'll just point to the
- 5 answer then we don't have to go back to highly
- 6 confidential.
- Right at the top, Exhibit 70, slide
- 8 15, the very last slide.
- 9 A. Okay.
- 10 Q. If you read that, just read it to
- 11 yourself, under the key take-a-ways, the sort of
- 12 central bullet point right at the top, again that's
- 13 another repetition of that positive message about
- 14 the company future, fair?
- 15 A. Yes, that we were trying to return
- 16 the smelter to full production, yes, which will
- 17 have a positive impact.
- 18 Q. Now, for 2014 you earned a positive
- what, \$.14 per share?
- 20 A. Excluding special items, yes, that's
- 21 correct.
- 22 Q. And that was compared to a \$.15 per
- 23 share loss in 2013?
- A. I believe that's correct.
- Q. We've been talking a lot about trend

Page 2586 lines, that's a positive trend line isn't it? 2 It is. Aluminum prices were up. 3 Q. And you've done that with existing 4 power rates, correct? 5 Α. Yes, that's correct. 6 And for that matter when you paid off Q. 7 your line at the end of the third quarter that was 8 with the existing power rates, right? That's correct. Α. 10 Q. When you paid it off, your credit 11 card, your line off at the end of the fourth 12 quarter that was with existing power rates, 13 correct? 14 Α. Yes. 15 MR. NELSON: Thank you, Your Honor, I 16 have nothing further. 17 JUDGE WOODRUFF: Okay. Open for 18 questions from the bench. 19 Mr. Chairman? 20 EXAMINATION QUESTIONS BY CHAIRMAN KENNEY: 21 22 Q. Good morning Mr. Boyles. 23 Good morning. Α. 24 How are you? Q. 25 So I can talk about the liquidity as

Page 2587 1 long as I don't mention the number, right? 2 Α. I believe that's correct. 3 Q. Without going in-camera. Is that 4 right? 5 MR. NELSON: I would say that that's 6 right generally Judge, Commissioner, I'm sorry. 7 CHAIRMAN KENNEY: That's fine. Either one is fine. 8 A. If we're going to talk about trends 9 10 or anything like that we may want to go in-camera. 11 Q. (BY CHAIRMAN KENNEY) Yeah, I just 12 want to ask a question that I think was being 13 raised, that -- actually let's do go In camera because I want to talk about the specific numbers. 14 15 JUDGE WOODRUFF: Okay. Then we'll go 16 back in-camera. 17 18 (REPORTER'S NOTE: An in-camera session was held, which is contained in Volume 34, pages 2587-2590 of 19 20 the transcript.) 21 22 23 2.4 25

Page 2591

Fax: 314.644.1334

1 Q. (BY MR. CHAIRMAN) So then thereafter 2 comparison of the slides from the opening statement 3 to the transcripts of the fourth quarter earnings 4 calls, do you remember that line of questioning? 5 Α. Yes, sir. Here's the question that didn't get 6 Ο. 7 asked again, I'm not, I don't have to worry about 8 these things. 9 Is it, would you agree or disagree 10 with me that the picture that Noranda presents to 11 its investors on earning calls is that starkly 12 different and rosier than the picture that you all 13 present to us here in the hearing room, in this 14 case? You weren't around in the last case, but. 15 It's the same issue I think we had in the last 16 case, the picture that you guys present on the 17 earnings calls is different than the picture you present here in the hearing room. Is that a fair 18 19 characterization? 20 I don't think so. Α. 21 Q. Tell me why not. 22 Α. We're fully transparent with what can 23 happen and we disclose that in our risk factors and 24 in our earnings call we talk about the improvements quarter over quarter where we do make improvements 25

Page 2592

- 1 where we're making decisions to do everything
- 2 possible to keep the smelter open and that's what
- 3 we've represented here. What we've presented in my
- 4 testimony is the likely outcomes without a power
- 5 relief. You know, here's where we will go. We may
- 6 not be there today but I can't wait to step out in
- 7 front of the train before I come to the Commission
- 8 and ask for rate relief.
- 9 Q. I mean in the testimony in here
- 10 Noranda makes definitive statements that if this
- 11 Commission doesn't provide the rate relief it's
- 12 requesting these other consequences will definitely
- occur. That's what I was presented here. But then
- 14 when I read the transcripts of the earnings calls
- 15 it's a much more measured tone, and I think that
- 16 you just said it yourself, these are risk factors
- of what may occur, not what definitely will occur.
- 18 How do you explain what is to me a cognitive
- 19 dissidence between what you're telling us and what
- 20 you're telling investors?
- 21 A. Well, I believe what we've prepared
- 22 is the scenarios of the likely outcomes. We don't
- 23 typically share those with third parties, we --
- Q. Stop there for a minute just so I can
- 25 understand that component.

Page 2593

- So you disclose the risk factors to
- 2 the investors but you don't necessarily provide
- 3 them the conclusions or the consequences of those
- 4 risk factors.
- 5 A. No, I think we have in our previous
- 6 earnings calls where we did talk about, you know, a
- 7 sustainable power rate that we need to keep the
- 8 smelter open and we've talked about it in earnings
- 9 calls, in our decs, in our 10Qs and 10K so we have
- 10 discussed those things openly with investors. So
- 11 if we went back to prior scripts of transcripts of
- 12 calls there would be lots of discussion around
- 13 closure of the smelter.
- Q. Okay. Thanks for your time.
- 15 A. Thank you.
- 16 JUDGE WOODRUFF: Commissioner Hall?
- 17 COMMISSIONER HALL: Yes.
- 18 EXAMINATION
- 19 QUESTIONS BY COMMISSIONER HALL:
- Q. Good morning.
- A. Good morning.
- 22 Q. I had a number of questions along the
- 23 same line from the Chairman and I'm going to, I
- 24 think it is without a doubt fact that there is a
- difference between what you are telling investors

Page 2594

- 1 and what you are telling us here today. Now, I'm
- 2 not telling you that it is my belief that there is
- 3 not a way to find some consistency but the
- 4 verbiage, the definitive nature is different
- 5 between the two and what I'm asking for you, from
- 6 you, is to explain to me why there might be that
- 7 discrepancy. Now, you can say there's no
- 8 discrepancy, I'm telling you I don't believe that.
- 9 There is a difference. Now how can you explain
- 10 that difference?
- 11 A. Well, we may not use the exact same
- 12 words --
- 13 **Q.** Why?
- 14 A. Well, I may not remember the exact
- 15 same words the next time I talk about it but in the
- 16 same context we do talk about and we have talked
- 17 about closure of the smelter being a possibility.
- 18 I think we used the words a substantial likelihood
- 19 if we didn't get power rate relief so we have
- 20 discussed those things in our earnings calls, those
- 21 transcripts were presented here, but we have made
- those disclosures in the past and again we're not
- 23 predicting absolute closure.
- 24 Q. But you are here. That is what you
- are predicting here. Absent rate relief you're

Page 2595

- 1 telling us closure. You are not telling investors
- 2 absent rate relief, closure.
- 3 A. I think we are, we are in our risk
- 4 factor that was talked about earlier. We talk
- 5 about rate relief, we talk about how that is
- 6 dependent upon keeping that smelter open or not. I
- 7 think we use curtail the facility which is both a
- 8 shutting of lines as well as closure of the
- 9 facility.
- 10 Q. Okay. Let me try a different tact.
- 11 What would happen if you as a company took the
- 12 highly confidential statements that are in the
- 13 record in this case and put them open to public
- 14 disclosure?
- MR. MALLIN: Well, Your Honor the
- 16 answer to that question in itself is HC.
- 17 A. Yes.
- 18 COMMISSIONER HALL: Okay. Well let's
- 19 go HC.
- 20
- 21 (REPORTER'S NOTE: An in-camera session was held,
- 22 which is contained in Volume 34, pages 2595-2621 of
- 23 the transcript.)
- 2.4
- 25

Page 2622 1 JUDGE WOODRUFF: We're back in the general 2 session and it's time to announce lunch break which 3 I see smiles in the audience for that. We have agenda today at 12:30 so we'll come back at 1:30. 4 5 (Whereupon, a lunch recess was taken) 6 JUDGE WOODRUFF: Let's come to order 7 please. We're back from lunch and Mr. Chairman you had a question you wanted ask counsel before we get 8 started. 9 10 CHAIRMAN KENNEY: This is for the attorneys. So last week we settled, or we noted 11 12 that issue 22 was settled which is the low income exemption from MEEIA. 13 14 Is that correct? Let's begin there. 15 MS. TATRO: Yes. 16 CHAIRMAN KENNEY: And I asked Mr. Allison about \$.08 versus \$.11, is that right? 17 MR. ALLISON: Yes. 18 CHAIRMAN KENNEY: It's all allocated 19 to the residential consumers. 20 21 MR. ALLISON: Correct. 22 CHAIRMAN KENNEY: In which stipulation and agreement will that appear? 23 24 MS. TATRO: That is the one I have not drafted yet because I frankly forgot. 25

Page 2623 CHAIRMAN KENNEY: That's not a 1 2 problem, I just wanted to make sure I hadn't missed 3 it somewhere else. MS. TATRO: It's that issue and 4 5 there's one other minor issue that had to be put in with that stuff, I can't remember off the top of my 6 7 head. CHAIRMAN KENNEY: That's fine. 8 9 MS. TATRO: We do owe you that. 10 MR. THOMPSON: LED lighting? 11 MS. TATRO: Yes. 12 CHAIRMAN KENNEY: Yes. 13 MS. TATRO: So that will be on a stip that I'll probably work on this afternoon. 14 15 CHAIRMAN KENNEY: And then you all filed an amended nonunanimous stipulation regarding 16 17 certain revenue requirements and you corrected the language that I asked you all to correct. 18 19 MS. TATRO: Yes, I made an attempt to make all those corrections that I believe you 20 21 pointed out. 22 CHAIRMAN KENNEY: And I believe it 23 was. 24 MS. TATRO: Thank you. 25 CHAIRMAN KENNEY: So back to the low

Page 2624 income MEEIA exemption, it hasn't been reduced to 2 writing and that was one that all the parties had 3 agreed upon, right? 4 MS. TATRO: Right. 5 CHAIRMAN KENNEY: Why does it appear 6 in the Nonunanimous Stipulation and Agreement 7 Regarding Economic Development, Class Cost of Service, Revenue Allocation and Rate Design that 8 the consumer parties have agreed to? 10 MR. ALLISON: Because it hasn't been 11 filed yet and because it was dealing with rate 12 design, class cost of service. It was in that 13 package of issues that had not come in front of the 14 Commission yet. 15 CHAIRMAN KENNEY: But Ameren's not a 16 signatory to this. 17 MR. ALLISON: They are not and I don't see that being necessarily preclusive of any 18 separate document that we would need, I think the 19 terms in there are mutually coexistent to what, a 20 21 much more narrow document I think that Ameren would 22 want to file. 23 CHAIRMAN KENNEY: I was just confused because that was an issue around which all the 24 parties agreed, there is not a stipulation around 25

Page 2625 which all parties agreed. 2 MR. ALLISON: That is exactly right. 3 CHAIRMAN KENNEY: It struck me as out of place. 4 5 MR. ALLISON: It was in that package, 6 in developing that stipulation it was in the 7 package of issues regarding rate design class cost of service and all of those issues that we are 8 trying to put in one document. 10 CHAIRMAN KENNEY: Were you guys aware that it was in here? 11 12 MS. TATRO: Since I wasn't aware of that stipulation until after it was filed, no. I 13 do also find it odd but I don't think it's fatal. 15 CHAIRMAN KENNEY: Thanks. That's all 16 I wanted to know. JUDGE WOODRUFF: Then we're back for 17 the witnesses and we had just completed questions 18 from the bench from Mr. Boyle. Is there anyone 19 20 wishes to recross? 21 I assume Ameren that Staff wanted to go first. 22 23 MR. THOMPSON: Thank you. 2.4 25

		Page 2626
1	CROSS EXAMINATION	
2	QUESTIONS BY MR. THOMPSON:	
3	Q. Good afternoon Mr. Boyle.	
4	A. Good afternoon.	
5	Q. The Chairman and Commissioner Hall	
6	both asked you questions about liquidity and there	
7	were questions about what would happen if your	
8	liquidity was reduced beyond a critical point. Do	
9	you recall that?	
10	A. Yes, I do.	
11	MR. THOMPSON: And I don't know	
12	whether this needs to be In camera or not.	
13	MR. MALLIN: Well, since I don't know	
14	your question I'm going to have to assume yes.	
15	Maybe after you ask your question I can say no.	
16	JUDGE WOODRUFF: We'll go in-camera	
17	at this point.	
18	(REPORTER'S NOTE: An in-camera session was held,	
19	which is contained in Volume 34, pages 2626 to 2629	
20	of the transcript.)	
21		
22		
23		
24		
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Page 2630

- 1 MR. NELSON: Your Honor I would ask
- 2 the Court to take judicial notice, there was some
- 3 questions about the level of dividends, I think
- 4 that was covered in case EC-2014-0024 in Exhibits
- 5 115 and Exhibit 116 which were the 10Ks for 2013
- 6 and 2012 and I believe that that, those documents
- 7 would have evidence that supplements what the
- 8 witness was able to do in terms of dividends paid
- 9 and I would ask the court to take judicial notice
- 10 of those.
- JUDGE WOODRUFF: Any objection?
- MR. MALLIN: As long as they're a
- 13 public filing I don't have a problem.
- 14 JUDGE WOODRUFF: It will be a filing
- 15 in the prior case.
- MR. LOWERY: They're already in
- 17 evidence in the last case Judge, they're portions
- 18 of their 10Ks for those two years.
- JUDGE WOODRUFF: And I'll assume you
- 20 will cite to them in your briefs.
- MR. MALLIN: Which years?
- 22 MR. LOWERY: '12 and '13. Exhibits
- 23 115 and 116 from the last case.
- MR. MALLIN: Got it.
- MR. NELSON: Nothing further.

		Page 2631		
1	JUDGE WOODRUFF: All right.			
2	Redirect?			
3	MR. MALLIN: Yes, Your Honor. Thank			
4	you.			
5	REDIRECT EXAMINATION			
6	QUESTIONS BY MR. MALLIN:			
7	Q. Let's talk first a little bit about			
8	the AVL, the revolver or the credit card. In			
9	calendar year 2014 for what uses or purposes did			
10	Noranda use those things?			
11	A. We used it for various purposes to			
12	fund normal operating expenses such as payroll, our			
13	power bill, our natural gas bills, those type of			
14	expenses. We also had unusual operational			
15	disruptions that required additional cash as much			
16	as I disclosed earlier around the weather impact in			
17	2014 as well as another weather impact that shut			
18	down our power facility for a day and a half.			
19	Those are examples.			
20	Q. Is it accurate to say that it was			
21	used for day-to-day operations at Noranda?			
22	A. Yes it is, during the month.			
23	MR. MALLIN: We're going to have to			
24	go HC at this point Your, Honor.			
25	JUDGE WOODRUFF: We are back In			

		Page 2632
1	camera.	
2		
3	(REPORTER'S NOTE: An in-camera session was held,	
4	which is contained in Volume 34, page 2632 of the	
5	transcript.)	
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Page 2633

- 1 Q. (BY MR. MALLIN) Let's talk a little
- 2 bit about capital expenditures. In 2012 how much
- 3 did Noranda spend on capital expenses or
- 4 expenditures?
- 5 A. That's in my 10K, I believe it was
- 6 approximately 88 million.
- 7 Q. How about in 2013?
- 8 A. Approximately 73 million.
- 9 Q. And in 2014?
- 10 A. Approximately 94 million.
- 11 Q. You indicated earlier or identified a
- 12 piece of equipment called a carbon baked furnace?
- 13 A. Yes.
- 14 Q. What does that do?
- 15 A. Those are the furnaces that are used
- 16 to take carbon and make anodes using the aluminum
- 17 making process. Those furnaces have a life that
- 18 you have to rebuild those furnaces and they're very
- 19 expensive, they could range up to approximately \$30
- 20 million to refurbish those furnaces and we have
- 21 three that are well beyond their normal life.
- 22 O. So there's a total of three of such
- 23 furnaces down at New Madrid today?
- A. That's correct.
- 25 Q. And all three of them are operating?

		Page 2634
1	A. Yes.	
2	Q. You also mentioned a pot.	
3	A. Yes.	
4	Q. Approximately how much does it cost	
5	to refurbish, repair or replace a pot?	
6	A. It ranges from approximately \$170,000	
7	to \$200,000 per pot.	
8	Q. As compared to a line of pots, how	
9	many are in a line of pots?	
10	A. Our first two lines are approximately	
11	174 pots apiece, line 3 which is a different	
12	technology, larger pots, approximately 162.	
13	MR. MALLIN: Your Honor, this is HC	
14	at this point.	
15	JUDGE WOODRUFF: All right. We'll go	
16	back in.	
17	(REPORTER'S NOTE: An in-camera session was held,	
18	which is contained in Volume 34, pages 2634-2635 of	
19	the transcript.)	
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Page 2636 1 MR. MALLIN: Sorry jumping around, 2 I'm trying to do it topically. I apologize. 3 JUDGE WOODRUFF: We're back to general session. 4 5 Q. (BY MR. MALLIN) Do you have before you the slides used during the earnings call for 6 7 the third quarter of 2014 and the fourth quarter of 8 2014? I believe that they are Exhibits 70 and 71. Α. Yes. 10 Let's start with first from the third Q. 11 quarter of 2014. Do you have that? 12 Α. Yes. 13 Q. Page 2 of the slides did Noranda 14 provide all participants and anyone who wished to 15 read or view these slides information with regard 16 to how they should be considering any forward 17 looking statements? Yes, we did. 18 Α. 19 Q. And what in general were you telling 20 those who attended the call or chose to look at 21 these slides they should be considering when any 22 forward looking statements were being made? 23 Well, that they could consider these Α. 24 forward looking statements are about future, not past events and while certain important risks and 25

Page 2637 uncertainties any of which could cause a company's 2 actual results to differ materially from those 3 expressed in the forward looking statements. There were certain risks that were 4 Q. 5 identified as part of this third quarter 2014 call, were there not? 7 Α. Yes. 8 Q. Can you give me a list of those? Yes. We typically review our core 9 product activity program which is on page 7 of that 10 dec. 11 12 Q. Mr. Boyles I'm still on page 2, 13 forward looking statements? 14 Α. I'm sorry, you're talking the forward 15 looking statements. 16 Q. Maybe I'm wrong, tell me if I'm right 17 or wrong here. Did the company, did Noranda, for anyone who wished to participate or review these 18 slides tell those look, there are certain risks 19 20 that you ought to be aware of with regard to 21 forward looking statements? 22 Yes, we did. Α. 23 Q. Was one of those the cyclical nature 24 of the aluminum industry? 25 I believe it's on this page, I can't Α.

Page 2638

- 1 pick it up right off the top.
- 2 Q. I'm looking down at the fifth line,
- 3 sir, if that helps you.
- 4 A. Yes.
- 5 Q. What other risks or information were
- 6 being provided to anyone who was listening in with
- 7 regard to forward looking statements?
- A. A downturn in general economic
- 9 conditions including changes in interest rates as
- 10 well as a downturn in the end use markets for
- 11 certain of the company products. Fluctuations in
- 12 the relative cost of certain raw materials and
- 13 energy compared to the price of primary aluminum
- 14 and aluminum rolled products.
- 15 Q. Anything else?
- 16 A. The effects of competition in
- 17 Noranda's business lines, Noranda's ability to
- 18 retain customers, a substantial number of which do
- 19 not have long term contractual arrangements with
- 20 the company. The ability to fulfill business,
- 21 business's substantial capital investment needs,
- 22 labor relations, i.e. disruptions, strikes or work
- 23 stoppages and labor costs, unexpected issues
- 24 arising in connection with Noranda's operations
- 25 outside of the United States, the ability to retain

Page 2639

- 1 key management personnel and Noranda's expectations
- 2 with respect to the acquisition, activity or
- 3 difficulties encountered in connection with
- 4 acquisitions, dispositions or similar transactions.
- 5 Q. Did Noranda as part of this third
- 6 quarter 2014 conference call also tell anyone who
- 7 was participating or viewing these slides that it
- 8 should go look to Noranda's 10K and its quarterly
- 9 reports?
- 10 A. Yes, we did.
- 11 Q. And for what reason or purpose did it
- 12 **do so?**
- 13 A. To look at the risk factors and the
- 14 disclosures in our 10K.
- 15 Q. Now, in the third quarter of 2014,
- 16 this dec, was there certain underlying assumptions
- 17 with regard to how Noranda may perform going
- 18 forward into the fourth quarter?
- 19 A. That's correct.
- 20 Q. And are they found somewhere in this
- 21 dec?
- 22 A. Yes, on slide 7.
- Q. I'm on slide 7 that says productivity
- 24 compliments growth in creating value. Am I in the
- 25 right place?

Page 2640 1 Α. Yes. 2 Okay. What on this page tells me Q. 3 what the assumptions were with regard to how well or not Noranda might perform in the fourth quarter? 4 5 Α. Well, this gives an update on the step change and our cost structure that we talked 6 7 about and the \$85 million improvement in our segment profit from 2014 to 2016 and we bridge 8 9 that --10 Hold on a second, you've got me all Q. confused. 11 12 Α. Okay. 13 Q. What's a step change? 14 Meaning an increased level, a step Α. change being it could be an increase or decrease in 15 16 your run rate. 17 Q. And what do you mean by run rate? Your historical profitability. 18 Α. 19 Q. Okay. And was one of these steps 20 with regard to power? 21 Α. Yes. 22 Q. What is this telling me with regard 23 to the step change with regard to power? 2.4 Α. We had included the expectation of obtaining rate relief and achieving these 25

Page 2641 objectives of 50 million.

- 2 Q. So that was one of the assumptions
- 3 with regard to productivity -- you called it
- 4 segment profit?
- 5 A. Yeah, or profitability.
- 6 Q. So an assumption to that
- 7 profitability was how much in rate relief?
- 8 A. 50 million.
- 9 Q. From the Public Service Commission.
- 10 A. That's correct.
- 11 Q. Now, with regard to the earnings call
- 12 associated with this particular dec, that's Exhibit
- No. 72. Do you have that before you, sir?
- 14 A. Yes, I do.
- 15 Q. The questions and answers here are
- 16 related to the dec we were just looking at, is that
- 17 correct?
- 18 A. That's correct.
- 19 Q. And the statements that you made and
- 20 Mr. Smith made, did they all assume this \$50
- 21 million of power savings?
- 22 A. Yes, they did.
- 23 Q. Did anyone on that call ask either
- you or Mr. Smith I want you to assume for a second
- 25 that you don't get \$50 million in power savings,

Page 2642 what's going to happen to the smelter? 2 Α. No. No one did. 3 Did anyone ask you on the call if you don't get \$50 million worth of power savings what's 4 5 going to happen with the company? 6 No, I don't think they did. Α. 7 Q. Anyone ask you what's going to happen 8 to its liquidity? 9 Α. No. 10 To its cash flow? Q. 11 Α. No. 12 Q. Let's talk about the slides now from 13 the fourth quarter of 2014. Do you have those 14 before you? 15 Yes, I do. Α. 16 This is Exhibit 70, am I correct? Q. 17 Α. Yes. 18 Is there a similar statement with Q. 19 regard to forward looking statements to anyone who 20 participated on that call or chose to view these 21 slides? 22 Yes, it is, on page 2. Α. 23 Q. I'm not going to have you go through this list again but are the same risk factors 24 25 identified here again for anyone who was

			Page 2643
1	participating	on that call?	
2	Α.	I believe they are.	
3	Q.	And they are found on page 2?	
4	Α.	That's correct.	
5	Q.	And again is there a similar	
6	paragraph ind	icating to anyone viewing these slides	
7	or participating in the call that he or she should		
8	go to the 10K	and other quarterly reports filed by	
9	Noranda?		
10	Α.	Yes.	
11	Q.	For what purpose?	
12	Α.	For discussion of additional risks	
13	and uncertaint	ties that may affect the future	
14	results of No	canda.	
15	Q.	Like the third quarter slides was	
16	there any unde	erlying assumptions with regard to	
17	power rate as	part of this fourth quarter	
18	conference cal	11?	
19	Α.	Yes. We had a similar update.	
20	Q.	Is it on one of the pages in this	
21	dec?		
22	Α.	Page 7.	
23	Q.	I'm on page 7, it's entitled Progress	
24	On Transformat	tional Pack. You see that?	
25	Α.	Yes.	

Page 2644

- 1 Q. Which of those particular items here
- 2 pertain to the power rate?
- 3 A. The second item where you see in the
- 4 left hand bubble New Madrid electricity rate
- 5 reduction, \$40 million per year. Even at impact.
- 6 Q. So what information was being
- 7 conveyed in this slide to anyone participating in
- 8 this call or viewing these slides?
- 9 A. That included in our transformation
- 10 of our cost structure the productivity improvements
- 11 that we include in that \$85 million that getting
- 12 rate relief was a key component of that \$85
- 13 million.
- 14 Q. In the amount of \$40 million per year
- in terms of the EBITDA impact.
- 16 A. That's correct.
- 17 Q. Now let's turn to the transcript from
- 18 that call, that's Exhibit No. 69?
- 19 A. Okay.
- 20 Q. Do you have that before you?
- 21 A. Yes, I do.
- 22 Q. In the statements that were being
- 23 made in that call as well as the questions posed
- 24 and the answers provided was this particular item
- 25 with regard to \$40 million per year in energy cost

Page 2645

- 1 savings the underlying assumption to what was
- provided to those participating?
- 3 A. Yes, it was.
- 4 Q. Did anyone in this call in the fourth
- 5 quarter of 2014 ask the question what would happen
- 6 if Noranda did not, Noranda did not get a \$40
- 7 million per year power rate reduction?
- 8 A. I don't believe so.
- 9 Q. Did anyone ask what would happen to
- 10 the plant, to the smelter if there wasn't a \$40
- 11 million reduction in power rate?
- 12 A. No, I don't think so.
- 13 Q. Did anyone ask what would happen to
- 14 Noranda's liquidity in that situation?
- 15 A. No.
- 16 Q. Did anyone ask what would happen to
- 17 its cash flow in that situation?
- 18 A. No.
- 19 Q. You were in the courtroom, the
- 20 hearing room earlier when Mr. Smith identified the
- 21 10K that was filed with regard to December 31, 2014
- on behalf of Noranda, is that correct?
- 23 A. Yes.
- Q. You were asked questions about it
- 25 earlier?

Page 2646

- 1 A. That's correct.
- 2 O. And the risk factors that are found
- 3 in there address both the smelter itself as well as
- 4 the rod mill, is that correct?
- 5 A. That's correct.
- 6 Q. Were you part of the decision making
- 7 group that decided those had to be included?
- 8 A. Yes.
- 9 MR. MALLIN: This part does need to
- 10 go HC, Your Honor.
- JUDGE WOODRUFF: All right.
- MR. LOWERY: I just wanted to alert
- 13 you that the last two times you went into highly
- 14 confidential the microphone apparently was still on
- 15 even though the picture was still showing.
- JUDGE WOODRUFF: Yes, there was a
- 17 problem particularly at the beginning of your
- 18 recross.
- 19 MR. LOWERY: Thank you, I appreciate
- 20 it.
- JUDGE WOODRUFF: I apologize for
- 22 that.
- 23 (REPORTER'S NOTE: An in-camera session was held,
- 24 which is contained in Volume 34, pages 2646-2655 of
- 25 the transcript.)

Page 2656 JUDGE WOODRUFF: And we're out of the 1 2 In camera section and redirect is concluded so you 3 can step down. Α. Okay. Thank you very much. 4 5 JUDGE WOODRUFF: And I believe we 6 need to call Mr. Haslag next. 7 (Whereupon, the witness was sworn) DIRECT EXAMINATION 8 QUESTIONS BY MS. ILES: 9 10 Q. Good morning. Could you state your name for the record lease? 11 12 Joseph Haslag. 13 Q. And it's Dr. Haslag, correct? 14 Α. Yes. 15 Dr. Haslag where are you employed? Q. 16 University of Missouri-Columbia. Α. 17 Q. And what is your position there? 18 Α. I'm a professor of economics. 19 Do you hold another position with the Q. 20 university as well as a professorship? 21 Α. I also hold the position as the director of the economic policy and analysis and 22 research center. 23 24 Okay. And Dr. Haslag did you prepare Q. direct and sure, let's see. Direct and surrebuttal 25

Page 2657 testimony in this case that has been pre-filed? 2 Α. Yes. 3 Q. And is that the testimony that I've handed you? 4 5 Α. It is. 6 And could you tell us for the record Q. 7 what the exhibit numbers for those documents are? Α. I would love to. 8 606 and 607. 9 10 Q. And are those documents marked 606, 606 HC and 607? 11 12 Α. Yes. 13 Q. And if I were to ask you the 14 questions that are included in that testimony here 15 today would your answers be the same? 16 Α. They would. 17 Q. Did you have any corrections to your 18 testimony? 19 Α. No. 20 MS. ILES: Your Honor, I'd move for 21 the admission of the, Dr. Haslag's testimony and 22 tender the witness for cross examination. JUDGE WOODRUFF: 606, HC and NP and 23 607 have been offered. Any objection to their 24 25 receipt?

		Page 2658
1	Hearing none it will be received.	
2	JUDGE WOODRUFF: Cross examination	
3	beginning with Public Counsel.	
4	MR. ALLISON: No cross. Thank you.	
5	JUDGE WOODRUFF: MECG?	
6	MR. WOODSMALL: No questions.	
7	JUDGE WOODRUFF: Staff?	
8	MR. THOMPSON: No questions. Thank	
9	you.	
10	JUDGE WOODRUFF: Ameren?	
11	MR. MITTEN: No questions.	
12	JUDGE WOODRUFF: Move for questions	
13	from the bench then.	
14	Commissioner Kenny?	
15	CHAIRMAN KENNEY: No thank you.	
16	JUDGE WOODRUFF: Mr. Hall?	
17	COMMISSIONER HALL: No questions.	
18	JUDGE WOODRUFF: All right.	
19	There were no questions so there's no	
20	need for recross or redirect and you can step down.	
21	A. Thank you very much.	
22	MS. ILES: Judge Woodruff we have a	
23	request. Let me preface my request by explaining	
24	that I was, understood your ruling yesterday that	
25	you did not wish to hear an opening statement from	

Page 2659

- 1 the MIEC in this matter. We do, however, have
- 2 available today to testify a representative from
- 3 the MIEC, he's the chair of the MIEC and he's from
- 4 Monsanto Corporation, his name is Steve Spinner,
- 5 he's available to provide testimony about the
- 6 stipulation which we think would be helpful to the
- 7 Commission in evaluating that stipulation.
- JUDGE WOODRUFF: Are you anticipating
- 9 there will be questions from the commissioners?
- 10 MS. ILES: We would like to ask Mr.
- 11 Spinner some questions but if the commissioners, if
- 12 you'd rather do it that way, either way.
- 13 JUDGE WOODRUFF: Well I'll ask the
- 14 other parties.
- Do you have any objection to bringing
- 16 Mr. Spinner on?
- MR. LOWERY: Yes, we do have an
- 18 objection, it's completely out of order. This
- 19 person's not on the witness list, he didn't file
- 20 any testimony and the Commission can't consider the
- 21 stipulation. The stipulation is a position of
- 22 these parties, that's all it is, they can't
- 23 consider it, they can't approve it, they have to
- 24 decide this case based on the substantial and
- 25 competent evidence of record and based on the

Page 2660

- 1 contested issues that the parties agreed upon that
- 2 are before them. It's completely improper for MIEC
- 3 to simply try to bolster the position of giving
- 4 Noranda some kind of subsidy by bringing Mr.
- 5 Spinner in at this time so absolutely we object.
- JUDGE WOODRUFF: Let me ask the
- 7 commissioners.
- 8 Do you have any questions you would
- 9 like to ask Mr. Spinner for MIEC?
- 10 CHAIRMAN KENNEY: That's a loaded
- 11 question. I mean so, I guess the other question is
- do we have any questions about the nonunanimous
- 13 stipulation and agreement?
- JUDGE WOODRUFF: Right.
- 15 CHAIRMAN KENNEY: Maybe. I don't
- 16 know if I have them today, but.
- 17 MS. ILES: Mr. Spinner is available
- 18 right now, he's here today. He is not available
- 19 tomorrow, he could come back on Friday.
- 20 CHAIRMAN KENNEY: Why does it have to
- 21 be him?
- 22 MS. ILES: He's the chairman of the
- 23 MIEC and he's just made time in his schedule to be
- 24 here Mr. Chairman. So he's here.
- 25 CHAIRMAN KENNEY: Let me ask a

Page 2661 question. MIEC is a party to the case, right? 1 2 MS. ILES: Yes. That's correct. 3 CHAIRMAN KENNEY: Why wasn't he disclosed as a witness? 4 5 MS. ILES: Because what he's here to 6 talk about is something that hasn't happened before 7 the hearing started. He's here to talk about the 8 stipulation that was entered into after the hearing already started and all the testimony had been filed. And that's why he didn't provide pre-filed 10 11 testimony and it's my understanding that it is not 12 unusual, that it has happened in the past that witnesses have testified about nonunanimous 13 stipulation and answered questions of the 14 15 commission on this topic. 16 JUDGE WOODRUFF: What we've typically 17 done is allowed extra questions at the beginning of a witness's testimony who have already pre-filed 18 evidence. It would be unusual to bring in a new 19 20 witness to testify about that. I don't know that 21 it's unprecedented, I've just never seen it done. MR. LOWERY: May I respond to one 22 comment? It's true that this particular 23 24 stipulation didn't exist until now but MIEC and others filed a stipulation or at least supported a 25

Page 2662

- 1 stipulation back in I believe it was October that
- 2 had a price that was almost the same as the price
- 3 that is in this stipulation and many of the terms
- 4 of which are in many respects quite similar.
- 5 MIEC's had months if they wanted to put on a
- 6 witness to support rate relief for Noranda and they
- 7 chose not to do so and it's fundamentally unfair
- 8 and a violation of what the company's and any other
- 9 party's due process at this time to allow a witness
- 10 to get up without any preparation, without any
- 11 notes whatsoever and say whatever he wants to say
- in support of stipulation that doesn't even mean
- 13 anything at this point. They could have filed a
- 14 brief in the case and said we support this relief.
- 15 It makes it no more important than the stipulation,
- 16 the stipulation is nothing more than an argument at
- 17 this point.
- JUDGE WOODRUFF: Mr. Hall do you want
- 19 to weigh in?
- 20 COMMISSIONER HALL: I have a
- 21 question.
- JUDGE WOODRUFF: Okay.
- 23 COMMISSIONER HALL: For Mr. Spinner.
- 24 So I would be fine with --
- MS. ILES: I'd just like to point out

Page 2663

- 1 that in Ameren's opening statement they
- 2 specifically mentioned Monsanto and made the
- 3 statement that a company like Monsanto's likely to
- 4 come in. Mr. Spinner 'S from Monsanto, he can
- 5 certainly speak to that issue as well.
- 6 CHAIRMAN KENNEY: Let me ask another
- 7 question here th is for Mr. Lowery or whoever wants
- 8 to answer.
- 9 Was it contemplated that a corporate
- 10 -- I mean MIEC is an entity.
- 11 MS. ILES: MIEC is a nonprofit
- 12 corporation and it's members are corporations.
- 13 CHAIRMAN KENNEY: Was it contemplated
- 14 that there would be some corporate representative
- 15 of MIEC to testify?
- MR. LOWERY: No it was not
- 17 contemplated. MIEC is a corporation that was
- 18 formed by attorneys at Bryan Cave and all of the
- 19 officers and directors at least according to the
- 20 annual report that's filed each year are also
- 21 attorneys at Bryan Cave. MIEC has filed testimony
- 22 of numerous witnesses in this case. This is my
- 23 sixth rate case in a row and I've probably been in
- 24 20 cases with MIEC, there's never been a corporate
- 25 representative of MIEC appear so this would be

Page 2664 unprecedented at least in my 15 years of practice 2 here at the Commission. 3 CHAIRMAN KENNEY: Mr. Spinner is the president of the organization? 4 5 MS. ILES: He's the chair. 6 CHAIRMAN KENNEY: He's not listed on 7 any of the corporate documents? MS. ILES: I don't think he's a 8 9 corporate officer but he's the current chair of the organization. 10 11 JUDGE WOODRUFF: Mr. Thompson you 12 want to be heard? 13 MR. THOMPSON: I just wanted to remind the judge that in the past it was the 14 15 practice to allow the public to testify at rate case hearings when they were convened here in 16 17 Jefferson City and so in the nature of a local public hearing almost and so perhaps the Commission 18 could take Mr. Spinner's testimony in the same way 19 that the testimony of participants at local public 20 21 hearings have been taken. JUDGE WOODRUFF: That hasn't been the 22 practice in the last 15 years. At least that I've 23 been here. 24 25 CHAIRMAN KENNEY: Can I say I think

Page 2665

- 1 the issue is kind of disposed of, the commissioner
- 2 said he wants to question him, I think we're going
- 3 to bring him up and swear him, I guess I'm just
- 4 trying to figure out what's fair. Do you want to
- 5 take a recess after he testifies to have an
- 6 opportunity to cross examine him?
- 7 JUDGE WOODRUFF: What I anticipated
- 8 doing if we do it we bring him up, ask questions
- 9 from the bench then we can have cross based on that
- 10 and the final chance for redirect based on the
- 11 questions from the bench.
- MS. ILES: So no direct by me?
- JUDGE WOODRUFF: No direct by you.
- 14 MS. ILES: All right. That would be
- 15 fine.
- 16 MR. LOWERY: And I lodge my objection
- 17 and I certainly respect the right of the
- 18 commissioners to allow him to testify, I've lodged
- 19 my objection.
- JUDGE WOODRUFF: Your objection is
- 21 noted.
- MR. LOWERY: There's probably nothing
- 23 more to say about it.
- JUDGE WOODRUFF: Bring him forward.
- 25 (Whereupon, the witness was sworn)

Page 2666 JUDGE WOODRUFF: And for the record 1 2 can you identify who you are? 3 Sure. My name is Steven Spinner, I am the chair for the MIEC and I understand that 4 5 just recently I was also added to the corporate documents as the vice-president of the MIEC also. 6 7 That's a recent development. I am the category 8 lead for energy procurement for Monsanto, I am responsible for energy and utility services throughout the United States for the company. In a 10 prior position with Anheuser Busch I had the same 11 12 position there and prior to that position with 13 Anheuser Busch I was also responsible, part of a team that was responsible for buying over 1.3 14 15 billion pounds of aluminum every year and so we spent a lot of time studying aluminum smelters and 16 17 understanding what their cost structures were and so while my knowledge of aluminum markets is a bit 18 dated the process and the inputs to the process I'm 19 sure haven't changed in that approximately 10 years 20 21 since I was doing that. JUDGE WOODRUFF: Okay. 22 23 Mr. Chairman did you want to go first? 24 25 CHAIRMAN KENNEY: Yeah, actually I

Page 2667 just have a couple questions. 2 EXAMINATION 3 OUESTIONS BY CHAIRMAN KENNEY: 4 Q. Are you familiar with the document 5 that's titled Nonunanimous Stipulation and 6 Agreement Regarding Economic Development, Class 7 Cost of Service, Revenue Allocation and Rate 8 Design? 9 Α. Yes, sir. 10 Q. What was your involvement in the 11 preparation of the document? 12 I got involved some time about 14 13 months ago in negotiating this deal and trying to get all the consumers together in one group to sign 14 15 on to the stipulation. 16 Hold on a second. Q. 17 Α. Yes, sir. 18 I'm talking a document that was Q. 19 e-mailed to the parties in the case on the 9th of 20 March, 2015. 21 Α. That's the nonunanimous stipulation. 22 CHAIRMAN KENNEY: May I hand this to 23 him? 2.4 JUDGE WOODRUFF: Sure. 25 Α. Yes, sir.

Page 2668

- Q. (BY CHAIRMAN KENNEY) You're familiar
- 2 with this?
- 3 A. Yes, I am.
- 4 Q. And you're saying the process of
- 5 developing this document came about 14 months ago?
- A. Well, we started negotiating that
- 7 document that was filed last year asking for rate
- 8 relief which was since then denied. What we have
- 9 here is an outcropping of that, that was the basis
- 10 of it and then we built from there. But I have
- 11 been involved in negotiations for some 14 months
- 12 that finally arrived at that document.
- 13 Q. And when you say you were involved
- 14 with negotiations, with whom were you involved with
- 15 these negotiations?
- 16 A. Other consumer parties, the Office of
- 17 Public Counsel, well, most every, all of the
- 18 signators of that document listed at the bottom
- 19 were involved in the negotiations. Along with the
- 20 two that, Wal-Mart and MECG I believe is the name
- 21 of the group that are not members of that, were
- 22 also deeply involved in the negotiations of that
- 23 document.
- Q. Okay. There was a nonunanimous
- 25 stipulation and agreement that was filed back in

Page 2669 October of 2014. Is that the document you would have been talking about? 3 Α. Yes, sir. Q. That was this other one? 4 5 A. That was. 6 Right. And this was on outgrowth of Q. 7 that and some other things added to it. 8 Α. Right. 9 CHAIRMAN KENNEY: I don't have any 10 other questions just yet. I may but I can't think of any right now. 11 12 EXAMINATION QUESTIONS BY COMMISSIONER KENNEY: 13 14 Q. Hello Mr. Spinner. 15 A. Hi, how are you? 16 Good. Q. 17 Does Monsanto have any type of financial or business affiliation with Noranda? 18 19 A. No. 20 Does Monsanto buy supplies from Q. 21 Noranda? 22 A. No. 23 Q. So why is Monsanto interested in 24 Noranda having lower energy rates? 25 Well, it's important to us to have Α.

Page 2670

- 1 Noranda on Ameren's system to help cover, their
- 2 huge amount of volume helps cover the fixed cost.
- 3 If Ameren, or I'm sorry, if Noranda were to go off
- 4 the system I would have to pick up those
- 5 additional, I, my company, the MIEC members would
- 6 have to pick up that additional fixed charge
- 7 coverage and we would see our rates estimated to go
- 8 up about 2.1 percent.
- 9 Q. So this is just the lessor of two
- 10 evils?
- 11 A. That's correct, yes.
- 12 Q. So your rate would increase by what?
- 13 **1.1** --
- 14 A. Well, residentials I believe are
- 15 1.15, the industrials are about 1.5 percent, we
- 16 would be taking a bigger hit than the residentials
- 17 would be taking.
- 18 Q. That would save you six-tenths of a
- 19 percent.
- 20 A. That is correct. Additionally the
- 21 whole idea of having them there to provide the
- 22 security to the system and provide the, the system
- 23 just works more efficiently when you have large
- 24 users on the system that you can depend to be there
- 25 24 hours a day seven days a week.

		Page 2671
1	Q. Okay. Thank you.	
2	JUDGE WOODRUFF: Commissioner Hall?	
3	EXAMINATION	
4	QUESTIONS BY COMMISSIONER HALL:	
5	Q. Good afternoon. Commissioner Kenney	
6	asked the majority of the questions I was going to	
7	ask but I will turn to one other issue and that is	
8	the economic development rider which is Exhibit A	
9	to the nonunanimous stip. Are you familiar with	
10	that?	
11	A. Slightly familiar with it but I'm no	t
12	a lawyer and so I haven't gone myself into looking	
13	at this alternative to the stipulation.	
14	Q. So you are not involved in the	
15	drafting or negotiation of this modified economic	
16	development rider.	
17	A. No, sir.	
18	Q. So you wouldn't be able to answer an	У
19	questions about how this could apply to any	
20	particular Ameren customer.	
21	A. No, sir.	
22	Q. Okay.	
23	COMMISSIONER HALL: I have no further	r
24	questions.	
25	JUDGE WOODRUFF: Cross based on thos	8

		Page 2672
1	questions from the bench?	
2	Ameren?	
3	MR. LOWERY: I assume I can ask cross	
4	about testimony he gave to a question you asked	
5	initially about his position?	
6	JUDGE WOODRUFF: Yes.	
7	CROSS EXAMINATION	
8	QUESTIONS BY MR. LOWERY:	
9	Q. Is it your testimony under oath that	
10	documents have been filed with the Missouri	
11	Secretary of State making you an officer of MIEC?	
12	A. I believe that to be correct, I was	
13	e-mailed a document for my signature last week	
14	which I signed and e-mailed back to Bryan Cave, I'm	
15	not sure if it's been filed yet or not.	
16	Q. So your testimony is you don't know	
17	if it's been filed.	
18	A. No, sir. I know I signed it.	
19	Q. Would it surprise you that in fact it	
20	has not been filed?	
21	A. It would not surprise me, no. It was	
22	a very short time ago.	
23	Q. So in fact no change has been made	
24	with the Secretary of State, isn't that true?	
25	A. I don't know that, sir.	

			Page 2673
1		MR. LOWERY: I don't have any other	
2	questions Your	Honor.	
3		JUDGE WOODRUFF: Any redirect based	
4	on those quest	ions from the bench?	
5		Thank you, sir, you can step down.	
6		MS. ILES: Thank you Your Honor, I	
7	appreciate tha	t.	
8		JUDGE WOODRUFF: And then I believe	
9	we would be re	eady for Mr. Pratt.	
10		MR. MALLIN: Yes, Your Honor.	
11	(Where	eupon, the witness was sworn)	
12		JUDGE WOODRUFF: You may inquire.	
13		MR. MALLIN: Thank you, Your Honor.	
14		EXAMINATION	
15	QUESTIONS BY M	IR. MALLIN:	
16	Q.	Could you state your full name for	
17	the record?		
18	Α.	Colin Ronald Pratt.	
19	Q.	Mr. Pratt by whom are you employed?	
20	Α.	CRU International.	
21	Q.	And is that C-R-U, CRU?	
22	Α.	That's correct.	
23	Q.	And in what position or capacity?	
24	Α.	Management consultant and CRU	
25	consultant.		

Page 2674

- 1 Q. Did you cause to prepare and have
- 2 filed with the Public Service Commission certain
- 3 direct testimony as well as surrebuttal testimony?
- 4 A. Yes, I did.
- 5 Q. And are those before you in Exhibits
- 6 **608** and **609**?
- 7 A. No, they're not.
- 8 Q. Well, let me get those for you.
- 9 I'm sorry Mr. Pratt, do you now have
- 10 them before you?
- 11 A. Yes, I do.
- 12 Q. Let me ask my question again. Do you
- have now before you Exhibit 608 and 609?
- 14 A. Yes, I do.
- 15 Q. And is 608 your direct testimony in
- 16 this case?
- 17 A. Yes.
- 18 Q. And is 609 your surrebuttal testimony
- 19 in this case?
- 20 A. It is.
- 21 Q. And if I were to ask you the same
- 22 questions today would you provide the same answers
- 23 that are found in both your direct as well as
- 24 surrebuttal testimony?
- 25 A. Yes, I would.

Page 2675 1 0. Is there any changes that you wish to 2 make to any of that testimony? 3 Α. No. MR. MALLIN: Your Honor, I'd move for 4 the admission of Exhibits 608 and 609. 5 JUDGE WOODRUFF: 608 and 609 are 6 7 offered, any objection to their receipt? Hearing none they will be received. 8 MR. MALLIN: Thank you, Your Honor. 9 I'll tender the witness. 10 JUDGE WOODRUFF: For cross begin with 11 Public Counsel? 12 13 MR. ALLISON: No questions. 14 JUDGE WOODRUFF: MECG? 15 MR. WOODSMALL: No questions. JUDGE WOODRUFF: United for Missouri? 16 17 MR. LINTON: No questions. JUDGE WOODRUFF: Staff? 18 19 MR. THOMPSON: No questions. Thank 20 you. 21 JUDGE WOODRUFF: Ameren? 22 MR. NELSON: No questions. 23 JUDGE WOODRUFF: Questions from the 24 bench? 25 Mr. Chairman?

Page 2676 1 CHAIRMAN KENNEY: No questions. 2 Thank you Mr. Pratt. 3 JUDGE WOODRUFF: Mr. Hall? 4 EXAMINATION 5 QUESTIONS BY COMMISSIONER HALL: 6 Good afternoon. Q. 7 Α. Good afternoon. 8 Q. You had a comment in your direct 9 testimony that I hope you could elaborate on. You 10 said on page 11 it is often said that an economic 11 forecaster is driving a car with only a rear-view 12 mirror and with a substantial blind spot. I thought it was kind of funny, but also seems 13 14 abundantly accurate but I was wondering if you 15 could just comment on that for a second. What it means is that when we make a 16 Α. 17 full cusp we're using only information we have at present and there's a lag in the receipt of that 18 information so that's the blind spot, so in other 19 words what's happened in the last two or three 20 21 months may not be apparent because the statistics haven't yet been published or they're going to be 22 revised and we're driving a car with only a 23 24 rear-view mirror because we know what's happened in 25 the past but we don't know what's going to happen

			Page 2677
1	in the future		
2	Q.	Okay.	
3		COMMISSIONER HALL: I have no further	
4	questions.		
5		JUDGE WOODRUFF: Mr. Rupp?	
6		Anyone wish To recross based on those	
7	questions fro	m the bench?	
8		Redirect?	
9		MR. MALLIN: No, Your Honor.	
10		JUDGE WOODRUFF: All right. Then Mr.	
11	Pratt you can	step down.	
12	Α.	Thank you.	
13		I believe Mr. Schwartz will be next.	
14		MR. MALLIN: Your Honor I'm told Mr.	
15	Schwartz appa	rently caught the flu, unbeknownst to	
16	me.		
17		JUDGE WOODRUFF: Did anyone have any	
18	cross examina	tion for Mr. Schwartz?	
19		MR. MALLIN: If I could have two	
20	minutes to fi	gure out where we are on that.	
21		JUDGE WOODRUFF: All right.	
22		MR. MALLIN: I think we have another	
23	witness back	there we can bring out. Just give me	
24	a second if y	ou wouldn't mind Your Honor.	
25		JUDGE WOODRUFF: Okay.	

Page 2678 1 (DISCUSSION HELD OFF THE RECORD) 2 MR. MALLIN: Your Honor just to give 3 you an update Mr. Schwartz was having GI cramps and he has gone back to the hotel, I'm hoping to hear 4 5 back from him later this afternoon but we are going to bring forward Mr. Harris. 6 7 JUDGE WOODRUFF: Let me ask the 8 parties about Mr. Schwartz. 9 Did anyone have any cross examination 10 for him? MR. MALLIN: That's fine, Your Honor. 11 12 MR. NELSON: Your Honor we would have a small amount of cross examination. Now I offer 13 this as an alternative. My cross examination would 14 15 be premised upon questions I asked him in deposition and to not further inconvenience Dr. 16 17 Schwartz the court is inclined to let his direct testimony in under these circumstances. We can 18 certainly submit our cross examination questions 19 20 and answers by reference to page and line of 21 deposition transcript as an alternative to pulling 22 the poor man in here live. 23 MR. MALLIN: I appreciate the offer, 24 I may accept the offer but the reality is I really need to talk to Mr. Schwartz. As Your Honor is 25

Page 2679 aware I didn't ask any followup questions at his 2 deposition because there wasn't a need at the time 3 so I think it would be prudent on my part to talk to Mr. Schwartz when we're on our next break to see 4 5 where we are and then I'll address the offer from 6 there. 7 JUDGE WOODRUFF: That's fine. Got 8 plenty of other witnesses to get through today, so. I expect we'll be here tomorrow as well so hopefully he can feel better tomorrow. 10 MR. MALLIN: He did report late 11 12 yesterday he wasn't feeling well. 13 JUDGE WOODRUFF: That's going around. 14 MR. MALLIN: I appreciate it Your 15 Honor, thank you. 16 JUDGE WOODRUFF: You're welcome. 17 (Whereupon, the witness was sworn) 18 JUDGE WOODRUFF: You may inquire, 19 DIRECT EXAMINATION QUESTIONS BY MS. ILES: 20 21 Will you please state your full name Q. for the record? 22 23 Α. Thomas Harris. 24 Q. Mr. Harris where are you employed? 25 Silicon Valley Bank. Α.

Page 2680 And what is your position there? 1 Q. 2 Α. I am managing director there now. A 3 slight change from when I gave my testimony. 4 Okay. That's different from what's Q. 5 in your testimony you said? 6 Α. Just a promotion. Same place. 7 Congratulations. Q. Thanks. 8 Α. 9 Q. And did you prepare pre-filed 10 testimony in this case which is, there are copies of it, I've handed to you which is marked Exhibits 11 12 604 and 605? 13 Α. I did. 14 Q. And if I were to ask you the 15 questions that are included in that testimony today 16 would your answers be the same? 17 Α. Yes. MS. ILES: Your Honor I offer 18 Exhibits 604 and 605 and tender the witness for 19 20 cross examination. 21 JUDGE WOODRUFF: 604 and 605 have 22 been offered, any objection to their receipt? 23 Hearing none they will be received. 2.4 And for cross examination beginning 25 with Public Counsel?

		Page 2681
1	MR. ALLISON: No questions. Thank	
2	you.	
3	JUDGE WOODRUFF: MECG?	
4	MR. WOODSMALL: No questions.	
5	JUDGE WOODRUFF: United for Missouri?	
6	MR. LINTON: No questions.	
7	JUDGE WOODRUFF: Staff?	
8	MR. THOMPSON: No questions.	
9	JUDGE WOODRUFF: Ameren?	
10	MR. NELSON: No questions.	
11	JUDGE WOODRUFF: All right.	
12	Questions from the bench. Mr. Chairman?	
13	CHAIRMAN KENNEY: No questions.	
14	JUDGE WOODRUFF: Mr. Kenney?	
15	COMMISSIONER KENNEY: No questions.	
16	JUDGE WOODRUFF: Mr. Hall.	
17	COMMISSIONER HALL: No questions.	
18	Thank you.	
19	JUDGE WOODRUFF: Mr. Rupp?	
20	COMMISSIONER RUPP: No questions.	
21	JUDGE WOODRUFF: There were no	
22	questions from the bench or from other parties so	
23	there's no need for recross or redirect and you can	
24	step down.	
25	A. Thank you.	

		Page 2682
1	Would Mr. Fayne be next then?	
2	MR. DOWNEY: Yes.	
3	(Whereupon, the witness was sworn)	
4	DIRECT EXAMINATION	
5	QUESTIONS BY MS. ILES:	
6	Q. Would you please state your name for	
7	the record?	
8	A. My name is Henry Fayne.	
9	Q. Mr. Fayne, where are you employed?	
10	A. I'm self employed.	
11	Q. What is the, do you have a company or	
12	a consulting business that you work with?	
13	A. I am a self employed consultant.	
14	Q. And Mr. Fayne did you prepare	
15	testimony that was pre-filed in this case, a copy	
16	of which I've handed you which has been marked as	
17	Exhibits 602 and 603?	
18	A. Yes, I did.	
19	Q. And if I were to ask you the	
20	questions that are included in that testimony here	
21	today would your answers be the same?	
22	A. Yes, they would.	
23	MS. ILES: Your Honor, I move for the	
24	admission of Exhibits 602 and 603 and tender the	
25	witness for cross examination.	

	Page 2683
1	JUDGE WOODRUFF: 602 and 603 have
2	been offered. Any objections to their receipt?
3	Hearing none they will be received.
4	And cross examination beginning with
5	Public Counsel.
6	MR. ALLISON: No questions.
7	JUDGE WOODRUFF: MECG?
8	MR. WOODSMALL: Yes, Your Honor.
9	CROSS EXAMINATION
10	QUESTIONS BY MR. WOODSMALL:
11	Q. Good afternoon Mr. Fayne.
12	A. Good afternoon.
13	Q. Just refresh my memory, you have
14	testified on behalf of Noranda at the Missouri
15	Public Service Commission this is your fourth time,
16	is that correct?
17	A. I have testified before, I'll take
18	your word that it's the fourth time.
19	Q. Okay. And in each of those pieces of
20	testimony you provided a comparison of Noranda's
21	cost of electricity to other domestic smelters, is
22	that correct?
23	A. That is correct.
24	Q. And you're familiar with the smelters
25	you have on your list?

Page 2684 1 Α. With most of them, yes. 2 Okay. And the cost of electricity Q. 3 that you talk about is available at Schedule HWF-1 to your testimony, is that correct? 4 5 Α. That is correct. 6 Okay. I'd like to ask you about a Q. 7 couple of those. The first one is the word 8 smelter, are you familiar with that? 9 Α. The word smelter, just generally, yes, the outgoing smelter. 10 11 Is it your understanding that the Q. 12 work smelter is served electricity by a self-owned 13 coal burning power plant? 14 Α. Yes, it's a fully integrated system, 15 coal mine plant and then the smelter. 16 Okay. You're a former AEP executive. Q. 17 Would you agree that the costs to build a coal fired plant would be hundreds of millions if not 18 billions of dollars? 19 20 A. To build a new one? 21 Q. Yes. 22 Yes, that would be true. Α. 23 Q. And do you know if Noranda has

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I would hope not.

explored such an option?

Α.

24

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Page 2685

- 1 Q. Okay. A couple of others. The
- 2 Hawesville plant, is it your understanding that
- 3 Hawesville takes service, gets electric service via
- 4 the wholesale market?
- 5 A. Yes. As of I think the beginning of
- 6 2014.
- 7 Q. Okay.
- 8 A. Or thereabouts.
- 9 Q. I'm going to ask you, let me talk
- 10 with your counsel real quick.
- 11 (DISCUSSION HELD OFF THE RECORD)
- 12 Q. (BY MR. WOODSMALL) What I'm going to
- ask you to do, if you go back to your 2010
- 14 testimony, he provided the same information, a
- 15 comparison and the information there in HWF-1 that
- 16 I'll pass out was a public document. Now the same
- 17 information is highly confidential, I don't
- 18 understand the distinction for being highly
- 19 confidential here and I'm trying to avoid going In
- 20 camera for this.
- JUDGE WOODRUFF: Okay.
- 22 MS. ILES: Your Honor, it should have
- 23 been highly confidential in the last because of the
- 24 source of the information is proprietary and that's
- 25 why it couldn't be disclosed.

Page 2686 1 MR. WOODSMALL: Well, they released 2 it 2010 and 2012 now suddenly the information is 3 highly confidential. MS. ILES: It's actually not 4 5 Noranda's interest that we're protecting of that, it's the source and we should have protected it in 7 the other case. JUDGE WOODRUFF: Is it the same 8 information or is it updated information? 10 MR. WOODSMALL: It's updated. 11 JUDGE WOODRUFF: Okay. You can certainly explore that, I'm inclined to go ahead. 12 13 MR. WOODSMALL: Okay. We need to go 14 In camera then. 15 JUDGE WOODRUFF: Okay. 16 MR. WOODSMALL: Hold on a second, let 17 me get a foundation established and then we'll go 18 In camera. 19 JUDGE WOODRUFF: Okay. 20 MR. WOODSMALL: 979 Your Honor? 21 JUDGE WOODRUFF: Correct. 22 Q. (BY MR. WOODSMALL) Mr. Fayne, do you 23 recognize Exhibit 979? 24 A. Yes, sir. 25 And would you agree that that is the Q.

Page 2687 comparison cost of electricity for the domestic 1 2 smelters that you filed in ER-2010 dash 0036? 3 I can't recall the rate case number but yes, it represents the 2009 data. 4 5 Q. Okay. MR. WOODSMALL: Now I believe we need 6 7 to go In camera Your Honor. JUDGE WOODRUFF: All right. We will 8 go In camera. 10 11 (REPORTER'S NOTE: An in-camera session was held, which is contained in Volume 34, pages 2687-2688 of 12 13 the transcript.) 14 15 16 17 18 19 20 21 22 23 24 25

Page 2689 JUDGE WOODRUFF: All right. While we 1 2 were in closed section Counsel offered Exhibit 979 3 which would be, let's see, -- would the exhibit itself be HC? 4 5 MR. WOODSMALL: No, the exhibit was 6 never marked --7 MS. ILES: Well, if I could just explain Your Honor. The source of the information 8 is CRU and Noranda is able to access that information because they pay a subscription fee is 10 11 my understanding and so we had asked CRU if we 12 would be able to provide this information generally without making it confidential, I guess we must 13 have asked after we prepared this in the last case 14 15 but they did tell us no, they considered it proprietary, it's not available to the general 16 17 public without a subscription and that's why we marked it HC to protect their proprietary 18 19 information, it's not really a Noranda secret. 20 JUDGE WOODRUFF: All right. 21 Mr. Woodsmall any response? MR. WOODSMALL: Given the state 22 policy for releasing information this has already 23 24 been released, to try to unring the bell this is going back to the 2010 case, so five years ago. 25

Page 2690 The second point is the company, Noranda, has 2 released CRU information repeatedly as we've seen 3 in the various SEC filings, they include CRU information in the decs that we've seen attached to 4 5 investor meetings they released CRU information so the release of CRU information isn't absolute. Or 6 7 the protection of it is not absolute. JUDGE WOODRUFF: We'll ago ahead and 8 market it as HC understanding that if somebody wants to get creative they can go back and find it 10 in the earlier case. But for this case we'll 11 12 market it as HC. It's 979 HC, any objections to 13 its receipt? 14 Hearing none it will be received. 15 Any other cross? 16 MR. WOODSMALL: No. 17 JUDGE WOODRUFF: Ameren Missouri? 18 MR. MITTEN: No. 19 JUDGE WOODRUFF: United For Missouri? Mr. Linton? 20 21 MR. LINTON: No questions, Your 22 Honor. 23 JUDGE WOODRUFF: Staff? 2.4 MR. THOMPSON: Thank you. 25 CROSS EXAMINATION

Page 2691 OUESTIONS BY MR. THOMPSON: 2 Dr. Fayne, good afternoon. Q. 3 Α. I wish it was Dr. but it's not. 4 Q. Mr. Fayne, excuse me. I'm glad I 5 accidentally promoted you rather than accidentally 6 demoted you. 7 I understand you're an expert in the 8 power industry through years of experience, is that correct? Yes, sir. 10 Α. 11 And particularly they provision of Q. 12 power to aluminum smelters, is that correct? Yes, sir. 13 Α. 14 Q. Okay. Based on your experience in 15 the power industry would you agree with me that 16 there is a point on any given day at which it is 17 more beneficial for the other ratepayers of Ameren Missouri a point below cost at which it's better to 18 have Noranda on the system than to have them off 19 20 the system? 21 Α. Yes. 22 Q. Okay. And would you agree with me 23 that that point necessarily will change over time? 2.4 Α. Yes. 25 As conditions change. Q.

			Page 2692
1	A. C	orrect.	
2	Q. N	ow, do you think that point could be	
3	calculated for	a period of a week?	
4	А. У	es.	
5	Q. H	ow about a period of a month?	
6	А. У	es.	
7	Q. A	period of a quarter?	
8	А. У	es.	
9	Q. A	period of a year?	
10	А. У	es.	
11	Q. A	period of approximately 18 months,	
12	the average int	erval between Ameren Missouri rate	
13	cases?		
14	А. У	es, I do.	
15	Q. T	hank you.	
16	М	R. THOMPSON: No further questions.	
17	J	UDGE WOODRUFF: For Ameren?	
18		CROSS EXAMINATION	
19	QUESTIONS BY MR	. MITTEN:	
20	Q. C	ontinuing Mr. Thompson's line do you	
21	think that that	number could be calculated for five	
22	years?		
23	А. Т	here could be, one could calculate a	
24	number for five	years, it would be a forecast, it	
25	would not be an	absolute.	

Page 2693 1 Q. How about seven years or 10 years? 2 Α. I believe that is all doable. 3 Ο. But it would be forecasts and not absolute? 4 5 Α. It depends on the rate making structure quite frankly. It's been done in other 6 7 states where rates have been set or discounts have been provided for 10 year periods where it has been 8 determined that other ratepayers are better off for that whole period of time. 10 11 But I'm getting to the accuracy of Q. 12 the estimate as to what that point would be seven years or 10 years into the future. 13 14 Α. That could be more difficult but I'm 15 not saying impossible. 16 Q. And would you agree that the farther 17 out you go the less confidence you would have in that estimate? 18 19 The potential is that you might hit a Α. brief period where it was incorrect and the 20 21 customer might not have been better off for a specific period but I think you could probably 22 determine a number where it could be concluded the 23 24 customer is better off over the entire period.

But again how much confidence would

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Q.

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Page 2694

- 1 you have in that number?
- 2 A. I think that could be done with great
- 3 confidence.
- 4 Q. Mr. Woodsmall noted that this is the
- 5 fourth time that you've testified on behalf of
- 6 Noranda before this Commission. Do you recall
- 7 that?
- 8 A. Yes, I do.
- 9 Q. But this, Missouri's not the only
- 10 state in which you have testified in support of a
- 11 special rate for an aluminum smelter, is that
- 12 correct?
- 13 A. That is correct.
- 14 Q. You've previously testified in
- 15 Kentucky, West Virginia and Ohio, is that correct?
- 16 A. That is correct.
- 17 Q. Now, could you please turn to page 4
- 18 of your direct testimony, and I want to focus on
- 19 the question that begins on line 19. The question
- 20 says that you conclude that the rate treatment
- 21 requested by Noranda in this proceeding is
- 22 consistent with rate treatment provided by
- 23 regulatory commissions in other states.
- 24 Did I correctly characterize the
- 25 testimony?

Page 2695 Α. That's the answer on page 5, yes. 1 2 Q. And your conclusion is that it is consistent? 3 Α. Yes, I do believe it is. 4 5 In the Kentucky case that you Q. testified, that was on behalf of the Hawesville 6 7 smelter, is that correct? Both Hawesville and Sebree smelters. 8 Α. 9 And in that proceeding the Kentucky Q. commission authorized the smelter to break a 10 11 contract where it was receiving service as a retail 12 customer and begin to acquire service in the 13 market, is that correct? 14 No, that's not. Their testimony with Α. the Sebree and Hawesville smelters was related to 15 the contract that, with Big Rivers that basically 16 17 established the relationship with Big Rivers when Louisville Gas and Electric transferred ownership 18 back to Big Rivers. The latest case where those 19 20 smelters each were permitted --21 Mr. Fayne, I don't think you're 22 really answering my question. Could you turn to

And beginning on line 7 doesn't that

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page 6 of your direct testimony?

Yes.

Α.

Q.

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2.4

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Page 2696

- 1 testimony say the Kentucky PSC approved Century
- 2 Aluminum's request to terminate the Hawesville
- 3 contract with Big Rivers before the end of the
- 4 contractual term allowing Century Aluminum to
- 5 purchase power from the market instead?
- 6 A. I understand --
- 7
  Q. Isn't that what it says?
- 8 A. That's what it says but I did not
- 9 testify in that case.
- 10 Q. Thank you Mr. Fayne, that's the only
- 11 question I had for you.
- 12 And beginning at page 6 of your
- 13 direct testimony you also describe two cases in
- 14 Ohio, one in 2009 and one in 2013 that dealt with a
- 15 special rate arrangement for the Ormet Aluminum's
- 16 Hannibal smelter. Did you testify in support of
- 17 the smelter's special rate proposal in each of
- 18 those cases?
- 19 A. Yes.
- 20 Q. The special rate arrangement for
- 21 Ormet's Hannibal smelter that the Ohio Commission
- 22 approved based rates for the smelter on the LME
- 23 price of aluminum, is that correct?
- 24 A. Yes.
- 25 Q. And as the LME price of aluminum

Page 2697 increased so did the rates the smelter paid for 2 electricity, is that correct? 3 Α. Correct. The Ohio Commission also kept the 4 Q. 5 amount of rate subsidies that a smelter could refuse in any given year, is that correct? 6 7 Α. Yes. 8 Q. And the Ohio Commission tied the rate subsidies provided in the 2009 order to the smelter's commitment to maintain certain minimum 10 11 levels of employment, isn't that correct? 12 Α. Yes. 13 Q. And if the smelter failed to honor 14 that equipment and reduced employment below the 15 minimum level the amount of the rate subsidy decreased, is that correct? 16 17 Α. Yes. 18 Q. The Ohio Commission also required the 19 smelter to pay rates in excess of the electric 20 co-op's normal tariff rate if the LME price of 21 aluminum exceeded a certain target price, is that 22 correct? 23 Α. Yes. 24 Q. At page 7 of your direct testimony 25 you mention a 2013 case in West Virginia that

Page 2698

- 1 involved a special rate arrangement for the
- 2 Ravenswood smelter. Did you testify in support of
- 3 the smelter's special rate arrangement in that
- 4 case?
- 5 A. Yes.
- 6 MR. MITTEN: Your Honor, I'd like to
- 7 have an exhibit marked.
- JUDGE WOODRUFF: All right. It's
- 9 number 73.
- 10 Q. (BY MR. MITTEN) Mr. Fayne if you
- could take a moment to look at Exhibit 73 and tell
- 12 me if that's a copy of the West Virginia
- 13 Commission's final order in the 2013 case involving
- 14 the Ravenswood smelter's request for special rate?
- 15 A. Does appear to be, yes, sir.
- 16 MR. MITTEN: Your Honor, I move for
- 17 the admission of Exhibit 73.
- JUDGE WOODRUFF: 73 has been offered,
- 19 any objections to its receipt?
- Hearing none it will be received.
- Q. (BY MR. MITTEN) The special rate
- 22 arrangement the West Virginia Public Service
- 23 Commission approved based rates for the Ravenswood
- 24 smelter on the LME price of aluminum, is that
- 25 right?

Page 2699

- 1 A. That's correct.
- 2 Q. And like the Ohio Commission decision
- 3 we discussed a moment ago the West Virginia
- 4 Commission required the smelter to pay a premium
- 5 above the utility's tariff rate if the LME price of
- 6 aluminum exceeded a certain level, is that correct?
- 7 A. With a cap, yes.
- 8 Q. The West Virginia Commission required
- 9 the corporate parent of the Ravenswood smelter to
- 10 provide a written guarantee that it would pay back
- 11 a portion of the subsidies provided under the
- 12 special rate arrangement in the event the smelter
- 13 went out of business or was otherwise able to pay
- 14 back those amounts, is that correct?
- 15 A. Only to the extent that the subsidies
- 16 exceeded the base amount.
- 17 Q. And the West Virginia Commission also
- 18 required Ravenswood to make commitments to invest
- 19 additional capital in the smelter, is that correct?
- 20 A. That is correct.
- 21 Q. Before we leave West Virginia the
- 22 special rate arrangement the West Virginia
- 23 Commission approved for that smelter used up to \$20
- 24 million in coal service tax revenues to fund the
- 25 rate subsidies provided to the smelter, is that

Page 2700 1 correct? 2 Α. That is correct. 3 Q. And that is an annual amount? Yes, sir. Α. 5 And those subsidies were provided by Q. 6 legislation passed by the West Virginia 7 legislature? They were not specifically for the 8 smelter but they were available to any group of 10 energy intensive customers. 11 Has Noranda gone to Missouri's Q. 12 general assembly to seek any kind of public support 13 to help the company avoid closure of the New Madrid 14 smelter? I believe Mr. Smith testified that 15 Α. they have not. 16 17 Ο. Indeed Mr. Smith indicated that Noranda made a conscientious decision not to seek 18 relief for the New Madrid smelter from Missouri's 19 20 general assembly because Noranda believes this 21 Commission is the appropriate place to seek that 22 relief. Do you recall that testimony? 23 I do believe that was the case, yes. Α. 24 Q. Did Mr. Smith or anyone from Noranda consult with you about that decision? 25

Page 2701 Α. No, sir. 1 2 So you've never had any conversation Q. 3 with Mr. Smith or anyone from Noranda about its 4 decision not to go to the Missouri general 5 assembly? 6 Α. No, sir. 7 Q. Do you agree with that decision? I have to defer to Mr. Smith's 8 Α. 9 judgment, I am not familiar with the politics in 10 Missouri. 11 Q. At pages 5 and 6 of your direct 12 testimony in this case you describe a special rate arrangement between Alcoa's Massena smelters and 13 14 the New York Power Authority sometimes referred to 15 as NYPA, N-Y-P-A, is that correct? 16 Α. Yes. 17 Ο. NYPA is not a regulatory commission similar to the Missouri Commission but instead it's 18

- 22 A. Yes, sir.
- Q. Under the agreement between NYPA and

a public power authority that sells hydroelectric

and nuclear power on a wholesale basis, is that

- 24 Alcoa the rate discount that was provided is tied
- 25 to the LME price of aluminum, is that correct?

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correct?

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Page 2702

- 1 A. It is, first of all it's not a rate
- 2 discount, it is a rate and then it is a rate that
- 3 is adjusted based on the LME.
- 4 Q. And Alcoa under that arrangement is
- 5 obligated to maintain a minimum number of jobs at
- 6 the smelter, is that correct?
- 7 A. That is correct.
- 8 Q. An Alcoa also is obligated to invest
- 9 hundreds of millions of dollars to overhaul the
- 10 Massena smelter, is that correct?
- 11 A. That was the contract, that's
- 12 correct.
- 13 Q. Now, at the time Noranda filed its
- 14 direct testimony in this case, in December 2014,
- proposing a special rate for the New Madrid smelter
- 16 both you and Noranda were aware of the conditions
- 17 imposed in Ohio, West Virginia and New York to the
- 18 special rate arrangements for aluminum smelters in
- each of those states, is that right?
- 20 A. I was aware.
- Q. Did you not talk to Noranda about
- 22 that?
- A. About what the arrangements were in
- 24 the other states? No, because we had, Noranda had
- 25 provided commitments in the earlier case 0224, and

Page 2703

- 1 the intent was to provide those same commitments
- 2 here so there was no reason to discuss it.
- 3 Q. Again my question was did you discuss
- 4 with Noranda any of the commitments or obligations
- 5 that were put on the special rate arrangements in
- 6 Ohio, West Virginia or New York?
- 7 A. I don't recall having that
- 8 discussion.
- 9 Q. But as set out in the direct
- 10 testimony that was filed for Noranda on December
- 11 19th, 2014 Noranda's special rate proposal does not
- 12 base the price of electricity provided to the New
- 13 Madrid smelter on the LME price of alumina, is that
- 14 correct?
- 15 A. Those commitments were provided in
- 16 surrebuttal.
- 17 O. The commitment in surrebuttal based
- 18 the price on the LME price of alumina?
- 19 A. No. I'm sorry, there was no LME
- 20 adjustment.
- 21 Q. Again Mr. Fayne my question is
- 22 limited to the testimony that was filed in December
- 23 **2014**.
- 24 A. I understand that.
- 25 Q. And that particular proposal does not

Page 2704

- 1 cap the amount of rate subsidies Noranda could
- 2 receive in any given year, does it?
- 3 A. No, it does not.
- 4 Q. And it also does not include any
- 5 commitment from Noranda to maintain any minimum
- 6 level of employment at the New Madrid smelter.
- 7 A. Explicitly in the testimony it does
- 8 not.
- 9 Q. And it would not obligate Noranda to
- 10 pay a premium above Ameren Missouri's tariff rate
- 11 if the LME price of aluminum exceeds a certain
- 12 level.
- 13 A. We already determined it was not
- 14 based on the LME.
- 15 Q. So the answer to my specific question
- would be no, it doesn't include that.
- 17 A. It does not include that.
- 18 Q. And it does not obligate Noranda to
- 19 make any amount of additional investment in the New
- 20 Madrid smelter, is that correct?
- 21 A. That is correct.
- 22 Q. And it doesn't obligate Noranda's
- 23 corporate parent or anyone else to pay back to
- 24 Ameren Missouri or its ratepayers any rate
- subsidies that the New Madrid smelter receives.

Page 2705

- 1 A. There's no question it's for that, no
- 2 it does not.
- 3 Q. Now, as you indicated Noranda revised
- 4 its special rate proposal in surrebuttal testimony
- 5 that was filed earlier, or excuse me, in January,
- 6 by Kip Smith, Noranda's CEO, is that correct?
- 7 A. I would not use the term revised but
- 8 the commitments were explicitly identified in that
- 9 testimony.
- 10 Q. Mr. Fayne, do you know why Mr. Smith
- 11 waited until surrebuttal when no party had an
- 12 opportunity to respond to his testimony to propose
- 13 possible employment and investment commitments?
- 14 A. As you may recall Mr. Smith was, had
- 15 had some medical issues when direct testimony was
- 16 filed and I can only assume that that was the
- 17 reason why it was not reflected initially. The
- 18 intent from the start was to show those
- 19 commitments.
- Q. Mr. Boyle is Noranda's CFO, isn't he?
- 21 A. Yes, he is.
- 22 O. Could he have included those
- 23 commitments in his testimony?
- 24 A. I have no reason why he could not
- 25 have.

Page 2706

- 1 Q. But he didn't.
- 2 A. But he did not.
- 3 Q. But even as revised by Mr. Smith's
- 4 testimony Noranda's proposal still is not tied to
- 5 the LME price of aluminum.
- 6 A. That is correct.
- 7 Q. And it still doesn't include any
- 8 written guarantee from Noranda that it will live up
- 9 to its employment or capital investment commitment.
- 10 A. I know of no contract that would
- 11 provide for that and no it does not.
- 12 Q. And it doesn't propose to convert New
- 13 Madrid from a retail electric customer to a
- 14 customer who procures its power in the wholesale
- 15 market, do you agree?
- 16 A. I can't imagine why it would but yes,
- 17 I agree with you.
- 18 Q. On page 2 of your direct testimony
- 19 you state that generally electricity accounts for
- 20 approximately one-third of the production costs of
- 21 an aluminum smelter.
- 22 A. That's correct.
- 23 Q. So that means that two-thirds of the
- 24 smelter's costs are not related to the cost of
- 25 **electricity?**

Page 2707

- 1 A. These are the costs of production and
- 2 yes, that would be correct.
- 3 Q. Would you agree that if Noranda was
- 4 able to reduce some of the two-thirds of its costs
- 5 that are not related to the price of electricity
- 6 that those reductions would have a positive effect
- 7 on Noranda's ongoing success or viability?
- 8 A. I believe they've already done that
- 9 but mechanically you are correct.
- 10 Q. Now, in its response to some data
- 11 requests that we submitted to Noranda in the 0225
- 12 complaint case Noranda identified alumina as the
- 13 second largest cost of producing aluminum at the
- 14 New Madrid smelter and during your deposition in
- 15 this case you told me you believe that's still
- 16 true, is that correct?
- 17 A. Yes.
- 18 Q. Assuming all other costs at the
- 19 smelter remain static reducing the cost of alumina
- 20 would help Noranda improve its cash position, do
- you agree?
- A. Mechanically, yes.
- 23 Q. But during your deposition you
- 24 couldn't tell me any steps Noranda has taken in the
- last 12 months to reduce its cost of alumina, isn't

Page 2708

- 1 that correct?
- 2 A. I was not privy to any of those
- 3 adjustments, that would be a question for Mr.
- 4 Boyles.
- 5 Q. And in those previous data request
- 6 responses Noranda identified labor as its third
- 7 largest cost of producing aluminum at the New
- 8 Madrid smelter and during your deposition you told
- 9 me you think that's still true, is that correct?
- 10 A. Yes.
- 11 Q. Assuming all other costs at the
- 12 smelter remain static reducing the cost of labor
- 13 would help Noranda improve its cash position, do
- 14 you agree?
- 15 A. Yes, if they were permitted to reduce
- 16 the staffing level.
- 17 Q. Well they could reduce the wages paid
- 18 to hourly employees, couldn't they?
- 19 A. I'm not sure that's even possible
- 20 given union contracts.
- 21 Q. Unions can renegotiate contracts.
- 22 A. They could and mechanically you're
- 23 absolutely correct.
- 24 Q. And they could reduce the amounts
- that are paid to management employees who aren't

Page 2709 subject to collective bargaining agreements, is 2 that correct? 3 Α. That is correct. And if they did all or both of those 4 Q. 5 things and all other costs at the smelter remained 6 static would that help improve Noranda's cash 7 position? 8 Α. As a mechanic yes, as a true viability, debatable. 10 Q. But during your deposition you 11 couldn't tell me any steps Noranda has taken in the 12 last 12 months to reduce its labor costs, is that 13 correct? 14 A. I do not know what they have done. 15 I do not have any further questions. Q. 16 Thank you Mr. Fayne. 17 JUDGE WOODRUFF: Questions from the 18 bench. Mr. Chairman? 19 20 CHAIRMAN KENNEY: Mr. Fayne nice to 21 see you again. 22 Α. Nice to see you, sir. 23 CHAIRMAN KENNEY: I don't have any

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JUDGE WOODRUFF: Mr. Kenney?

questions. Thanks.

24

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	Page 2710
1	COMMISSIONER KENNEY: I have no
2	questions. Thank you.
3	JUDGE WOODRUFF: Mr. Hall?
4	COMMISSIONER HALL: Just a few.
5	EXAMINATION
6	QUESTIONS BY COMMISSIONER HALL:
7	Q. Good afternoon Mr. Fayne.
8	A. Good afternoon.
9	Q. On page 4 of your surrebuttal on
10	lines 3 and 4 taking a part of a sentence there you
11	say that the actual performance and success of a
12	smelter depends on the price of aluminum and it's
13	overall cost.
14	A. Yes, sir.
15	Q. That's correct?
16	A. Yes.
17	Q. Now, you focus on the cost of
18	electricity because that is the most significant
19	expense that a smelter incurs.
20	A. Partly. I focus on electricity, one,
21	because it is the largest cost, yes, that's
22	correct, but I also focus on electricity because
23	that tends to be the differentiator amongst
24	smelters.
25	Q. Because the other costs are fairly

Page 2711

1			•	-	_
1	comp	ar	ab	$\perp$ e	٠.

- 2 A. They vary somewhat from smelter to
- 3 smelter but they don't have the same, they're not
- 4 as significant as impact on the differentiation.
- 5 Q. So they're rather constant smelter to
- 6 **smelter**.
- 7 A. As a group of numbers, yes.
- 8 Q. Okay. And you don't provide any
- 9 testimony as to Noranda's overall cost of
- 10 production compared to other smelters, correct?
- 11 A. That is correct.
- 12 Q. In your direct testimony you describe
- 13 efforts by state commissions in New York, Kentucky,
- 14 Ohio and West Virginia to either approve or to set
- 15 rates designed to keep a smelter viable.
- 16 A. Yes, sir.
- 17 Q. In any of those states -- strike
- 18 **that**.
- 19 Did, are you familiar with the
- 20 statutory authority that those commissions had or
- 21 did not have to either establish or approve such
- 22 rates?
- 23 A. In general, yes, and I can give you
- 24 description state by state if that would help.
- Q. Well, in any of those states did the

Page 2712 commissions lack that authority? 2 The, clearly New York is not a 3 commission --Q. Pardon me? 4 5 Α. The New York, New York Power Authority is not a commission and their, they have 6 7 the authority on their own, it is, clearly the contract there was done in conjunction with the 8 governor but there was statutory authority for them to do what they did. 10 11 Q. Okay. 12 In Ohio the commission believed and 13 it was confirmed that they had the statutory authority to do that and they basically approved 14 15 the special contracts absent any legislation, any legislation related. 16 17 Ο. Just based upon their inherent authority to establish just and reasonable rates? 18 19 Α. Correct. 20 Okay. Q. 21 Α. And there was, as a side bar there were some legislative review in Ohio about whether 22 the commission could approve special contracts and 23 24 the thrust of that review was really around the fact that many of the special contracts that were 25

Page 2713

- 1 in place were never made public so that that
- 2 legislative review really confirmed that the
- 3 commission had the authority to do it but insisted
- 4 that it all be in the public domain. In West
- 5 Virginia it was a little less clear. The
- 6 commission approved the original contract for the
- 7 Ravenswood smelter on its own authority. The staff
- 8 of the commission was the only one who objected
- 9 claiming that the commission did not have the
- 10 statutory authority so that when the Ravenswood
- 11 smelter went back for this latest order, latest
- 12 review, as a, in order to ensure that there was no
- 13 court appeal, a renewed contract, there was a
- 14 movement to get the legislature to pass legislation
- 15 at that point in time which did confirm that the
- 16 commission had the authority and established some
- 17 parameters. But the initial efforts in both West
- 18 Virginia and Ohio, well, the only effort in Ohio
- 19 basically was done at the regulatory commission
- 20 without any additional authority.
- 21 Q. So those are the four states with
- 22 which you are familiar?
- 23 A. Kentucky, the Kentucky issue was not
- 24 really a special rate, it was approving a contract
- 25 with a utility. I'm not sure if falls quite in the

Page 2714

- 1 same category. The authority for that commission
- 2 which is an interesting outcome, there is no
- 3 customer choice in Kentucky yet the commission
- 4 authorized the two smelters to go out, that there
- 5 is a work around because they technically still buy
- 6 their power through a distribution co-op so that
- 7 all that the commission did in that case was to
- 8 allow them to break the contract.
- 9 Q. So looking at Exhibit 1 for your
- 10 direct testimony, and I'm not going to reference
- 11 specific numbers so we can stay in open session,
- 12 you mention four of the states. What about the
- 13 others?
- 14 A. Well, Warwick as we discussed earlier
- is self generation so there is no regulatory
- 16 authority over the price that they pay, they just
- 17 help generate. If we look at, let's see, Mt. Holly
- 18 is served by Sante Cooper which is an electric
- 19 cooperative which is self-governing, there is no
- 20 regulatory oversight over Sante Cooper, they are
- 21 certainly composed of a board of their members and
- 22 that they determine the rate that they will charge
- 23 the smelter. They do, they are giving the smelter
- 24 special rates compared to a full tariff, obviously
- 25 it's not a very great rate but it is a discount

Page 2715

- 1 from what their full rate would be.
- 2 Q. And what is the financial status of
- 3 Mt. Holy?
- 4 A. Mt. Holly is probably precarious. I
- 5 think it's important to understand that the
- 6 difference among smelters is not only their cost of
- 7 production and whether they can generate cash from
- 8 operations it's a question of their basic liquidity
- 9 position too and how much they can sustain the Mt.
- 10 Holly smelter is probably not performing any better
- 11 than the New Madrid smelter but they are owned by
- 12 Alcoa and Century both of which have multiple
- 13 smelters so they are much larger organizations and
- 14 therefore have some more financial capability to
- 15 basically withstand those temporary downturns.
- 16 Q. So if Noranda had 2 or \$300 million
- more in the bank we might not be here today?
- 18 A. Or if Noranda was a multi smelter,
- 19 multi, you know, global owner of smelters they
- 20 would have some diversity which might help them in
- 21 that regard.
- 22 Q. Thank you.
- I think you were going down the list.
- 24 A. I'm sorry. I think the only one I
- 25 left out, well we have Ferndale and Wanachi who are

Page 2716

- 1 both served by hydro facilities out west and they
- 2 are served at, I don't know how to describe them,
- 3 they're served at tariff rates essentially or full
- 4 cost of service but they're all hydro based which
- 5 makes the costs lower.
- 6 Q. Through a comment in your testimony,
- 7 I'm not finding it right now -- oh, here. So page
- 8 3 of your direct where you say that on line 2 in
- 9 the U.S in 1980 there were 32 smelters, today there
- 10 are only eight and then in every instance the
- smelter shut down because of high power costs.
- 12 I want to give you a chance to
- 13 qualify that or that's 100 percent the reason why
- 14 every single, those 24 smelters shut down? That
- seems like a pretty strong statement.
- 16 A. Well, it's a strong statement and one
- 17 could argue it's somewhat exaggerated but basically
- in all of those cases the press reports indicated
- 19 that they were shutting down because the cost of
- 20 electricity relative to the global cost of
- 21 electricity was too high and therefore the smelter
- 22 was not profitable over the long term.
- 23 Q. So you base that assertion on press
- 24 accounts.
- 25 A. In most of those cases. I think in

Page 2717 terms of more recent ones, for example the Ormet

- 2 smelter I can tell that you is true firsthand and
- 3 in terms of the Ravenswood one I can tell you that
- 4 is true firsthand.
- 5 Q. Which one is the Ohio?
- 6 A. Hannibal. It's Ormet Aluminum
- 7 Hannibal smelter.
- 8 Q. And that's the one that shut down?
- 9 A. That shut down just in the last year.
- 10 Q. And is it, if you know, is the plant
- 11 currently mothballed?
- 12 A. The plant has been scrapped, sold for
- 13 scrap.
- 14 Q. What did they get for it?
- 15 A. I have no idea but it's purely scrap
- 16 metal. They did put it up for sale prior to
- 17 shutting it down, because of the power rate that
- 18 was available there were no buyers, they put, the
- 19 only one that bid on it was the scrap metal buyer
- 20 and it was sold and it is, I think it has been
- 21 dismantled.
- 22 O. Thanks.
- 23 COMMISSIONER HALL: No further
- 24 questions.
- JUDGE WOODRUFF: Mr. Rupp.

Page 2718 1 EXAMINATION 2 QUESTIONS BY COMMISSIONER RUPP: 3 I just have a generic question, it's about your HC direct exhibit that you had filed on 4 5 your direct testimony but I'm not going to ask you 6 any questions about numbers. But are you familiar 7 with the table that I'm referring to? Page F-1? 8 Α. 9 Q. Yes, the aluminum smelter. In the 10 far column the cost of electricity. Α. Yes. 11 12 Q. Is that factoring in all costs to the 13 smelter? 14 A. It is the cost of electricity delivered to the smelter. 15 16 Delivered. So all costs are factored Q. 17 in, all charges and everything. Α. 18 Yes. 19 Q. Thank you. 20 JUDGE WOODRUFF: Any redirect based 21 on questions from the bench? 22 We'll go back to MECG first. 23 MR. WOODSMALL: Just a couple 24 questions but I think we need to go In camera. 25 JUDGE WOODRUFF: Okay. All right.

		Page 2719
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2	(REPORTER'S NOTE: An in-camera session was held,	
3	which is contained in Volume 34, pages 2719-2721 of	
4	the transcript.)	
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Page 2722

- 1 Q. (BY MR. THOMPSON) I want to inquire
- 2 further about the arrangement paid by the New York
- 3 Power Authority.
- 4 A. Yes, sir.
- 5 Q. Now when Mr. Mitten was inquiring he
- 6 characterized that as a wholesale supplier of power
- 7 and you agreed with him. Is it in fact true that
- 8 the New York Power Authority only sells power at
- 9 wholesale?
- 10 A. No, I think I missed that wholesale
- 11 number, they do provide power directly to the
- 12 smelters.
- 13 Q. So are those sales to the smelters,
- 14 are those on retail tariffs?
- 15 A. I'm not sure what the precise
- 16 structure is of the New York Power Authority
- 17 tariffs.
- 18 **Q.** Okay.
- 19 A. So I can't answer the question.
- 20 Q. Are you aware that there's a statute
- 21 in Missouri that might allow Noranda to take power
- 22 on a wholesale basis?
- 23 A. I understand that, with the caveat
- 24 that they have a contract with Ameren, yes, I am
- 25 aware of that.

Page 2723

- 1 Q. Okay. Well let's just set that
- 2 contract aside for the moment with respect to these
- 3 questions. Is it your opinion if it exercised that
- 4 option, is it your opinion that it would have to
- 5 take power subject to FERC rates?
- 6 A. That I believe would be the case but
- 7 I am not an attorney so I certainly won't opine on
- 8 that.
- 9 Q. Okay. Thank you very much,
- MR. THOMPSON: No further questions.
- JUDGE WOODRUFF: For Ameren?
- 12 EXAMINATION
- 13 QUESTIONS BY MR. MITTEN:
- 14 Q. Mr. Fayne I'd like to follow up on
- some questions from Commissioner Hall regarding
- 16 statutory schemes in other states. specifically
- West Virginia. You still have a copy of Exhibit 73
- in front of you?
- 19 A. Yes.
- 20 Q. Could you please turn to page 16?
- 21 A. Yes, sir.
- 22 Q. The second full paragraph from the
- 23 bottom of that page states in the statute relating
- 24 to the determination of a special rate for energy
- 25 intensive industrial consumers the legislature

Page 2724

- 1 specifically approved the concept of a level and
- 2 structure of rates based not solely on cost and not
- 3 absolutely without some level of differentiation
- 4 from traditionally set rates.
- 5 Did I read that correctly?
- 6 A. You did.
- 7 Q. Do you know if the Missouri general
- 8 assembly has approached the concept that is
- 9 described in the paragraph I just read?
- 10 A. I do not know.
- 11 Q. Let's move down to the next paragraph
- 12 that describes West Virginia code section 24 dash 2
- dash 1J paren lower case a, close paren, paren 6,
- 14 close paren which says permits the imposition of a
- special rate that in the judgment of the commission
- is required for continued new or expanded operation
- of energy intensive industrial consumers and can
- 18 reasonably expected to support the long term
- 19 operation of energy intensive industrial customers.
- 20 Do you see that?
- 21 A. I do.
- 22 Q. Do you know if Missouri has a statute
- 23 like that?
- 24 A. I do not.
- 25 Q. Let's move to the next paragraph

Page 2725

- which describes West Virginia, code section 24 dash
- 2 dash 1J paren lower case C, close paren, which
- 3 according to the order authorizes the commission to
- 4 consider in addition to all factors which the
- 5 commission may consider in setting rates for
- 6 consumers of electric power a rate that may take
- 7 into consideration fluctuations in the market
- 8 prices for goods and products produced or other
- 9 variables or factors which may be relevant to or
- 10 affect the continuing vitality of the energy
- 11 intensive industrial customers.
- Do you see that?
- 13 A. I do.
- 14 Q. Do you know if Missouri has a statute
- 15 that's similar to that?
- 16 A. I do not.
- 17 Q. And let's go down to the next
- 18 paragraph which describes West Virginia code
- section 24 dash 2 dash 1 J paren lower case E,
- 20 close paren, and according to the order that price
- 21 that in order to qualify for the special rate the
- 22 energy intensive industrial customer must provide
- 23 information and data demonstrating how the special
- 24 rate advances the legislative policy goals and
- 25 findings set forth in the legislation.

Page 2726 1 Do you know if Missouri has a statute 2 similar to that? 3 Α. I do not. And finally we'll go down to the next 4 Q. 5 paragraph which describes West Virginia code section 24 dash 2 dash 1J paren lower case F, close 6 7 paren which according to the order authorizes the 8 commission to determine whether any excess revenue or revenues shortfall created by a special rate should be allocated among any other customers of 10 11 the utility and whether the determination of how 12 that revenue shortfall or excess revenue should be 13 allocated is just, reasonable and fairly balances the interests of other consumers, the utility and 14 15 the customers receiving the special rate. 16 Do you see that? 17 Α. I do. 18 Do you know if Missouri has a statute Q. 19 similar to that? 20 I do not know. Α. 21 No further questions, thank you. Q. 22 JUDGE WOODRUFF: All right. Then 23 redirect. 2.4 25

Page 2727

- 1 REDIRECT EXAMINATION
- 2 QUESTIONS BY MS. ILES:
- 3 Q. Mr. Fayne counsel for Ameren asked
- 4 you some questions about special rate relief that
- 5 was offered to various other smelters around the
- 6 country and I wanted to follow up on some of those
- 7 questions.
- 8 First he asked you about the Kentucky
- 9 case that involves Sebree in Hawesville that
- 10 involved the, a contract that the smelters were
- 11 authorized to break, do you remember those
- 12 questions?
- 13 A. I do.
- 14 Q. And I think you started to tell us
- something about your testimony in that case and he
- 16 cut you off. I just want to give you the
- opportunity to explain what your role in that case
- 18 was.
- 19 A. I had no role in the case that
- 20 allowed the smelters to break the contract, I was
- 21 not involved at all. I was involved several years
- 22 prior in the case that established the contract to
- 23 begin with.
- Q. Okay. And does that have any
- 25 relevance to the situation with Noranda in this

Page 2728

- 1 case?
- 2 A. I'm not sure what many of these, what
- 3 relevance they have.
- 4 Q. All right. Then you, he asked about
- 5 a special rate that was set for Ormet?
- 6 A. Yes.
- 7 Q. And this is the smelter that
- 8 Commissioner Hall asked you some questions you
- 9 explained has been sold for scrap.
- 10 A. That's right.
- 11 Q. So what happened? They got a special
- 12 rate and Mr. Mitten went through the conditions on
- 13 that special rate but apparently that did not
- 14 provide sufficient relief to keep the smelter in
- 15 business?
- 16 A. They had a special rate, they had
- 17 some equity support, the special rate had a
- 18 declining discount over time. As it approached
- 19 toward the end of the contract it was an
- 20 insufficient discount, the company asked for an
- 21 acceleration of the remainder of the discount as
- 22 well as for an incremental discount for one year at
- 23 which time they had intended to self generate the
- 24 commission concluded that they did not want to give
- 25 the additional amount. The one potential buyer of

Page 2729

- 1 the plant, of the smelter basically determined that
- 2 with that power rate there was no way to keep it
- 3 viable more than 12 months and therefore chose not
- 4 to exercise its option.
- 5 Q. Did the conditions that Mr. Mitten
- 6 went through that were placed on their special
- 7 rate, did they come into play at all?
- 8 A. Never.
- 9 Q. Okay. And then you also mentioned
- 10 Ravenswood which received a special rate and also
- 11 went out of business.
- 12 A. Ravenswood had a special rate back in
- 13 2006 and this was prior to any legislation in West
- 14 Virginia, it lasted for about four years and it was
- 15 based on an LME index. The design was such that it
- 16 didn't provide sufficient flexibility to get
- 17 through the peaks and troughs of the LME cycle and
- 18 as a result when the LME fell dramatically the
- 19 company became cash poor, it's liquidity went down
- 20 to zero and it was forced to shut down. It has
- 21 been shut down since 2009, the special rate that we
- 22 were talking about in 2013 was their request for a
- 23 special rate intended to restart the smelter, the
- 24 company concluded that the rate relief provided in
- 25 that case was insufficient to support a restart.

Page 2730

- 1 Q. Okay. Mr. Mitten and Mr. Thompson
- 2 both asked you about a wholesale contract for
- 3 Noranda, do you remember those questions?
- 4 A. I do.
- 5 Q. Do you know whether Noranda has
- 6 considered a possible wholesale contract with
- 7 Ameren?
- 8 A. My understanding is there were
- 9 discussions regarding a potential for transforming
- 10 the current relationship to a wholesale one versus
- 11 a retail one.
- 12 Q. Do you know why Noranda has not
- 13 agreed to this wholesale option?
- 14 A. I was not directly involved in the
- 15 latter part of those negotiations but I understand
- 16 that the, it was unclear who would bear the risk if
- 17 the rate was not supported.
- 18 Q. It was unclear who would bear the
- 19 risk?
- 20 A. My understanding is that it was a
- 21 risk that was intended to be imposed on Noranda but
- 22 it was never settled where that risk would reside.
- Q. Okay. Do you know whether or not
- 24 part of the risk had to do with whether or not the
- 25 contract would be upheld as legal?

Page 2731 I'm not sure whether that was an 1 Α. 2 issue or not. 3 MS. ILES: No further questions. JUDGE WOODRUFF: Okay. Then you can 4 5 step down. Thank you, sir. And we'll take a break before the 6 7 next witness which I believe will be Mr. Brubaker. (RECESS TAKEN BY PARTIES) 8 JUDGE WOODRUFF: All right, let's go 9 back on the record. We're back from our break and 10 Mr. Brubaker has taken the stand. 11 12 Did you testify earlier? I did, yes, sir. 13 Α. 14 JUDGE WOODRUFF: You are still under 15 oath then. 16 Α. I am. 17 MR. DOWNEY: Judge, did I not get a ruling yet on introducing Exhibits 503, 504 or 505, 18 Mr. Brubaker's direct, rebuttal and surrebuttal but 19 he has a modification to one of the schedules in 20 21 his testimony based on the stipulation that the nonunanimous stipulation that was filed and what I 22 did was I provided that schedule to all counsel and 23 to the commissioners and I had it marked as Exhibit 24 534 in anticipation that there would be questions 25

Page 2732

- 1 about how a \$34 rate would impact other classes.
- 2 So I thought I'd bring that to your attention now.
- JUDGE WOODRUFF: Okay. What you gave
- 4 me is 534 has multiple pages with Schedules 6, 7, 8
- 5 and 9, is that correct?
- MR. DOWNEY: I believe that is
- 7 correct.
- 8 JUDGE WOODRUFF: Okay. Are you going
- 9 to just go ahead and offer this?
- 10 MR. DOWNEY: I'll offer them all now,
- 11 I know there'll be an objection to Exhibit 534.
- JUDGE WOODRUFF: All right.
- 13 All right. Brubaker's direct 503,
- 14 rebuttal 504 and 505 have been offered, any
- objections to those documents? I'll deal with the
- 16 other one later.
- 17 Okay, 503, 504 and 505 are admitted,
- 18 534 also has been offered, any objection to its
- 19 receipt?
- 20 MR. LOWERY: Your Honor I do object.
- 21 As I understand it this is a recalculation of an
- 22 exhibit to one of Mr. Brubaker's testimonies,
- 23 represented to be based upon the rate reflected in
- 24 the nonunanimous stipulation, again that
- 25 nonunanimous stipulation is nothing really more

Page 2733 than a brief at this point and I don't think that 2 it's appropriate that witnesses can take the 3 witness stand, put a bunch of new numbers in the record just because they are advocating a different 4 5 result. 6 JUDGE WOODRUFF: Anyone else wish to 7 respond? 8 MR. DOWNEY: I can respond to the objection. 9 10 JUDGE WOODRUFF: Go ahead Mr. Downey. MR. DOWNEY: I can withhold offering 11 12 that until I see if there are any questions about the \$34 rate and if there are then I can introduce 13 14 it at that time. 15 JUDGE WOODRUFF: All right. We'll defer ruling on that until we go through the cross 16 17 examination questions and questions from the bench. 18 Okay. 19 So are you offering for cross at this point? 20 MR. DOWNEY: I am. 21 22 JUDGE WOODRUFF: All right. Public 23 Counsel? 24 MR. ALLISON: No cross, thank you. 25 JUDGE WOODRUFF: MECG?

	Page 2734
1	MR. WOODSMALL: Thank you, Your
2	Honor.
3	CROSS EXAMINATION
4	QUESTIONS BY MR. WOODSMALL:
5	Q. Yes, a couple questions.
6	Were you involved in Ameren's last
7	case, case number ER-2012-0166?
8	A. Yes.
9	Q. And do you recall in the context of
10	that case the parties signed and filed a
11	stipulation regarding how to handle revenue
12	allocation?
13	A. I believe that's correct. I don't
14	know if it was unanimous or not but something was
15	filed.
16	Q. Okay. Do you recall under that
17	and do you know under that stipulation did MIEC and
18	Noranda sign that stipulation?
19	A. Yes. They did.
20	Q. Do you recall under that stipulation
21	whether MIEC and Noranda agreed to an equal percent
22	across the board of the rate increase?
23	A. That's my recollection.
24	Q. Okay.
25	A. For that part of the rate increase

Page 2735

- 1 other than what was dealing with the MEEIA charges
- 2 which were handled separately.
- 3 Q. Okay. And do you recall in the last
- 4 case that Noranda, or Ameren received a 10.1
- 5 percent rate increase?
- A. I don't recall the total number, it
- 7 sounds about right.
- 8 Q. And if you need to see the report and
- 9 order I can provide it to you.
- 10 Would you accept that the report and
- order in that case was issued on December 12th,
- 12 **2012?**
- 13 A. Yes.
- 14 Q. Turning to your direct testimony,
- your schedules MEB-COS 6 through 9.
- 16 A. Okay.
- 17 Q. First off would you agree that these
- 18 numbers that you calculated were based upon revenue
- 19 neutral, they're based upon current rates, is that
- 20 correct?
- 21 A. Yes.
- 22 Q. Okay. And you do not consider the
- 23 impact of any revenue requirement increase
- 24 authorized by this Commission in this case, is that
- 25 correct?

Page 2736

- 1 A. These schedules do not.
- Q. Okay. Turn to MEB-COS dash 9. Let
- 3 me know when you're there.
- 4 A. Okay.
- 5 Q. As I read this the impact of
- 6 Noranda's rate proposal, and that's the 32.50 rate
- 7 and elimination of the FAC would be an impact on my
- 8 clients, the large primary service, of 1.81
- 9 percent, is that correct?
- 10 A. Based on a \$23.50 rate and for those
- 11 of your clients here in the LPS class the average
- 12 would be 1.81 percent.
- 13 Q. Okay. And turning to the schedule
- 14 before that, MEB-COS dash 8. Let me know when
- you're there.
- 16 A. I'm there.
- 17 Q. This is the calculation of the impact
- 18 if the smelter shut down, is that correct?
- 19 A. Correct.
- 20 Q. And under this calculation the 48
- 21 month average the impact to all customers would be
- 22 1.64 percent, is that correct?
- 23 A. Yes. It is.
- 24 Q. Okay. So at least under your
- 25 proposal for the large primary service customers

Page 2737

- 1 they would be better off with Noranda closing down
- 2 by point 17 percent, is that correct?
- 3 A. If you believe the 48 month average
- 4 which we do not and which Mr. Dauphinais can
- 5 address. We believe the relevant calculations are
- 6 the first two columns, the 36 month average
- 7 consistent with how the, everybody in the case that
- 8 did fuel runs had looked at the fuel issue so it
- 9 was 2.01 to 2.22 percent.
- 10 Q. But if the Commission accepts I
- 11 believe it's Staff's methodology, the 48 month
- 12 average, the large primary customers would be
- 13 better off with Noranda shutting down than
- 14 accepting Noranda's proposal in this case, is that
- 15 correct?
- 16 A. It would be on the edge.
- 17 Q. It's a yes or no question. They
- 18 would be point 17 percent better off with Noranda
- 19 shutting down?
- 20 A. Yeah, if you look at the absolute
- 21 value of the numbers and don't consider the
- 22 competency or the relevance of the underlying
- 23 number in that file.
- Q. I may have to get you a heavier coat.
- 25 A. That's okay, I'm doing all right.

Page 2738

- 1 Q. The customers, the large primary
- 2 customers would be point 17 percent better off with
- 3 Noranda shutting down than the Noranda proposal in
- 4 this case, is that correct, yes or no?
- 5 MR. ALLISON: Can I just lodge a
- 6 clarifying objection?
- 7 This was the proposal that was
- 8 originally filed as opposed to the stipulated
- 9 proposal, is it not? What are we talking when
- 10 we're talking about proposal, I'm sorry?
- MR. WOODSMALL: The Noranda proposal
- 12 in this case.
- MR. ALLISON: So the 32.50 rate which
- 14 is not their position now.
- MR. WOODSMALL: The 32.50 is all that
- 16 is in evidence now, correct.
- 17 MR. ALLISON: Okay. I just want to
- 18 make clear what position Noranda has taken and
- 19 when.
- Q. (BY MR. WOODSMALL) So under the
- 32.50 proposal large primary customers would be
- 22 better off with Noranda shutting down, yes or no?
- 23 A. Only under one of the three
- 24 calculations presented.
- 25 Q. Yes or no, under the 48 month

Page 2739 1 average. 2 Α. Under the 48 month average which is 3 one of the three the answer is yes. 4 Q. Okay. And would you agree that under 5 the Noranda proposal as presented in your direct 6 testimony this would exclude any FAC, foot FAC 7 adjustments, is that correct? 8 When you say this what do you mean? 9 Q. The Noranda proposal is to exclude future FAC adjustments, is that correct? 10 11 Α. Future adjustments, yes. The impact 12 of the current FAC is reflected in MEB-COS 9 at its current level of \$4.40 for megawatt hours. 13 14 Q. The Noranda proposal is to exempt 15 themselves from the application of the FSC, is that 16 correct? 17 Yes. For the future. 18 And so the differential of point 1, Q. 19 if the FAC has a positive adjustment the 20 differential would be greater than point 17, is 21 that correct? Already that would not be true 22 because the fuel adjustment has already decreased 23 from 4.4 roughly to 3.96 so that already would not 24 25 be true.

Page 2740

- 1 Q. Okay. The Noranda proposal in this
- 2 case is to have a limited future escalator, is that
- 3 correct?
- 4 A. The file proposal in my testimony,
- 5 yes.
- 6 Q. And can you tell me what that is,
- 7 what that escalator is?
- 8 A. Sure. One percent annually on the
- 9 dollar, on the 12 month anniversary of the
- 10 effective date of the rates from this case.
- 11 Q. So the differential between large
- 12 primary customers, the impact to large primary
- 13 customers associated with the Noranda proposal and
- 14 then shutting down will grow as a result of that
- 15 limited escalator, is that correct?
- 16 A. I need to hear that again. Not sure
- 17 I understand what the premise is.
- 18 Q. The current differential as we
- 19 discussed using the 48 month average, and all my
- questions are about the 48 month average, the
- 21 current differential is point 17 percent, is that
- 22 correct?
- 23 A. Under those assumptions, yes.
- Q. Okay. And will that differential
- 25 grow because of the limited escalator that you have

		Page 2741
1	proposed in your testimony?	
2	A. It will depend on what happens with	
3	the net actual voided energy costs but likely it	
4	will.	
5	Q. Okay.	
6	MR. WOODSMALL: I have no further	
7	questions. Thank you.	
8	JUDGE WOODRUFF: Staff?	
9	MR. THOMPSON: Thank you, Judge.	
10	CROSS EXAMINATION	
11	QUESTIONS BY MR. THOMPSON:	
12	Q. Do you have Exhibit 534 in front of	
13	you?	
14	A. Yes, sir, I do.	
15	Q. Can you tell me what that is?	
16	A. I can. This is, I would call it	
17	supplemental information based on the \$34 rate	
18	contained in the nonunanimous stipulation and	
19	agreement.	
20	Q. Did you calculate this?	
21	A. I did.	
22	Q. And you prepared this document?	
23	A. I did.	
24	Q. Now, I think you said in your answer	
25	that there was a \$34 rate that had been proposed?	

			Page 2742
1	Α.	That's correct.	
2	Q.	And how was that proposed?	
3	Α.	In the nonunanimous stipulation and	
4	agreement.		
5	Q.	Now you understand there's been an	
6	objection to that.		
7	Α.	I do.	
8	Q.	Okay.	
9		Mr. Brubaker, were you in the room	
10	when I was in	nquiring of Mr. Fayne?	
11	Α.	I was.	
12	Q.	So would you agree that there is a	
13	point that yo	ou could calculate today, there is a	
14	rate at which	n Noranda's ratepayers, or excuse me,	
15	Ameren Misson	uri's ratepayers other than Noranda	
16	would be bet	ter off with Noranda on the system than	
17	off the syste	em?	
18	Α.	I would.	
19	Q.	A rate below cost.	
20	Α.	A rate below any embedded allocated	
21	cost.		
22	Q.	Costs of service.	
23	Α.	Any allocated embedded costs.	
24	Q.	Correct. And do you have an opinion	
25	as to what th	nat number is for today?	

		Page 2743
1	A. I haven't looked for what it is	
2	today.	
3	Q. Okay. Do you have an opinion as to	
4	what that number would be for any particular day?	
5	A. I haven't looked.	
6	Q. Okay.	
7	A. I do not.	
8	Q. But you are confident you could	
9	calculate it?	
10	A. One could make a determination based	
11	on available market data.	
12	Q. And how much confidence would you	
13	have in that calculation?	
14	A. Not as much as knowing what it was	
15	last week or the week before.	
16	Q. Okay. Now I'm just talking a	
17	particular day.	
18	Now, if you calculated that rate for	
19	today could you calculate it for a week?	
20	A. I believe the market information is	
21	available to do so.	
22	Q. How about a month?	
23	A. I think so, yes.	
24	Q. A quarter?	
25	A. Yes.	

Page 2744 1 0. A year? 2 A. Yes. 3 Q. How about an 18 month period such as the average interval between Ameren Missouri rate 4 5 cases? 6 A. I think a determination, a reasonable 7 estimate could be made based upon current information. 8 Q. Thank you. 10 I have no further questions. 11 JUDGE WOODRUFF: All right. For 12 Ameren. 13 CROSS EXAMINATION 14 OUESTIONS BY MR. LOWERY: 15 Following up on Mr. Thompson's Q. questions. You calculated for example a forecast 16 17 of what the voided cost would be with Noranda on the system versus off the system on an 18 month 18 19 basis that would be a forecast, right? 20 It would be, it could either be a 21 fundamental forecast or it could be based on market 22 indexes. 23 Q. But in any event it's a prediction of the future. 24 25 It's looking forward, you could lock Α.

Page 2745

- 1 in a price, that's my point.
- 2 Q. I didn't ask whether you could
- 3 contract and lock in a price. Let's imagine we're
- 4 not contracting, we're not locking in a price,
- 5 we're not hedging anything, okay?
- 6 A. Okay.
- 7 Q. All we're doing is we're trying to
- 8 say I'm trying to predict over the next 18 months
- 9 whether or not Ameren Missouri's customers will be
- 10 better off with Noranda on the system or off the
- 11 system. Do you understand that assumption?
- 12 A. I do.
- 13 Q. And if you were doing that you would
- 14 be making an estimate or a forecast of whether or
- 15 not that would be true because you wouldn't know
- whether it will be true or not, would you?
- 17 A. Right. We don't know for sure about
- 18 the future.
- 19 Q. It's a lot like what Mr. Pratt said
- when he said driving with a blind spot and only
- 21 with a rear-view mirror, right, you cannot see
- 22 forward, can you?
- 23 A. Can not be absolutely certain.
- Q. And if you prepared such a forecast
- and you were to say, let's imagine the number was

Page 2746

- 1 35 and Noranda would be contributing \$40 if they
- were paying retail rates on the system, just as a
- 3 hypothetical, okay, you understand that? You
- 4 understand those assumptions?
- 5 A. I think so, yes.
- 6 Q. And so your forecast was going to be
- 7 35 but if it turned out that the actual turned out
- 8 to be 41 or 42 then the forecast that said the
- 9 customer would be better off with Noranda on the
- 10 system actually would turn out to be incorrect,
- 11 isn't that right?
- 12 A. For that period of time, yes.
- 13 Q. And isn't it true the farther out you
- 14 go the less reliable such a forecast would become,
- 15 isn't that true?
- 16 A. That is correct.
- 17 Q. There isn't really a whole lot of
- 18 viability in the markets beyond what, two years,
- 19 three years at best?
- 20 A. Two or three years, yes.
- 21 Q. The calculations that are reflected
- in Exhibit 534, and I'm not asking you to identify
- 23 them, but I'm asking you simply when did you
- 24 perform these calculations?
- 25 A. I prepared these at the request of

Page 2747 counsel last week. Q. Last week. So you've had these 3 figures for a week or more, is that right? 4 Α. I had them, there was no stipulation 5 until a couple days ago but I had them last week. 6 Q. Okay. 7 MR. LOWERY: I don't have any further 8 questions. JUDGE WOODRUFF: Come up for 9 questions from the bench. 10 11 Mr. Chairman? EXAMINATION 12 QUESTIONS BY CHAIRMAN KENNEY: 13 14 Q. Mr. Brubaker, good afternoon. A. Good afternoon. 15 16 Q. Have you offered an opinion on the 17 Ameren proposal to move Noranda to a wholesale 18 rate? 19 A. I have not presented any testimony on that question. 20 21 Do you have an opinion? Q. 22 I had conversations with Noranda as 23 they were having the negotiations with Ameren, I have to be very careful, it's all under 24 confidentiality agreements. I think I can say it 25

Page 2748

- 1 was my view that there were substantial potential
- 2 risks of going to that kind of a structure.
- 3 Q. And what was the risk?
- 4 A. The risk that I saw, the main risk
- 5 was in the first place being able to get that
- 6 structure approved. That was a risk. Were it to
- 7 be approved then I felt that there were the
- 8 potential for a court appeal that would invalidate
- 9 that rate and perhaps, perhaps create a retroactive
- 10 increased requirement under what I understand to be
- 11 the current statutes, my non-legal understanding of
- 12 that, or if it were approved and there was a
- 13 subsequent fuel adjustment proceeding that raised
- 14 the question of prudency of flowing the costs
- 15 associated with serving the wholesale customer of
- 16 this magnitude through the FAC I thought there was
- 17 a potential for a disallowance and perhaps a
- 18 retractive refund. Those were the risks that we
- 19 outlined to Noranda. Now what other risks they may
- 20 have taken into account or how they may have
- 21 appraised that in their interface with Ameren I do
- 22 not know, I was not present for those discussions.
- 23 **Q.** Okay.
- 24 That's all I have thank you. Thanks
- 25 for your time.

Page 2749 1 COMMISSIONER KENNEY: No questions. 2 Thank you. 3 JUDGE WOODRUFF: Mr. Hall? EXAMINATION 4 5 QUESTIONS BY COMMISSIONER HALL: 6 Ο. Good afternoon Mr. Brubaker. 7 Α. Good afternoon. 8 Q. Let me start with probably a pretty easy question and maybe one that -- well. Why does Noranda recommend the creation of a new rate class, 10 11 the SAS rate class? Why not just change the rate 12 design on the existing LTS? 13 Α. Certainly you could do that. basis for the recommendation was to have a place to 14 15 go back to at the end of the contract period. 16 Q. Okay. Exhibit 534, you show, this 17 is, contains your computations, correct? Yes, sir. 18 Α. 19 Q. This shows the amount of adjustment 20 at the \$34 rate as being 16.584 million, is that 21 correct? 22 Α. That is correct, yes. 23 Okay. So if you combined that with Q. 24 the elimination of the FAC what we are essentially 25 talking about is a 35.1 million subsidy, is that

Page 2750 1 correct?

- Α. The difference is 33.2 million on
- 3 page 1 of schedule 9.
- 4 Pardon me? Q.
- 5 Α. Page 1 of schedule 9 it's \$33.2
- 6 million, or 1.2 percent overall.
- 7 Well the, in your direct testimony
- 8 you said that the elimination of the FAC would be
- 18.5 million.
- 10 Α. And that was correct at that time.
- The fuel adjustment has subsequently decreased so 11
- 12 just to set the predicate there are two differences
- in 534 from the filed testimony, one is the level 13
- of the rate, the \$34 dollars versus 32.50 and the
- other is to reflect the decrease in the FAC from 15
- what it was at the time the testimony was filed to 16
- 17 today.
- 18 So the total subsidy you said would Q.
- be 33.2 as shown on, I guess this is page 9? 19
- 20 Page 2 of schedule MEB dash COS dash Α.
- 21 Actually page 1. Pardon me.
- 22 Q. Page 1. 33.2.
- 33.2. That's the deviation below the 23 Α.
- 24 fully allocated embedded cost of service.
- 25 Okay. On page 43 of your direct Q.

Page 2751

- 1 testimony you discuss the justification for a load
- 2 retention rate and you say on line 6 the basis for
- 3 such a rate is typically a price at or above
- 4 incremental costs. What is the incremental cost?
- 5 A. In this context the costs that we
- 6 have evaluated are test year costs and my colleague
- 7 Mr. Dauphinais who appears next can give you all
- 8 the details for how he got those numbers but we
- 9 believe they range from \$28.03 a megawatt hour to
- 10 \$29.39 a megawatt hour.
- 11 Q. All right.
- 12 A. It's really the change in what
- 13 happens at the margin if the load were not served.
- 14 It's a combination of what the power would fetch in
- 15 the open marked were it sold on the open market
- 16 rather than to Noranda plus any savings in the
- 17 transmission and other charges that would be
- 18 avoided.
- 19 Q. Later on that same page you calculate
- 20 at lines 12 and 13 you calculate the net revenue
- loss if the smelter were not served to be
- 22 approximately 54 to 60 million per year. That
- 23 would be a reduction in revenues to Ameren.
- A. You could look at it that way. It's
- 25 the, reflects the loss of what they would get --

Page 2752

- Q. The reduction in some of their costs,
- 2 there's a greater reduction in their revenues, the
- 3 difference is between 54 and 60 million.
- 4 A. That's right, yes.
- 5 Q. Okay. What are you assuming would
- 6 happen in that calculation to the electricity that
- 7 Ameren was selling Noranda?
- 8 A. The assumption is that it would be
- 9 sold in the MSO market.
- 10 Q. And what would happen to the revenues
- 11 from those sales in this calculation?
- 12 A. They would flow ultimately through
- 13 the fuel adjustment clause.
- 14 Q. Back to customers.
- 15 A. Back to customers, right.
- 16 Q. So when you are determining what the
- percentage increase to customers 2.1 to 2.22 you
- 18 are assuming that 95 percent of all those, of those
- 19 offsets in sales are going back to customers and
- they're still getting a two percent rate increase?
- 21 A. That's correct.
- 22 Q. Your, what is your understanding of
- 23 the N factor and whether or not those off system
- 24 sales proceeds would in fact go back to Ameren
- 25 customers? Under the current FAC.

Page 2753

- 1 A. I'm trying to remember how that is
- 2 worded. I think, I guess it depends on when it
- 3 happens, whether it happens, it's accounted for in
- 4 a rate case or whether it happens in between rate
- 5 cases.
- 6 Q. Exactly. Explain both to me.
- 7 A. Okay. If it happens in a rate case
- 8 you approve a new rate and then I think what you
- 9 see on schedule a COS 8 is what you would get.
- 10 Q. If it happened prior to a rate case.
- 11 A. Then I think Ameren would be
- 12 permitted to retain part of the lost revenues under
- 13 the N factor provision of the FAC.
- 14 Q. So the impact on customers would be
- 15 higher than this.
- 16 A. It would be, yes.
- 17 Q. Any idea how much, ball park?
- 18 A. No.
- 19 Q. On page 35 of your direct you give a
- 20 full throated argument in support of cost of
- 21 service rate making. I was wondering if you could
- 22 explain why you believe the cost of service rate
- 23 making is the, is the appropriate way to set rates.
- Q. Yeah, that's always been pretty much
- 25 my outcome and my philosophy and my testimony, I

Page 2754

- 1 think it sums up as equity, conservation and
- engineering efficiency are the primary bases,
- 3 primary reasons for going to cost of service under
- 4 normal circumstances.
- 5 Q. Under normal circumstances.
- 6 A. Right.
- 7 Q. Have you performed a calculation on
- 8 the cost of, on the cost to serve Noranda or is
- 9 that a different witness?
- 10 A. No, that would be me.
- 11 Q. Okay. Where is that calculation in
- 12 here?
- 13 A. I think it's in the data response.
- Q. So it's not in your testimony?
- 15 A. No, we see the rate of return in the
- 16 testimony as to the, well I did the rate of return
- 17 at present rates. The calculation that I did make
- 18 said that Noranda was about four percent below full
- 19 embedded cost to service currently.
- Q. And so do you know what that rate is,
- 21 four percent below the current rate, do you know
- 22 what that is?
- 23 A. Current rate is about --
- 24 **Q.** 37?
- 25 A. 37.95, say \$38, so four percent of 38

Page 2755 is what, \$1.60. 2 Q. All right. 3 COMMISSIONER HALL: No further 4 questions. Thank you. 5 JUDGE WOODRUFF: Mr. Rupp? 6 EXAMINATION 7 QUESTIONS BY MR. RUPP: Good afternoon. 8 Q. Good afternoon. Α. 10 Following up on a question that the Q. 11 Chairman had about the risks that you identified 12 with going to the wholesale market, the risks of being a court challenge, you know, to the contract 13 14 and everything, if the general assembly were to 15 pass some type of legislation that would 16 specifically allow the Commission and parties to 17 enter into those types of contracts would that mitigate that risk of a court challenge? 18 19 I presume that it would. Α. 20 Was there any considerations to your Q. 21 knowledge between the parties of Ameren and Noranda 22 on this issue of if they came to an agreement on a 23 contract and dollar amount of presenting a unified 24 front to the legislature and asking for some type 25 of legislation that would provide them more comfort

Page 2756 with mitigating that risk? 2 Α. I don't know. 3 Q. Thank you. JUDGE WOODRUFF: All right. Any 4 recross based on questions from the bench? 5 6 Begin with Public Counsel. 7 RECROSS EXAMINATION QUESTIONS BY MR. ALLISON: 8 Mr. Brubaker, how are you? Q. 10 Good, thanks. Α. 11 Commission Hall asked you some Q. 12 questions about Exhibit 534. I'm wondering on 13 page, well it's I guess schedule 9, page 1, I just 14 want to make sure I'm reading this correctly and if you can confirm this for me. So the total overall, 15 16 or average, I guess I should say the total average 17 impact 1.32 percent, is that correct? Correct. 18 Α. 19 Okay. And just going through this Q. 20 classified class if you can confirm for me based 21 upon your calculations the residential class impact 22 would be 1.15 percent, is that correct? 23 That's correct. Α. 24 Q. And then the small general service 25 impact goes up to 1.18 percent, is that correct?

Page 2757 1 Α. That is correct. 2 Large general service impact then Q. 3 goes up to 1.29 percent, is that correct? 4 Α. Yes. 5 Q. And that's an increase of 11/10ths of 6 one percent, is that not right? 7 Α. I'm sorry? 8 Q. 11/100ths of one percent I guess, not 1/10ths, that's ridiculous. 11 points, it goes up 11 points between 1.18 and 1.29, correct? 10 11 11/10ths of one percent. Α. 12 Q. Thank you. 13 Small primary service 1.39 percent. 14 Α. 1.38 percent. 15 Or 38 percent, I'm sorry. Q. 16 Α. Yes. 17 Ο. And that would be an increase over large general service, is that correct? 18 19 Α. It would. 20 And then large primary service is 1.5 Q. 21 percent, is that correct? 22 That's correct. Α. 23 And help me understand the classes Q. 24 for a second. The large primary service class is 25 generally composed of what type of customer?

Page 2758

- 1 A. Medium to large manufacturing with
- 2 demands in excess of 5,000 kilowatts of load.
- 3 Q. Okay. And then the lighting class is
- 4 point 92 percent?
- 5 A. That's right.
- 6 Q. And then there's a de minimis impact,
- 7 what I would characterize as a de minimis impact on
- 8 the Metropolitan Sewer District, is that correct?
- 9 A. That's correct.
- 10 Q. Let me just take one second and look
- 11 here.
- 12 The FAC, again your original direct
- 13 testimony had calculated the FAC impact of
- 14 Noranda's request at being as I recall somewhere
- around 18 million, is that correct?
- 16 A. That's right. 18, almost 18.5
- 17 million.
- 18 Q. 18.5 million. And because of a
- 19 normal, I won't say normal but a periodic
- 20 adjustment in the FAC the impact is now reduced to
- 21 16.6 million, is that right?
- 22 A. That's right.
- 23 **Q.** Okay.
- MR. ALLISON: I don't have any
- 25 further questions. Thank you.

		Page 2759
1	JUDGE WOODRUFF: MECG?	
2	MR. WOODSMALL: Yes Your Honor.	
3	RECROSS EXAMINATION	
4	QUESTIONS BY MR. WOODSMALL:	
5	Q. Since it sounds like Exhibit 54 is	
6	going to be put into evidence I will ask some	
7	questions about that. And I'll try to be brief.	
8	Looking at page 1 of your COS 9 of	
9	Exhibit 534, do you have that?	
10	A. Yes, I do.	
11	Q. And column H you identify, you	
12	quantify the total subsidy is 33.21 million, is	
13	that correct?	
14	MR. DOWNEY: Where are you David?	
15	MR. WOODSMALL: Page 1 of MEB-COS	
16	dash 9, column 6.	
17	MR. DOWNEY: I thought you said	
18	column 8.	
19	MR. WOODSMALL: I'm sorry.	
20	Q. (BY MR. WOODSMALL) Column 6 the	
21	total subsidy is 33.21 million, is that correct?	
22	A. Right. Current difference from	
23	current rates.	
24	Q. Okay. And just to clarify you said	
25	previously in response to a question from	

Page 2760

- 1 Commissioner Hall that that was quote, the
- 2 deviation below any allocated embedded cost of
- 3 service. That's not correct, is it?
- 4 A. I can't, any embedded cost of service
- 5 would be about four percent higher.
- Q. Okay.
- 7 A. On the base rate revenue column.
- 8 Thank you.
- 9 O. So this is \$33 million below that
- 10 four percent, is that correct?
- 11 A. That's correct.
- 12 Q. Okay. Now that 33 million is the
- 13 impact of the nonunanimous stipulation, is that
- 14 correct?
- 15 A. That's right. It would be about 34
- 16 million with the four percent adjustment, but yes,
- 17 that's right.
- 18 Q. Okay. Now, going to the page before
- 19 that, MEB-COS dash 8, again looking at column 3,
- 20 the 48 month average that staff proposed, you would
- 21 agree that the impact on customers if Noranda
- 22 closed is 42.698 million, is that correct?
- 23 A. If that's the number I would disagree
- 24 with your characterization of that number being
- 25 what staff proposed in this case. That's the

Page 2761

- 1 number that staff proposed in a prior case and I
- 2 believe staff has a different number in this case.
- 3 **Q.** Okay.
- 4 A. Although like other parties all of
- 5 it's put in several different numbers.
- 6 Q. Okay. Would you agree subject to
- 7 check that the difference between that 42.698 and
- 8 33.21 million is \$9.5 millions?
- 9 A. Sounds about right.
- 10 Q. Okay. Now, again that is without any
- 11 consideration of a revenue requirement increase in
- 12 this case, is that correct?
- 13 A. It is.
- 14 Q. Okay. Can you tell me if a revenue,
- 15 if the revenue requirement is increased in this
- 16 case and applied equal percentage across the board
- 17 what percent would Noranda get? I believe it's
- 18 five and a half percent, is that correct?
- 19 A. You're talking Noranda's base rate
- 20 revenue in percentage of the total.
- Q. Right.
- 22 A. That's about right.
- Q. Five and a half percent. So, and I
- 24 believe that according to the fuel stipulation that
- 25 was filed earlier that calls for an increase in

Page 2762

- fuel costs of 103 million, is that correct?
- 2 A. Sounds about right.
- 3 Q. Okay. 103 million and that doesn't
- 4 count any other increase they may get in base
- 5 rates, is that correct?
- 6 A. Or decreases, some parties I believe
- 7 are suggesting that the overall increase should be
- 8 less than the amount that's attributable to fuel.
- 9 Q. Okay. Just for purposes of my
- 10 calculation assuming Ameren was to receive \$150
- 11 million rate increase.
- 12 A. You're generous.
- 13 Q. I hope you're right, yes. But it
- 14 makes for a nice round number. And you gave five
- 15 and a half percent is what you said earlier would
- be Noranda's share, would you accept that is
- 17 \$8.25 million?
- 18 A. Yes.
- 19 Q. Okay. So you said earlier that the
- difference between the 42.7 million and 33 million
- 21 is \$9 million, is that correct?
- 22 A. It is.
- Q. Okay. So that \$9 million
- 24 differential will be reduced if not eliminated as a
- 25 result of the revenue requirement increase

Page 2763

- authorized in this case, is that correct?
- 2 A. If you focus your numbers on the 48
- 3 month average which I've suggested is not the right
- 4 number that would be true.
- 5 **Q.** Okay.
- 6 No further questions, thank you.
- JUDGE WOODRUFF: Staff?
- 8 MR. THOMPSON: Thank you Judge.
- 9 CROSS EXAMINATIONQUESTIONS BY MR. THOMPSON:
- 10 Q. You may have answered this but you
- 11 were asked questions about Exhibit 534 by
- 12 Commissioner Hall looking at the first page, line
- 13 5, that number 16.584, that doesn't take account of
- 14 any revenue requirement increase in this case,
- 15 correct?
- 16 A. Correct.
- 17 Q. Okay. So in reality it would be
- 18 higher.
- 19 A. As a function of whatever increase
- 20 the company may get.
- 21 Q. Now, you were asked questions about
- 22 risks by Commissioner Rupp, do you recall? And was
- 23 the risk that Noranda was trying to avoid the risk
- 24 that it would have to pay the difference between a
- 25 wholesale rate and Ameren Missouri's wholesale

Page 2764

- 1 costs of power?
- 2 A. I don't know how that would have come
- 3 out looking at the structure though there was a
- 4 perceived risk not only of nonimplementation of the
- 5 rate, there was a wholesale rate that also as I
- 6 discussed with Commissioner Rupp. What might
- 7 happen later on and what the outcome of that would
- 8 be I don't know.
- 9 Q. Okay.
- 10 A. But there was definitely a perception
- 11 of risk.
- 12 Q. Under your FAC proposal would 95
- 13 percent of that risk go to ratepayers?
- 14 A. No, I don't know that it would. It
- 15 really depends on the circumstances of what kind of
- 16 disallowance or adjustment might be ordered.
- 17 Q. Okay. Now, your proposal, both the
- 18 one that you originally filed and the one in the
- 19 stipulation and agreement, both of those include or
- 20 both of them provide do they not that Noranda will
- 21 not be subject to the FAC.
- 22 A. That's correct.
- 23 Q. And isn't it true that the FAC is
- 24 adjusted every six months?
- 25 A. Four months I think. Every four.

Page 2765

- 1 Q. Okay. Every four months, thank you.
- 2 I stand corrected. So how many four month periods
- 3 are there in 10 years?
- 4 A. 30.
- 5 Q. Would you agree there are 30? So
- 6 there would be 30 FSC rate adjustments that Noranda
- 7 would be exempted from.
- 8 A. Yes. Unless the rate is, the rate is
- 9 subject to continuous review by the Commission in
- 10 each rate case so unless, and it could be that the
- 11 Commission would make some change in that in some
- 12 future rate case, so, you know, whether that would
- 13 extend for a 10 year period of time I think is, may
- 14 not.
- 15 Q. Okay. Would you agree with me that
- 16 the costs that go through the FAC are real costs
- 17 that Ameren has to pay?
- 18 A. I think they're hard dollar costs,
- 19 yes. I don't know that there's anything other than
- 20 that that's in there.
- 21 Q. Okay. And --
- 22 A. There are some revenues that offsets
- 23 a net number but they're all hard costs.
- 24 Q. I understand. Taking into account
- 25 the fact that it's a net number if Noranda is

Page 2766

- 1 exempt from the FAC then who, if you know or have
- 2 an opinion, who will be picking up those costs that
- 3 Noranda's not paying?
- 4 A. Other customers.
- 5 Q. Thank you. No further questions.
- JUDGE WOODRUFF: For Ameren.
- 7 CROSS EXAMINATION
- 8 QUESTIONS BY MR. LOWERY:
- 9 Q. Mr. Brubaker you may have already
- 10 said this but I wanted to expand on it a little
- 11 bit. All of the these figures, this \$33 million
- 12 figure which actually if you want to look at it on
- 13 a, even a current cost of service, current rates
- 14 are as I see four percent too low but \$33 million
- 15 figure, this 1.23 percent, all of the percentages
- 16 for each of the rate classes none of them take into
- 17 account any increase that might be granted in this
- 18 case or in any future case, isn't that right?
- 19 A. That's correct.
- Q. And in fact all of these analyses,
- 21 they don't take into account or make any attempt to
- 22 predict what the opportunity cost of having Noranda
- on the system versus off the system in the future
- 24 will actually be, isn't that right?
- 25 A. My colleague Mr. Dauphinais who

Page 2767

- 1 appears next has taken that into consideration in
- 2 ways that you can ask him about in coming up with
- 3 the 28 and \$29 numbers for the near term.
- 4 Q. Well I'm going to ask you a few
- 5 questions about it and if you know you can tell me
- 6 and if you don't know then you'll have to tell me
- 7 this too. But I suspect you know something about
- 8 this. Mr. Dauphinais' 28 or \$29 figures that you
- 9 cited, he calculated those using historical
- 10 information, he may have adjusted the historical
- 11 information in certain ways but he used historical
- 12 information, isn't that right?
- 13 A. He use historical, that's correct.
- 14 Q. He didn't use forward energy prices
- or forward capacity prices or other forecasts in
- order to calculate those numbers, isn't that right?
- 17 A. I think when you read his testimony
- 18 you'd see that he considered that and addressed
- 19 that, has addressed that issue.
- Q. He considered it but he didn't
- 21 actually take any dollar figure for any of those
- 22 parameters from the future and perform calculations
- 23 to come up with that 28 or \$29 that you mentioned,
- 24 did he?
- A. He considered it and he doesn't

Page 2768

- 1 adjust them for reasons he has explained in his
- 2 testimony.
- 3 Q. But my simple question is he may have
- 4 considered using future information, he may have
- 5 reasons for why he didn't actually use those
- 6 dollars in the future but he didn't actually use
- 7 any future dollars in calculating the 28 or \$29,
- 8 isn't that right?
- 9 A. And my response to you would be yes
- 10 because he didn't think it was necessary.
- 11 Q. I understand I didn't think it was
- 12 necessary. But as we just discussed none of us
- 13 know what the future's going to bring, do we?
- 14 A. We do not.
- MR. LOWERY: I don't have any further
- 16 questions Your Honor.
- JUDGE WOODRUFF: Redirect?
- 18 REDIRECT EXAMINATION
- 19 QUESTIONS BY MR. DOWNEY:
- Q. Let's just work backwards Mr.
- 21 Brubaker.
- Do you know why Mr. Dauphinais didn't
- 23 think it was necessary?
- A. I would have to try to summarize his
- 25 testimony.

Page 2769

- 1 Q. That's fine. But Mr. Dauphinais did
- 2 also consider future forward energy prices?
- 3 A. It's my understanding he considered
- 4 those in arriving at his recommendations.
- 5 Q. Okay. And would you explain to the
- 6 Commission how the base rates rebase fuel costs in
- 7 a rate case?
- 8 A. Typically when you have a rate case
- 9 there's some increase or decrease, lately it's been
- 10 an increase in fuel costs and that gets folded into
- 11 the new base rate so I think Mr. Thompson
- 12 mentioned 100 million, or Mr. Woodsmall perhaps
- 13 mentioned \$100 million fuel cost that will be
- 14 folded into base rates in this case and in
- 15 subsequent cases as well. So it's not all hanging
- out of the FAC, it gets somewhat escalated each
- 17 time there's a rate case.
- 18 Q. Okay. Do you happen to know in the
- 19 nonunanimous stip whether the proposal is for
- 20 Noranda to pay a certain percentage of base rate
- 21 increases?
- 22 A. Yes, I do. It's 50 percent of the
- 23 otherwise applicable system average increase.
- Q. So if fuel costs go up between rate
- 25 cases what would happen then in terms of rebasing

Page 2770

- 1 and its impact on Noranda? Under the stipulation.
- 2 A. In part it would be reflected in
- 3 increase of the base revenue, base rates for
- 4 Noranda.
- 5 Q. So if I understand correctly Noranda
- 6 would pay increased costs of fuel once they're, the
- 7 increased costs are rebased. In base rates.
- 8 A. They would pay 50 percent of whatever
- 9 the increase is including fuel and non fuel.
- 10 Q. Okay. I'm sorry, 50 percent of that.
- Now, you understand the Commission
- 12 retains control over rates?
- 13 A. That's my understanding, yes.
- 14 O. And one commission can not bind
- 15 future commissions?
- 16 A. I've been told that, yes.
- 17 Q. Do you think that's true?
- 18 A. I believe it is.
- 19 Q. Now, it's my understanding that your
- 20 testimony supported a rate of \$32.50 for Noranda?
- 21 A. It did.
- 22 Q. And was that, it was your testimony
- 23 that that rate was better for the other ratepayers
- 24 than if Noranda shut down?
- 25 A. Yes.

Page 2771

1 Q. And would	d you explain why?
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- 2 A. Based on the analysis, the comparison
- 3 between what they had gotten for the power if it
- 4 were sold in the wholesale market plus any savings
- 5 and costs that number was bigger than the reduction
- 6 in rates for Noranda versus their current rates.
- 7 So it was a question of which way are you better
- 8 off, how much, how many dollars of increase would
- 9 the other customers face with Noranda at a lower
- 10 rate versus no Noranda and in our evaluation
- 11 ratepayers would see a higher rate without Noranda
- 12 than they would under the Noranda served at a lower
- 13 price.
- 14 Q. And if the Commission were to adopt
- 15 the \$34 proposal would your opinion be the same as
- 16 far as it benefits ratepayers versus Noranda
- 17 leaving the system?
- 18 A. It would be a larger benefit.
- 19 Q. And if the Commission adopted a rate
- that is even higher than \$34 would the benefit also
- 21 increase?
- 22 A. Yes.
- 23 Q. In your opinion as an expert is the
- 24 stipulated rate a just and reasonable rate and
- 25 benefit to ratepayers versus Noranda shutting down?

		Page 2772
1	MR. LOWERY: I'm going to object as	
2	these questions are beyond the scope of any	
3	questions that came from any cross examination.	
4	JUDGE WOODRUFF: I'll overrule the	
5	objection. You can answer.	
6	A. Yeah, I think it's a fair, would be a	
7	fair and reasonable outcome.	
8	Q. (BY MR. DOWNEY) Okay. And never	
9	mind.	
10	And you're familiar with the	
11	conditions in the stipulation, are you not?	
12	A. Yes, generally.	
13	Q. Is there a condition on liquidity?	
14	A. There are conditions on liquidity.	
15	Q. Is there a condition on retaining	
16	employees?	
17	A. Yes.	
18	Q. Is there a condition on capital	
19	expenditures?	
20	A. There is.	
21	Q. Is there a condition on special	
22	dividends?	
23	A. There is.	
24	Q. And what is that condition?	
25	A. That there won't be any.	

Page 2773

- Q. Did you see my opening statement
- 2 earlier this week?
- 3 A. I did.
- 4 Q. There was a slide where I, a couple
- 5 of slides where I set out the conditions, do you
- 6 recall that?
- 7 A. I do.
- 8 Q. And was that slide accurate to the
- 9 conditions? I'm asking you because I may have
- 10 forgotten some.
- 11 A. As I remember it was. I don't
- 12 remember all the lines on it but there were a
- 13 number of conditions and I believe that they were
- 14 all reflected.
- 15 Q. Do you know whether those conditions
- were negotiated to protect ratepayers?
- 17 A. That was the purpose of them, yes.
- 18 Q. All right. And do you believe that
- 19 stipulated rate with those conditions is a just and
- 20 reasonable rate?
- 21 A. I think the rate is just and
- 22 reasonable, I did not participate in negotiated
- 23 conditions.
- 24 Q. And again that's with the assumption
- 25 that Noranda would close the smelter without a

Page 2774 reduced rate. Α. That's the comparison, that's 3 correct. 4 Q. Now, you had some questions from Mr. 5 Thompson on the risk of the wholesale deal. Do you recall that? 6 7 I do. Α. 8 Q. And you may have had discussion with other either commissioners or lawyers but does part of that risk have to do with having Ameren Missouri 10 11 build the costs, the fixed costs of providing power 12 under that wholesale rate in base rates to 13 ratepayers? 14 Α. I mean I think that got to some of 15 the issues, this was a departure from normal practices and we were concerned about that. 16 17 Q. And did you happen to read the testimony of OPC witnesses and Staff witnesses on 18 19 the wholesale proposal? 20 I did. Α. 21 And is it fair to say they opposed Q. the wholesale deal? 22 23 That's fair to say, they certainly Α. 24 did. 25 Q. Though there was a lot of discussion

Page 2775

- 1 I think with Mr. Woodsmall about page MEB-COS 8 in
- 2 Exhibit 534 regarding this 48 month average?
- 3 A. Yes.
- 4 Q. And I believe you testified that you
- 5 don't believe that is a good way to determine
- 6 incremental costs, paraphrasing. Do you recall
- 7 that?
- 8 A. Yes, I do.
- 9 Q. Would you explain to the Commission
- 10 **why?**
- 11 A. We thought it was not representative
- 12 to have the polar vortex in there and use a four
- 13 year average. In calculating test year data in
- 14 this case every party that did it including Staff
- 15 and Ameren and MIEC removed the effects of the
- 16 polar vortex just because they're abnormal and we
- 17 thought why should we evaluate our rate proposal on
- 18 something that everybody else has already concluded
- 19 isn't representative so for that reason I don't
- 20 think that column is the primary basis that should
- 21 be used for evaluation.
- 22 Q. Now, you were asked some questions
- 23 about I believe page 35 of your direct testimony.
- 24 **Q.** Yes.
- 25 A. And I believe you stated that under

Page 2776

- 1 normal circumstances you are in favor of cost of
- 2 service rate making, do you recall that?
- 3 A. Embedded cost of service rate making,
- 4 that's right.
- 5 Q. And I know you keep correcting the
- 6 lawyers on our use of cost of service and you say
- 7 embedded cost of service, what's the difference?
- 8 A. Well, embedded cost of service is
- 9 just an allocation of all the elements that are
- 10 added together to get the utility's total revenue
- 11 requirement. And the other cost of service is the
- 12 incremental analysis which says given two options
- 13 what are the outcomes of the two options looking
- 14 just at the costs involved in the two options.
- 15 Q. Thank you.
- Would you, what is your opinion on
- 17 whether this request of Noranda Aluminum would be
- 18 considered normal circumstance?
- 19 A. I think it's not, it's unusual.
- 20 Compared to the normal embedded cost rate making
- 21 but certainly when you look around the country
- 22 there are a lot of rates of this kind that are set
- 23 lower than any fully embedded costs but above
- 24 incremental costs for the same reason we're
- 25 suggesting it makes sense here, it's better off to

Page 2777

- 1 keep the customer at a lower rate than to lose the
- 2 customer and have all the power that otherwise
- 3 would have been sold to the customer sold in the
- 4 wholesale market at a lower price which would
- 5 thereby cause the rates of the other customers to
- 6 increase more than they would increase under the
- 7 special incremental costs based rate for Noranda.
- 8 Q. Is the size of the Noranda load one
- 9 factor in your opinion that it's not a normal
- 10 circumstance?
- 11 A. It's certainly a very large load and
- 12 has to be looked at I think on its own differently
- 13 than perhaps we look at other loads.
- 14 Q. Do you have an opinion whether the
- 15 incremental cost to serve Noranda between now and
- 16 the time, the likely time of the next rate case,
- assume that to be three years or less will be below
- 18 \$32.50 per megawatt hour?
- 19 A. I would have to rely on Mr.
- 20 Dauphinais for that judgment.
- 21 Q. And do you respect his opinion?
- 22 A. I do.
- Q. And is his opinion that it is less
- 24 than 32.50?
- 25 A. It is.

Page 2778

- 1 Q. Is his opinion also that it's less
- 2 than \$34 per megawatt hour?
- 3 A. If it's less than 32.50 it's less
- 4 than 34.
- 5 Q. I asked for that. And thank you for
- 6 giving it to me.
- 7 A. I appreciate the obvious questions.
- 8 Q. Have you any explained Exhibit 534
- 9 and its calculations?
- 10 A. I think so.
- 11 MR. DOWNEY: Judge I would offer
- 12 Exhibit 534.
- JUDGE WOODRUFF: 534 has been
- 14 offered. Any objections?
- 15 Hearing no objections it will be
- 16 received.
- 17 MR. DOWNEY: I'm not quite finished
- 18 Judge, give me just a second.
- 19 That's all we have. Thank you.
- A. Thank you.
- JUDGE WOODRUFF: Then you can step
- 22 down Mr. Brubaker.
- 23 A. Thank you.
- JUDGE WOODRUFF: And it's nearly
- 5 o'clock so we'll go ahead and stop for tonight,

		Page 2779
1	we'll resume tomorrow morning at 8:30 hopefully	
2	with the air-conditioning working.	
3		
4		
5	(Whereupon, the hearing concluded at 4:50 p.m.)	
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12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

		Page 2780
1	INDEX	
2		
3	KIP SMITH	
4	Redirect Examination/Mr. Mallin 240	64
5		
6	DALE WAYNE BOYLES	
7	Direct Examination/Mr. Mallin 24	92
8	Cross Examination/Mr. Nelson 249	95
9	Examination/Chairman Kenney 2586	
10	Examination/Commissioner Hall 259	93
11	Examination/Commissioner Rupp 26	10
12	Cross Examination/Mr. Thompson 263	26
13	Recross Examination/Mr. Nelson 262	29
14	Redirect Examination/Mr. Mallin 263	31
15		
16	JOSEPH HALAG	
17	Direct Examination/Ms. Iles 2656	
18		
19	STEVEN SPINNER	
20	Examination/Chairman Kenney 2667	
21	Examination/Commissioner Kenney 260	59
22	Examination/Commissioner Hall 26	71
23	Cross Examination/Mr. Lowery 26	72
24		
25		

		Page 2781
1	COLIN PRATT	
2	Direct Examination/Mr. Mallin 2673	3
3	Examination/Commissioner Hall 2676	
4		
5	THOMAS HARRIS	
6	Direct Examination/Ms. Iles 2679	
7		
8	HENRY FAYNE	
9	Direct Examination/Ms. Iles 2682	
10	Cross Examination/Mr. Woodsmall 2683	
11	Cross Examination/Mr. Mitten 2690	
12	Examination/Commissioner Hall 2692	
13	Examination/Commissioner Rupp 2718	
14	Recross Examination/Mr. Woodsmall 2719	
15	Recross Examination/Mr. Thompson2720	
16	Recross Examination/Mr. Mitten 2723	
17	Redirect Examination/Ms. Iles 2727	
18		
19	MORRIS BRUBAKER	
20	Cross Examination/Mr. Woodsmall 2734	
21	Cross Examination/Mr. Thompson 2741	
22	Cross Examination/Mr. Lowery 2744	
23	Examination/Chairman Kenney 2747	
24	Examination/Commissioner Hall 2749	
25	Examination/Commissioner Rupp 2755	

				Page 2782
1		Recross Examination/Mr. Allison	2756	
2		Recross Examination/Mr. Woodsmal	.1 2759	
3		Recross Examination/Mr. Thompson	2763	
4		Recross Examination/Mr. Lowery	2766	
5		Redirect Examination/Mr. Downey	2768	
6				
7				
8		EXHIBITS		
9	MIEC			
10	503	Brubaker direct testimony	2732	
11	504	Brubaker rebuttal testimony 2	732	
12	505	Brubaker surrebuttal testimony	2732	
13	532	Liquidity chart	24642471	
14	533	12/31/14 Noranda 10K 2462 247	9	
15	534	Brubaker recalculation chart	2728	
16	600HC/	/NP Boyles direct testimony	2493 2494	
17	601 H	C/NP Boyles surrebuttal testimony	2493 2494	
18	602	Fayne direct testimony	2682	
19	603	Fayne rebuttal testimony	2682	
20	604	Harris direct testimony	2680 2680	
21	605	Harris rebuttal testimony	2680 2680	
22	606	Haslag direct testimony	2657 2658	
23	607	Haslag surrebuttal testimony	2657 2658	
24	608	Pratt direct testimony	2674 2675	
25	609	Pratt rebuttal testimony	2674 2675	

		Page 2783
1		
2 AMERE	ZN	
3 69	Boyles Depo Ex. No. 3 2542	2544
4 70	Boyles Depo Ex. No. 4 2542	2545
5 71	Boyles Depo Ex. No. 5 2542	2546
6 72	Boyles Depo Ex. No. 6 2542	2546
7 73	2013 West Virginia order 2698	2698
8		
9 MECG		
10 979нс	C Comparison Costs For Electricity2687 20	698
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

		Page 2784
1	REPORTER CERTIFICATE	
2		
3	I, SUZANNE BENOIST, Certified Shorthand	
4	Reporter, do hereby certify that there came before	
5	me at the Missouri Public Service Commission, 200	
6	Madison Street, Jefferson City, MO 65102, the	
7	above-referenced parties, that the proceeding was	
8	translated and proofread using computer-aided	
9	transcription, and the above transcript of	
10	proceedings is a true and accurate transcript of my	
11	notes as taken at the time of said event.	
12	I further certify that I am neither attorney	
13	nor counsel for nor related nor employed by any of	
14	the parties to the action in which this examination	
15	is taken; further, that I am not a relative or	
16	employee of any attorney or counsel employed by the	
17	parties hereto or financially interested in this	
18	action.	
19	Dated this 12th day of March, 2015.	
20		
21		
22	SUZANNE BENOIST, RPR, CCR, CSR-IL	
23		
24		
25		

A	2485:21	2519:12	2725:24	2708:14
<b>ability</b> 2490:20	account 2748:20	2631:15	advocating	2735:17 2739:4
2499:24	2763:13	2643:12 2670:5	2733:4	2742:12
2500:15	2765:24	2670:6 2699:19	<b>AEP</b> 2684:16	2760:21 2761:6
2505:19	2766:17,21	2704:19	affect 2539:25	2765:5,15
2638:17,20,25	accounted	2713:20	2643:13	agreed 2485:20
able 2477:14	2753:3	2728:25	2725:10	2624:3,9,25
2482:22	accounting	Additionally	affiliation	2625:1 2660:1
2485:21	2496:5 2497:18	2670:20	2669:18	2722:7 2730:13
2490:20	accounts 2706:19	<b>address</b> 2480:23	<b>afford</b> 2505:19	2734:21
2505:19	2716:24	2491:21 2646:3	affordable	agreeing 2479:24
2509:24 2630:8	accuracy 2518:5	2679:5 2737:5	2491:15,16,21	agreement
2671:18 2689:9	2518:18	addressed	afternoon	2479:20
2689:12	2693:11	2767:18,19	2623:14 2626:3	2480:13
2699:13 2707:4	accurate 2521:14	<b>adjust</b> 2768:1	2626:4 2671:5	2622:23 2624:6
2748:5	2530:13	adjusted 2702:3	2676:6,7	2660:13 2667:6
abnormal	2631:20	2764:24	2678:5 2683:11	2668:25
2775:16	2676:14 2773:8	2767:10	2683:12 2691:2	2701:23
above-referenc	2784:10	adjustment	2710:7,8	2741:19 2742:4
2784:7	achieving	2703:20	2747:14,15	2755:22
absent 2539:2	2640:25	2739:19,23	2749:6,7	2764:19
2594:25 2595:2	acknowledge	2748:13	2755:8,9	agreements
2712:15	2510:14	2749:19	<b>agenda</b> 2622:4	2709:1 2747:25
<b>absolute</b> 2528:20	<b>acquire</b> 2695:12	2750:11	ago 2552:15	<b>ahead</b> 2480:7
2594:23 2690:6	acquisition	2752:13	2667:13 2668:5	2520:20
2690:7 2692:25	2639:2	2758:20	2672:22	2686:12 2690:8
2693:4 2737:20	acquisitions	2760:16	2689:25 2690:8	2732:9 2733:10
absolutely	2639:4	2764:16	2699:3 2747:5	2778:25
2480:2,14	<b>action</b> 2784:14	adjustments	<b>agree</b> 2501:14	aid 2491:22
2540:3 2660:5	2784:18	2708:3 2739:7	2506:18 2510:6	<b>Aikman</b> 2497:4
2708:23 2724:3	actions 2500:1	2739:10,11	2512:15	2497:15
2745:23	<b>activity</b> 2637:10	2765:6	2515:23	air 2487:22
abundantly	2639:2	admission	2518:17	2505:5 2506:8
2676:14	actual 2490:3	2478:13 2494:2	2526:11 2530:4	air-conditioning
acceleration	2510:15,18,21	2544:12 2545:6	2530:15 2537:3	2488:8 2779:2
2728:21	2522:8 2525:10	2546:1,15	2538:13 2539:2	Alcoa 2701:24
accept 2482:17	2526:22	2657:21 2675:5	2539:20	2702:4,8
2678:24	2530:10 2637:2	2682:24	2540:17	2715:12
2735:10	2710:11 2741:3	2698:17	2543:19 2547:2	Alcoa's 2701:13
2762:16	2746:7	admittance	2552:8 2553:23	alert 2463:12
accepting	added 2514:9	2546:18	2554:1 2555:11	2549:3 2646:12
2737:14	2666:5 2669:7	admitted	2591:9 2684:17	ALEXANDER
accepts 2737:10	2776:10	2479:13	2686:25	2462:14
access 2689:9	addition 2544:21	2732:17	2691:15,22	Allison 2462:9
accidentally	2725:4	adopt 2771:14	2693:16 2701:7	2494:11
2691:5,5	additional	adopted 2771:19	2706:15,17	2622:17,18,21
accommodate	2485:23	advances	2707:3,21	2624:10,17
	ı	1	ı	ı

2625:2,5	2539:8,12,14	2730:7 2735:4	2544:23	apiece 2634:11
2658:4 2675:13	2539:17	2742:15 2744:4	2546:11	<b>Apollo</b> 2490:2,10
2681:1 2683:6	2547:21	2744:12 2745:9	analyze 2504:3	2490:16 2491:5
2733:24 2738:5	2549:20,23	2747:17,23	Anheuser	2491:19,25
2738:13,17	2550:17	2748:21	2666:11,13	2492:2 2498:5
2756:8 2758:24	2551:13,18	2751:23 2752:7	anniversary	2498:6,8
2782:1	2552:2,13	2752:24	2740:9	2499:21,23
allocated	2555:12 2586:2	2753:11	announce 2622:2	2500:11,15
2622:19	2633:16	2755:21	announced	<b>Apollo's</b> 2500:6
2726:10,13	2637:24	2762:10	2485:25	apologize 2464:2
2742:20,23	2638:13,14	2763:25	2539:11	2478:1 2479:16
2750:24 2760:2	2666:15,16,18	2765:17 2766:6	annual 2503:10	2548:13 2636:2
allocation 2624:8	2691:12	2774:10	2663:20 2700:3	2646:21
2667:7 2734:12	2694:11 2696:4	2775:15 2783:2	annually 2740:8	apparel 2495:15
2776:9	2696:23,25	AmerenUE	anodes 2633:16	apparent
allow 2662:9	2697:21	2461:11	<b>answer</b> 2480:7	2676:21
2664:15	2698:24 2699:6	Ameren's	2491:9 2508:22	apparently
2665:18 2714:8	2701:25	2529:13 2530:2	2511:22 2555:3	2646:14
2722:21	2702:18	2624:15 2663:1	2555:7,10	2677:15
2755:16	2704:11 2706:5	2670:1 2734:6	2585:5 2595:16	2728:13
<b>allowed</b> 2541:22	2706:21	amount 2483:22	2663:8 2671:18	appeal 2713:13
2661:17	2707:13 2708:7	2483:22 2559:4	2695:1 2704:15	2748:8
2727:20	2710:12 2717:6	2644:14 2670:2	2722:19 2739:3	appear 2530:13
allowing 2696:4	2718:9 2776:17	2678:13 2697:5	2741:24 2772:5	2622:23 2624:5
all-in 2552:9,13	Aluminum's	2697:15	answered	2663:25
2553:16 2554:3	2696:2,15	2699:16 2700:3	2661:14	2698:15
2554:12,18	amended	2704:1,19	2763:10	APPEARANC
alternative	2623:16	2728:25	answering	2461:1
2671:13	<b>Ameren</b> 2460:10	2749:19	2695:22	<b>appears</b> 2543:22
2678:14,21	2461:11 2463:4	2755:23 2762:8	<b>answers</b> 2493:11	2751:7 2767:1
<b>alumina</b> 2703:13	2477:12	<b>amounts</b> 2699:14	2493:24 2553:7	applicable
2703:18	2479:20	2708:24	2641:15	2769:23
2707:12,19,25	2480:13,17	analyses 2766:20	2644:24	application
aluminum	2481:2,13,25	analysis 2504:6	2657:15	2739:15
2462:1 2492:22	2482:12	2504:12,19,22	2674:22	applications
2495:24	2494:20	2505:6,10	2678:20	2550:17
2496:21 2497:1	2624:21	2506:11	2680:16	<b>applied</b> 2761:16
2497:8,13,13	2625:21	2511:10,12,16	2682:21	apply 2510:15
2498:1,23	2658:10 2670:3	2521:17 2523:4	<b>ANTA</b> 2462:14	2525:16
2501:15,19	2671:20 2672:2	2524:1 2525:17	anticipated	2537:12,13
2503:10,19	2675:21 2681:9	2526:1,6,17	2665:7	2671:19
2504:4,14,19	2690:17	2528:14	anticipating	<b>applying</b> 2525:13
2505:7,12	2691:17	2547:19	2659:8	appraised
2521:8 2523:8	2692:12,17	2656:22 2771:2	anticipation	2748:21
2529:18	2704:10,24	2776:12	2731:25	appreciate
2530:11,14	2722:24	analysts 2502:4	<b>anybody</b> 2463:23	2478:19 2479:7
2537:4 2538:12	2723:11 2727:3	2543:21	2549:2	2646:19 2673:7
			l	

2678:23	arrangement	2485:5 2487:4	2622:11	2760:20 2763:3
2679:14 2778:7	2696:15,20	2491:4 2641:12	2663:18,21	2769:23 2775:2
approach	2698:1,3,22	2740:13	attributable	2775:13
2498:16	2699:12,22	2748:15	2762:8	<b>AVL</b> 2631:8
2552:17	2701:13 2702:4	assume 2506:1,2	audience 2622:3	avoid 2685:19
approached	2722:2	2506:5 2509:24	authority	2700:13
2724:8 2728:18	arrangements	2511:4 2515:13	2701:14,19	2763:23
appropriate	2638:19	2537:18 2552:6	2711:20 2712:1	avoided 2751:18
2700:21 2733:2	2702:18,23	2625:21	2712:6,7,9,14	aware 2503:9
2753:23	2703:5	2626:14	2712:18 2713:3	2528:22 2529:1
approval	<b>arrived</b> 2668:12	2630:19	2713:7,10,16	2529:4 2530:7
2485:19	arriving 2504:4	2641:20,24	2713:20 2714:1	2537:16,24
<b>approve</b> 2659:23	2769:4	2672:3 2705:16	2714:16 2722:3	2541:18 2542:4
2711:14,21	<b>Arthur</b> 2497:18	2777:17	2722:8,16	2542:5,6,12,14
2712:23 2753:8	aside 2723:2	assumed 2523:8	authorized	2625:10,12
approved 2696:1	asked 2484:16	2523:16	2695:10 2714:4	2637:20 2679:1
2696:22	2490:2,24	assuming 2505:8	2727:11	2702:16,20
2698:23	2491:8 2541:9	2523:13	2735:24 2763:1	2722:20,25
2699:23	2541:18	2707:18	authorizes	<b>a.m</b> 2463:2
2712:14 2713:6	2546:12 2553:6	2708:11 2752:5	2725:3 2726:7	<b>A1</b> 2507:19
2724:1 2748:6	2553:13	2752:18	automotive	2510:3 2512:6
2748:7,12	2554:10 2591:7	2762:10	2497:6	<b>A2</b> 2507:19
approving	2622:16	assumption	available	2508:14,15,23
2713:24	2623:18 2626:6	2524:5,8	2481:17	2508:25 2512:6
approximately	2645:24 2671:6	2559:19 2641:6	2505:21 2506:7	2514:15
2485:2,3	2672:4 2678:15	2645:1 2745:11	2528:24	<b>A3</b> 2507:19
2495:13	2689:11,14	2752:8 2773:24	2529:15 2659:2	2510:3 2512:6
2496:16	2727:3,8	assumptions	2659:5 2660:17	
2498:10 2518:7	2728:4,8,20	2504:17 2511:6	2660:18 2684:3	B
2552:16 2633:6	2730:2 2756:11	2513:9 2523:23	2689:16 2700:9	<b>B</b> 2461:7
2633:8,10,19	2763:11,21	2524:3,11	2717:18	back 2463:4,21
2634:4,6,10,12	2775:22 2778:5	2559:18	2743:11,21	2477:1 2484:8
2666:20	<b>asking</b> 2518:24	2639:16 2640:3	<b>Avenue</b> 2461:4	2485:10 2488:2
2692:11	2518:25	2641:2 2643:16	<b>average</b> 2504:23	2488:7 2494:23
2706:20	2548:17,20	2740:23 2746:4	2506:21 2507:2	2499:3 2530:20
2751:22	2594:5 2668:7	attached 2690:4	2507:3,22,23	2537:1 2546:24
arbitrarily	2746:22,23	<b>attempt</b> 2623:19	2507:24	2552:7 2553:4
2524:5 2526:23	2755:24 2773:9	2766:21	2508:15 2509:5	2559:1,25
areas 2548:20	assembly	<b>attended</b> 2636:20	2509:7 2510:5	2585:5 2587:16
<b>argue</b> 2716:17	2700:12,20	attention 2732:2	2527:13	2593:11 2622:1
argument	2701:5 2724:8	attorney 2461:7	2692:12	2622:4,7
2662:16	2755:14	2461:11,12,12	2736:11,21	2623:25
2753:20	assertion	2462:2,5	2737:3,6,12	2625:17
arising 2638:24	2716:23	2723:7 2784:12	2739:1,2	2631:25
arms 2512:16	asset 2484:5,8	2784:16	2740:19,20	2634:16 2636:3
Armstrong	associated	attorneys	2744:4 2756:16	2660:19 2662:1
2461:21	2481:24 2485:4	2463:13	2756:16	2668:25
	I	I	I	<u>I</u>

			_	_
2672:14	2665:9,10	behalf 2645:22	2743:20 2751:9	2737:13,18
2677:23 2678:4	2671:25 2673:3	2683:14 2694:5	2753:22 2761:2	2738:2,22
2678:5 2685:13	2677:6 2691:14	2695:6	2761:17,24	2742:16
2689:25	2696:22	behaviors	2762:6 2770:18	2745:10 2746:9
2690:10	2698:23 2702:3	2481:19,20	2773:13,18	2770:23 2771:7
2695:19	2703:17	<b>belief</b> 2499:12	2775:4,5,23,25	2776:25
2699:10,14	2704:14	2515:20 2594:2	<b>believed</b> 2712:12	<b>beyond</b> 2490:23
2704:23	2712:17 2716:4	believe 2464:1	<b>believes</b> 2700:20	2626:8 2633:21
2713:11	2718:20 2724:2	2478:23,25	<b>bell</b> 2689:24	2746:18 2772:2
2718:22	2729:15	2479:19,25	bench 2586:18	<b>bid</b> 2717:19
2729:12	2731:21	2480:10 2481:2	2625:19	big 2483:5
2731:10,10	2732:23	2483:25	2658:13 2665:9	2497:20
2749:15	2735:18,19	2490:18	2665:11 2672:1	2695:16,17,19
2752:14,15,19	2736:10	2498:20	2673:4 2675:24	2696:3
2752:24	2741:17	2504:11,16	2677:7 2681:12	bigger 2670:16
<b>backed</b> 2484:5	2743:10 2744:7	2508:19 2510:2	2681:22	2771:5
backwards	2744:21 2756:5	2510:17 2512:7	2709:18	<b>bill</b> 2631:13
2768:20	2756:20 2771:2	2514:8 2515:10	2718:21	<b>billion</b> 2666:15
<b>baked</b> 2633:12	2777:7	2515:14,15	2733:17	<b>billions</b> 2684:19
<b>balances</b> 2726:13	bases 2754:2	2518:16	2747:10 2756:5	<b>bills</b> 2631:13
<b>ball</b> 2753:17	basic 2715:8	2528:17	beneficial	<b>bind</b> 2770:14
bank 2679:25	basically 2521:21	2530:11,17	2691:17	<b>bit</b> 2479:11,18
2715:17	2523:24 2548:1	2537:22	<b>benefit</b> 2771:18	2482:18
bar 2514:22	2695:16	2538:17 2539:4	2771:20,25	2484:15,23
2527:24	2712:14	2539:5 2540:3	<b>benefits</b> 2771:16	2488:9,10
2712:21	2713:19	2541:13,21	BENOIST	2491:13,19
bargaining	2715:15	2545:5,23	2460:23 2784:3	2494:23 2495:7
2709:1	2716:17 2729:1	2546:14	2784:22	2513:19
bars 2515:18	<b>basis</b> 2668:9	2551:17	<b>best</b> 2481:1	2516:10
2519:15	2701:20	2555:13,19,23	2499:11,13	2547:15,17
base 2699:16	2722:22	2585:24 2587:2	2505:20 2506:6	2555:20 2631:7
2703:12	2744:19	2592:21 2594:8	2511:2 2512:17	2633:2 2666:18
2716:23 2760:7	2749:14 2751:2	2623:20,22	2512:18	2766:11
2761:19 2762:4	2775:20	2630:6 2633:5	2515:19,21	blessed 2483:4
2769:6,11,14	bear 2730:16,18	2636:8 2637:25	2526:4 2527:8	<b>blind</b> 2676:12,19
2769:20 2770:3	becoming	2643:2 2645:8	2528:22,23	2745:20
2770:3,7	2555:12	2656:5 2662:1	2529:1,4,9,14	<b>blue</b> 2508:14
2774:12	<b>began</b> 2463:2	2668:20	2530:1,5,5	2509:6 2510:4
<b>based</b> 2501:4	beginning	2670:14	2537:21 2540:5	2514:23 2517:8
2504:24,25	2512:12	2672:12 2673:8	2540:7 2746:19	2519:14 2522:4
2506:6 2508:2	2646:17 2658:3	2677:13 2687:6	bets 2486:13	2522:16
2508:3 2519:18	2661:17	2693:2 2695:4	<b>better</b> 2484:12	2527:20 2528:1
2519:22	2680:24 2683:4	2700:15,23	2530:7 2537:25	<b>Blvd</b> 2461:21
2522:10	2685:5 2695:25	2707:8,15	2679:10	2462:19
2526:22 2529:2	2696:12	2723:6 2731:7	2691:18 2693:9	<b>board</b> 2490:4
2547:23 2552:6	begins 2551:7	2732:6 2734:13	2693:21,24	2500:21,25
2659:24,25	2694:19	2737:3,5,11	2715:10 2737:1	2501:1,2,9
	l	l	l	l

2551:6 2714:21	<b>bringing</b> 2485:21	<b>buy</b> 2669:20	2546:13	2633:16
2734:22	2659:15 2660:4	2714:5	2591:24 2636:6	card 2586:11
2761:16	<b>broad</b> 2527:9	<b>buyer</b> 2717:19	2636:20 2637:5	2631:8
boards 2510:22	broader 2520:3	2728:25	2639:6 2641:11	careful 2479:9
bodies 2539:12	Broadway	buyers 2717:18	2641:23 2642:3	2548:22
<b>Bolivar</b> 2462:3	2461:13	buying 2666:14	2642:20 2643:1	2747:24
<b>bolster</b> 2660:3	brought 2549:16		2643:7,18	CAROLE
book 2551:16,23	Brubaker 2731:7	C	2644:8,18,23	2461:12
<b>bottom</b> 2668:18	2731:11 2742:9	C 2461:20 2463:1	2645:4 2656:6	case 2463:4
2723:23	2747:14 2749:6	2516:5 2725:2	2741:16	2479:25
Box 2461:8,18	2756:9 2766:9	calculate	called 2496:15	2480:23
2462:9,14	2768:21	2692:23	2497:4 2498:5	2482:25 2486:1
Boyle 2625:19	2778:22	2741:20	2522:5 2633:12	2486:8 2493:3
2626:3 2705:20	2781:19	2742:13 2743:9	2641:3	2498:5 2503:6
Boyles 2483:17	2782:10,11,12	2743:19	calls 2544:21	2503:18 2504:8
2484:12	2782:15	2751:19,20	2591:4,11,17	2505:23
2492:10,20,21	Brubaker's	2767:16	2592:14 2593:6	2511:13
2495:3 2542:21	2731:19	calculated	2593:9,12	2514:16
2543:1,4,6,8	2732:13,22	2508:3,4,15	2594:20	2515:14
2550:23	<b>Bryan</b> 2461:13	2522:3 2692:3	2761:25	2520:12 2521:8
2586:22	2462:2 2663:18	2692:21	camera 2463:17	2522:2 2529:9
2637:12 2708:4	2663:21	2735:18	2479:6 2487:17	2530:5 2537:22
2780:6 2782:16	2672:14	2743:18	2487:19 2488:2	2591:14,14,16
2782:17 2783:3	<b>Brydon</b> 2461:17	2744:16	2587:13	2595:13 2630:4
2783:4,5,6	<b>bubble</b> 2644:4	2758:13 2767:9	2626:12 2632:1	2630:15,17,23
<b>brand</b> 2498:2	<b>build</b> 2483:7	calculating	2656:2 2685:20	2657:1 2659:24
<b>Brands</b> 2495:19	2684:17,20	2522:16 2768:7	2686:14,18	2661:1 2662:14
2495:21	2774:11	2775:13	2687:7,9	2663:22,23
breached	<b>building</b> 2462:23	calculation	2718:24	2664:16
2480:11	2548:8 2549:5	2525:10 2526:7	<b>cap</b> 2699:7	2667:19
<b>break</b> 2488:2,7	<b>built</b> 2515:19	2736:17,20	2704:1	2674:16,19
2622:2 2679:4	2668:10	2743:13 2752:6	capability	2680:10
2695:10 2714:8	<b>bullet</b> 2585:12	2752:11 2754:7	2504:10	2682:15 2686:7
2727:11,20	<b>bunch</b> 2509:12	2754:11,17	2715:14	2687:3 2689:14
2731:6,10	2550:11 2733:3	2762:10	capacity 2491:24	2689:25
brent.roam@b	<b>burning</b> 2684:13	calculations	2492:23	2690:11,11
2461:15	<b>Busch</b> 2666:11	2737:5 2738:24	2673:23	2695:5,19
<b>bridge</b> 2640:8	2666:13	2746:21,24	2767:15	2696:9 2697:25
<b>brief</b> 2662:14	business 2638:17	2756:21	<b>capital</b> 2523:15	2698:4,13
2693:20 2733:1	2638:20	2767:22 2778:9	2559:8,14	2700:23
2759:7	2669:18	calendar 2631:9	2633:2,3	2701:12
<b>briefs</b> 2630:20	2682:12	call 2506:24	2638:21	2702:14,25
<b>bring</b> 2485:15,22	2699:13	2509:11	2699:19 2706:9	2707:12,15
2661:19 2665:3	2728:15	2511:17 2512:5	2772:18	2714:7 2723:6
2665:8,24	2729:11	2512:6 2543:20	<b>Capitol</b> 2461:17	2724:13 2725:2
2677:23 2678:6	business's	2544:9 2545:3	car 2676:11,23	2725:19 2726:6
2732:2 2768:13	2638:21	2545:16,22	<b>carbon</b> 2633:12	2727:9,15,17
	<u> </u>	<u> </u>	<u> </u>	<u> </u>

	·		·	•
2727:19,22	center 2656:23	2666:4	<b>changed</b> 2514:25	<b>cited</b> 2767:9
2728:1 2729:25	central 2585:12	chairman	2541:3 2666:20	City 2460:6
2734:7,7,10	cents 2483:8	2460:16	<b>changes</b> 2493:14	2461:18 2462:3
2735:4,11,24	<b>Century</b> 2696:1	2463:22	2493:17	2462:7,10,15
2737:7,14	2696:4 2715:12	2586:19,21	2523:23 2539:7	2462:24
2738:4,12	<b>CEO</b> 2480:12	2587:7,11	2638:9 2675:1	2664:17 2784:6
2740:2,10	2550:25 2705:6	2591:1 2593:23	characterization	claiming 2713:9
2753:4,7,10	<b>certain</b> 2485:11	2622:7,10,16	2591:19	<b>clarify</b> 2759:24
2760:25 2761:1	2493:2 2512:3	2622:19,22	2760:24	clarifying 2738:6
2761:2,12,16	2623:17	2623:1,8,12,15	characterize	clarity 2547:6
2763:1,14	2636:25 2637:4	2623:22,25	2694:24 2758:7	class 2624:7,12
2765:10,12	2637:19	2624:5,15,23	characterized	2625:7 2667:6
2766:18,18	2638:11,12	2625:3,10,15	2722:6	2736:11
2769:7,8,14,17	2639:16 2674:2	2626:5 2658:15	<b>charge</b> 2670:6	2749:10,11
2775:14	2697:10,21	2660:10,15,20	2714:22	2756:20,21
2777:16	2699:6 2704:11	2660:22,24,25	<b>charges</b> 2718:17	2757:24 2758:3
cases 2480:20	2745:23	2661:3 2663:6	2735:1 2751:17	<b>classes</b> 2732:1
2529:10	2767:11	2663:13 2664:3	<b>chart</b> 2464:1	2757:23
2663:24	2769:20	2664:6,25	2479:1 2555:25	2766:16
2692:13	certainly 2482:5	2666:23,25	2782:13,15	classified
2696:13,18	2484:25 2503:2	2667:3,22	check 2761:7	2463:11
2716:18,25	2513:16	2668:1 2669:9	<b>chief</b> 2492:24	2756:20
2744:5 2753:5	2548:25	2675:25 2676:1	2499:5 2510:23	<b>clause</b> 2752:13
2769:15,25	2550:19 2663:5	2681:12,13	China 2540:24	<b>clear</b> 2490:3
cash 2526:13	2665:17	2709:19,20,23	<b>choice</b> 2714:3	2491:24 2505:3
2559:15	2678:19	2747:11,13	<b>chose</b> 2506:4,5	2521:4 2548:17
2631:15	2686:12	2755:11	2507:19 2519:8	2555:7 2713:5
2642:10	2714:21 2723:7	challenge	2525:5 2526:12	2738:18
2645:17	2749:13	2487:15	2526:20	clearly 2712:2,7
2707:20	2774:23	2755:13,18	2636:20	<b>clients</b> 2496:10
2708:13 2709:6	2776:21	challenges	2642:20 2662:7	2736:8,11
2715:7 2729:19	2777:11	2487:13	2729:3	close 2724:13,14
cast 2479:4	certainty	CHAMBERL	<b>chosen</b> 2486:6	2725:2,20
category 2666:7	2477:13	2462:22	Chouteau 2461:4	2726:6 2773:25
2714:1	2528:20	<b>chance</b> 2665:10	<b>chunk</b> 2498:8	<b>closed</b> 2689:2
caught 2677:15	CERTIFICATE	2716:12	circuit 2539:2	2760:22
cause 2492:25	2784:1	<b>change</b> 2493:23	circumstance	closely 2503:8
2637:1 2674:1	Certification	2522:12	2483:20 2484:4	2512:20,22
2777:5	2499:5	2524:10	2486:23	2513:6,12,13
Cave 2461:13	Certified 2784:3	2541:25	2776:18	2513:14
2462:2 2663:18	<b>certify</b> 2784:4,12	2542:11 2640:6	2777:10	<b>closing</b> 2737:1
2663:21	<b>CFO</b> 2495:9	2640:13,15,23	circumstances	<b>closure</b> 2559:4,5
2672:14	2498:11	2672:23 2680:3	2678:18 2754:4	2593:13
caveat 2722:23	2512:17	2691:23,25	2754:5 2764:15	2594:17,23
CCR 2784:22	2705:20	2749:11	2776:1	2595:1,2,8
CCR-MO	<b>chair</b> 2659:3	2751:12	citations 2519:7	2700:13
2460:23	2664:5,9	2765:11	cite 2630:20	<b>coal</b> 2684:13,15
L	I	I	I	l

	<u> </u>	<u> </u>	<u> </u>	. 1
2684:17	comments	2671:2,4,5,23	2495:15	2659:18 2660:2
2699:24	2544:2 2550:25	2676:5 2677:3	2496:14 2497:3	compliments
coat 2737:24	commission	2681:15,17,20	2498:5 2499:24	2639:24
code 2724:12	2460:2 2478:6	2710:1,4,6	2500:23 2501:5	component
2725:1,18	2480:25 2493:1	2717:23 2718:2	2501:6 2504:5	2592:25
2726:5	2498:25 2500:6	2723:15 2728:8	2504:9,11	2644:12
coexistent	2513:24 2520:3	2749:1,5	2529:8 2585:14	components
2624:20	2521:11	2755:3 2760:1	2595:11	2539:25
COFFMAN	2523:20 2525:3	2763:12,22	2637:17	composed
2462:18	2525:9 2526:2	2764:6	2638:11,20	2714:21
cognitive	2527:6 2559:18	commissioners	2642:5 2663:3	2757:25
2592:18	2592:7,11	2460:18	2666:10 2670:5	computation
<b>Colin</b> 2502:7	2624:14 2641:9	2484:16 2659:9	2682:11 2690:1	2526:24
2673:18 2781:1	2659:7,20	2659:11 2660:7	2700:13	computations
colleague 2751:6	2661:15 2664:2	2665:18	2728:20	2749:17
2766:25	2664:18 2674:2	2731:24 2774:9	2729:19,24	<b>compute</b> 2526:23
collective 2709:1	2683:15 2694:6	commissions	2763:20	computed 2509:8
<b>Collins</b> 2497:4	2695:10	2694:23	company's	2522:9 2526:21
2497:15	2696:21 2697:4	2711:13,20	2637:1 2662:8	computer-aided
Columbia 2461:9	2697:8,18	2712:1 2770:15	comparable	2784:8
<b>column</b> 2718:10	2698:23 2699:2	Commission's	2711:1	<b>concept</b> 2724:1,8
2759:11,16,18	2699:4,8,17,23	2698:13	compared	<b>concern</b> 2483:21
2759:20 2760:7	2700:21	<b>commit</b> 2483:7	2585:22 2634:8	2484:3 2487:11
2760:19	2701:17,18	commitment	2638:13	2548:16
2775:20	2712:3,6,12,23	2481:3 2697:10	2711:10	concerned
<b>columns</b> 2737:6	2713:3,6,8,9,16	2703:17 2704:5	2714:24	2484:14
combination	2713:19 2714:1	2706:9	2776:20	2774:16
2751:14	2714:3,7	commitments	comparison	conclude
combined	2724:15 2725:3	2486:10	2591:2 2683:20	2694:20
2749:23	2725:5 2726:8	2699:18	2685:15 2687:1	concluded
come 2463:3,8,12	2728:24	2702:25 2703:1	2771:2 2774:2	2656:2 2693:23
2488:2 2518:14	2735:24	2703:4,15	2783:10	2728:24
2546:24 2592:7	2737:10	2705:8,13,19	competency	2729:24
2622:4,6	2755:16	2705:23	2737:22	2775:18 2779:5
2624:13	2756:11 2765:9	committed	competent	conclusion
2660:19 2663:4	2765:11 2769:6	2480:22	2659:25	2695:2
2729:7 2747:9	2770:11,14	<b>common</b> 2500:12	competition	conclusions
2764:2 2767:23	2771:14,19	communicate	2638:16	2593:3
comes 2491:15	2775:9 2784:5	2501:24 2502:1	complaint	condition
comfort 2755:25	commissioner	2502:4	2707:12	2515:19
coming 2537:21	2490:24 2491:8	communicated	complete	2772:13,15,18
2767:2	2587:6 2593:16	2486:9	2477:14,18	2772:21,24
commence	2593:17,19	communication	2478:7,17	conditioning
2463:7	2595:18 2626:5	2486:16	2493:19	2487:23
<b>comment</b> 2552:6 2661:23 2676:8	2658:14,17 2662:20,23	<b>company</b> 2460:10,11	completed 2625:18	<b>conditions</b> 2509:23 2512:4
2676:15 2716:6	2665:1 2669:13	2460:10,11		2509:23 2512:4
2070.13 2710:0	2005.1 2009.15	2401.3 2492.3	completely	2312.13
L	-	-	-	-

	1	·	·	1
2530:12	consequences	2724:17 2725:6	contracted	2541:21
2539:21,22	2592:12 2593:3	2726:14	2485:18,18	<b>core</b> 2637:9
2540:2,9,18	conservation	CONSUMER'S	contracting	corporate 2501:5
2638:9 2691:25	2754:1	2462:18	2485:19 2745:4	2663:9,14,24
2702:16	<b>consider</b> 2501:18	consumption	contractors	2664:7,9
2728:12 2729:5	2520:25 2542:7	2551:13	2485:15,22	2666:5 2699:9
2772:11,14	2636:23	2552:12	contracts	2704:23
2773:5,9,13,15	2659:20,23	contained 2464:8	2708:20,21	corporation
2773:19,23	2725:4,5	2488:18	2712:15,23,25	2659:4 2663:12
conference	2735:22	2531:11	2755:17	2663:17
2543:20	2737:21 2769:2	2556:11 2560:2	contractual	corporations
2544:21	consideration	2587:19	2638:19 2696:4	2663:12
2545:22	2485:25	2595:22	contradict	Corporation's
2546:13 2639:6	2520:11	2626:19 2632:4	2538:3	2498:23
2643:18	2524:10 2725:7	2634:18	contributing	<b>correct</b> 2464:2,3
confidence	2761:11 2767:1	2646:24	2746:1	2483:16 2486:4
2693:17,25	considerations	2687:12 2719:3	<b>control</b> 2487:10	2490:15,17
2694:3 2743:12	2755:20	2741:18	2770:12	2493:24
confident 2743:8	considered	<b>contains</b> 2749:17	convened	2495:10,11,16
confidential	2689:15 2730:6	contemplated	2664:16	2495:17,25
2531:2 2546:24	2767:18,20,25	2663:9,13,17	conversation	2496:3,4,6,20
2546:24 2547:4	2768:4 2769:3	contested 2660:1	2701:2	2496:23 2497:4
2549:1 2559:23	2776:18	<b>context</b> 2503:3	conversations	2497:5,18,24
2585:6 2595:12	considering	2555:10	2486:14	2498:13,14
2646:14	2636:16,21	2594:16 2734:9	2513:16,17	2499:2,6,9,12
2685:17,19,23	consistency	2751:5	2520:7 2747:22	2499:13,21,22
2686:3 2689:13	2594:3	contingency	<b>convert</b> 2706:12	2500:23
confidentiality	consistent	2503:21,25	converted	2501:19 2502:6
2747:25	2694:22 2695:3	continued	2522:11	2503:6,7,11,19
<b>confirm</b> 2552:21	2737:7	2724:16	conveyed 2477:6	2504:15,20
2713:15	constant 2711:5	continuing	2644:7	2505:13 2506:1
2756:15,20	construction	2500:6 2692:20	<b>cooler</b> 2488:10	2506:22,23
confirmed	2477:14	2725:10	<b>Cooper</b> 2714:18	2507:3,4,17
2712:13 2713:2	2482:23 2548:8	continuous	2714:20	2509:9,17,20
confused	2549:6	2765:9	cooperation	2510:12,13,25
2624:23	<b>consult</b> 2700:25	contract 2695:11	2485:17	2511:23,24
2640:11	consultant	2695:16 2696:3	cooperative	2512:1,2,11,23
Congratulations	2673:24,25	2702:11	2714:19	2513:4 2514:1
2680:7	2682:13	2706:10 2712:8	<b>copies</b> 2680:10	2514:2,7,8,13
conjunction	consulting	2713:6,13,24	<b>copper</b> 2539:16	2515:12,20
2712:8	2682:12	2714:8 2722:24	<b>copy</b> 2478:17	2516:1,2,16,20
connection	consumer 2550:4	2723:2 2727:10	2541:14	2516:23,24
2638:24 2639:3	2624:9 2668:16	2727:20,22	2552:21,24	2517:5,10,11
conscientious	consumers	2728:19 2730:2	2682:15	2517:14
2700:18	2622:20	2730:6,25	2698:12	2519:10,11
consensus 2516:4	2667:14	2745:3 2749:15	2723:17	2520:4 2521:8
2516:6 2537:23	2723:25	2755:13,23	copyright	2521:11,12,25
	I	I	I	I

2522:1,13,17	2670:11,20	2760:3,10,11	2744:17	2756:6 2784:13
2522:21 2523:9	2672:12	2760:14,22	2750:24 2751:4	2784:16
2523:10,13,14	2673:22	2761:12,18	2753:20,22	count 2486:10
2523:17,21	2683:16,22,23	2762:1,5,21	2754:3,8,8,19	2762:4
2524:8,20,25	2684:4,5	2763:1,15,16	2760:2,4	<b>country</b> 2727:6
2525:7,11,12	2686:21 2691:9	2764:22	2766:13,22	2776:21
2525:16,20	2691:12 2692:1	2766:19	2769:13 2776:1	<b>couple</b> 2541:25
2526:4,6,14,19	2694:12,13,15	2767:13 2774:3	2776:3,6,7,8,11	2667:1 2684:7
2527:2,8,20	2694:16 2695:7	corrected	2776:20	2685:1 2718:23
2528:1,2,4,6,8	2695:13	2623:17 2765:2	2777:15	2734:5 2747:5
2528:11,16,22	2696:23 2697:2	correcting	costs 2523:12	2773:4
2529:1,5,6	2697:3,6,11,16	2776:5	2638:23	course 2511:14
2530:3,16,21	2697:22 2699:1	correction	2684:17	2543:18
2537:5,11,21	2699:6,14,19	2491:9	2706:20,24	<b>court</b> 2462:6
2538:6,16	2699:20 2700:1	corrections	2707:1,4,18	2494:21
2539:9,14,15	2700:2 2701:15	2544:8 2623:20	2708:11 2709:5	2542:16
2539:18,23	2701:21,25	2657:17	2709:12	2552:25 2630:2
2540:10	2702:6,7,10,12	correctly 2500:3	2710:25 2716:5	2630:9 2678:17
2541:12,20	2703:14	2500:17	2716:11	2713:13 2748:8
2542:1,13	2704:20,21	2551:20	2718:12,16	2755:13,18
2543:12 2544:1	2705:6 2706:6	2553:18 2555:8	2741:3 2742:22	courtroom
2544:9,10,24	2706:22 2707:2	2555:9 2694:24	2742:23	2645:19
2544:25 2545:4	2707:9,16	2724:5 2756:14	2748:14 2751:4	cover 2498:22
2545:5,18,19	2708:1,9,23	2770:5	2751:5,6	2670:1,2
2546:13,25	2709:2,3,13	correlated	2752:1 2762:1	coverage 2670:7
2547:5,14,22	2710:15,22	2524:4	2764:1 2765:16	covered 2630:4
2548:1,2,9	2711:10,11	<b>COS</b> 2750:20	2765:16,18,23	<b>co-op</b> 2714:6
2549:23	2712:19 2732:5	2753:9 2759:8	2766:2 2769:6	co-op's 2697:20
2550:17,18	2732:7 2734:13	cost 2483:13	2769:10,24	<b>cramps</b> 2678:3
2551:1,24	2735:20,25	2486:21 2624:7	2770:6,7	<b>create</b> 2748:9
2552:4 2553:1	2736:9,18,19	2624:12 2625:7	2771:5 2774:11	<b>created</b> 2481:15
2554:4,8	2736:22 2737:2	2634:4 2638:12	2774:11 2775:6	2726:9
2555:4 2559:6	2737:15 2738:4	2640:6 2644:10	2776:14,23,24	creating 2639:24
2559:10,16	2738:16 2739:7	2644:25	2777:7 2783:10	creation 2749:10
2585:21,24	2739:10,16,21	2666:17 2667:7	COUNCIL	<b>creative</b> 2690:10
2586:4,5,9,13	2740:3,15,22	2670:2 2683:21	2462:18	<b>credible</b> 2541:23
2587:2 2622:14	2742:1,24	2684:2 2687:1	<b>counsel</b> 2462:8,9	2542:4,6,7,13
2622:21	2746:16	2691:18	2494:10	<b>credit</b> 2484:8
2623:18	2749:17,21,22	2706:24	2548:10,25	2586:10 2631:8
2633:24	2750:1,10	2707:13,19,25	2553:15 2585:4	critical 2626:8
2639:19	2752:21	2708:7,12	2622:8 2658:3	criticisms
2641:10,17,18	2756:17,18,22	2710:13,17,21	2668:17	2519:20
2642:16 2643:4	2756:23,25	2711:9 2715:6	2675:12	2520:20
2644:16	2757:1,3,10,18	2716:4,19,20	2680:25 2683:5	2522:23
2645:22 2646:1	2757:21,22	2718:10,14	2685:10 2689:2	cross 2490:23
2646:4,5	2758:8,9,15	2724:2 2742:19	2727:3 2731:23	2495:1 2626:1
2656:13 2661:2	2759:13,21	2742:21	2733:23 2747:1	2657:22 2658:2
		<u> </u>	l	I

				. 1
2658:4 2665:6	2784:22	<b>cut</b> 2727:16	date 2483:23	2643:21
2665:9 2671:25	<b>current</b> 2550:16	cycle 2504:15,20	2486:6 2493:16	December
2672:3,7	2664:9 2730:10	2505:2,7,13,25	2493:18,20	2498:19,25
2675:11	2735:19	2506:5,10,10	2513:2,6	2645:21
2677:18 2678:9	2739:12,13	2506:13,15,16	2515:2 2520:24	2702:14
2678:13,14,19	2740:18,21	2506:19,24	2740:10	2703:10,22
2680:20,24	2744:7 2748:11	2507:1,5,24	dated 2666:19	2735:11
2682:25 2683:4	2752:25	2509:10,11,19	2784:19	decide 2659:24
2683:9 2690:15	2754:21,23	2509:22	Dauphinais	decided 2646:7
2690:25	2759:22,23	2510:11,15,19	2737:4 2751:7	decision 2484:18
2692:18	2766:13,13	2510:21,25	2766:25 2767:8	2486:24 2506:7
2733:16,19,24	2771:6	2511:3,4,16	2768:22 2769:1	2646:6 2699:2
2734:3 2741:10	currently	2512:15 2517:5	2777:20	2700:18,25
2744:13 2763:9	2717:11	2519:10	<b>David</b> 2462:5	2701:4,7
2766:7 2772:3	2754:19	2729:17	2759:14	decisions
2780:8,12,23	<b>curtail</b> 2486:19	cycles 2512:3	david.woodsm	2500:16 2501:2
2781:10,11,20	2595:7	2517:24 2518:1	2462:8	2592:1
2781:21,22	curves 2511:18	2518:4,18	day 2463:4	deck 2545:2,21
CRU 2501:11,24	<b>cusp</b> 2676:17	2519:4,5	2499:18	<b>decline</b> 2550:21
2502:10 2503:8	customer 2483:1	cyclical 2637:23	2514:24	declining
2503:9 2504:23	2483:5,6	<b>Č-R-U</b> 2673:21	2523:18	2728:18
2505:22 2509:5	2671:20		2540:22	decrease 2640:15
2512:20,22	2693:21,24	<b>D</b>	2631:18	2750:15 2769:9
2513:6,12,14	2695:12	<b>D</b> 2462:22 2463:1	2670:25	decreased
2515:11 2522:8	2706:13,14	<b>daily</b> 2503:14	2691:16 2743:4	2697:16
2525:23	2714:3 2725:22	<b>Dale</b> 2492:20	2743:17	2739:23
2526:20 2527:8	2746:9 2748:15	2780:6	2784:19	2750:11
2527:10,12	2757:25 2777:1	DANIEL	days 2670:25	decreases 2762:6
2528:21	2777:2,3	2460:17	2747:5	decs 2593:9
2537:17	customers	2461:20	day-to-day	2690:4
2540:10,11,13	2540:11	dash 2687:2	2631:21	<b>deep</b> 2484:3
2541:11,19	2550:16	2724:12,13	<b>DB1</b> 2530:23	<b>deeply</b> 2484:14
2542:3,8	2638:18	2725:1,2,19,19	de 2758:6,7	2668:22
2547:23 2548:3	2700:10	2726:6,6	dead 2548:3	defer 2701:8
2549:9 2673:20	2724:19	2736:2,14	deal 2487:13	2733:16
2673:21,24	2725:11	2750:20,20	2667:13	deficit 2541:2
2689:9,11	2726:10,15	2759:16	2732:15 2774:5	<b>define</b> 2510:18
2690:2,3,5,6	2736:21,25	2760:19	2774:22	2510:20
CRU's 2514:17	2737:12 2738:1	data 2501:16,21	<b>dealing</b> 2624:11	<b>defined</b> 2505:13
2515:18	2738:2,21	2501:24	2735:1	2510:24
2525:19 2526:4	2740:12,13	2508:17	dealt 2696:14	definitely
2526:8 2527:2	2745:9 2752:14	2519:12 2687:4	debatable 2709:9	2592:12,17
2527:25	2752:15,17,19	2707:10 2708:5	<b>debt</b> 2484:10	2764:10
2528:10,12	2752:25	2725:23	2490:21	definition
2530:8 2538:1	2753:14	2743:11	dec 2637:11	2509:22
2541:3 2547:24	2760:21 2766:4	2754:13	2639:16,21	definitive
CSR-IL 2460:23	2771:9 2777:5	2775:13	2641:12,16	2592:10 2594:4
	l	l	ĺ	

<b>degree</b> 2542:10	described 2724:9	2514:21	2524:14 2527:7	2760:23
delay 2485:22,24	describes	2593:25 2594:9	2528:12 2656:8	disallowance
<b>delayed</b> 2477:11	2724:12 2725:1	2594:10 2715:6	2656:25,25	2748:17
delivered	2725:18 2726:5	2750:2 2752:3	2665:12,13	2764:16
2718:15,16	describing	2759:22 2761:7	2674:3,15,23	disappointed
demand 2538:12	2525:9	2762:20	2676:8 2678:17	2482:6
2538:13,14	description	2763:24 2776:7	2679:19 2682:4	disclose 2591:23
2539:4,6,13,17	2711:24	differences	2694:18	2593:1
2539:20	design 2624:8,12	2750:12	2695:23	disclosed
2547:17,21	2625:7 2667:8	different 2497:18	2696:13	2477:20
2548:9 2549:6	2729:15	2511:17	2697:24	2631:16 2661:4
2549:15,21	2749:12	2514:20 2516:6	2701:11	2685:25
2550:12,15,21	designed 2711:15	2520:12,13	2702:14 2703:9	disclosure
2551:17,24	details 2751:8	2522:3 2523:12	2705:15	2595:14
2555:14,17	determination	2537:20	2706:18	disclosures
<b>demands</b> 2758:2	2486:8 2723:24	2540:21 2541:8	2711:12	2477:8 2594:22
demonstrate	2726:11	2591:12,17	2714:10 2716:8	2639:14
2504:2	2743:10 2744:6	2594:4 2595:10	2718:4,5	<b>discount</b> 2701:24
demonstrating	determine	2634:11 2680:4	2731:19	2702:2 2714:25
2725:23	2504:19 2505:7	2733:4 2754:9	2732:13	2728:18,20,21
<b>demoted</b> 2691:6	2505:12 2511:2	2761:2,5	2735:14 2739:5	2728:22
<b>denied</b> 2668:8	2512:20 2529:7	differential	2750:7,25	discounts 2693:7
departure	2693:23	2739:18,20	2753:19	discrepancy
2774:15	2714:22 2726:8	2740:11,18,21	2758:12	2594:7,8
<b>depend</b> 2670:24	2775:5	2740:24	2775:23 2780:7	discuss 2703:2,3
2741:2	determined	2762:24	2780:17 2781:2	2751:1
dependent	2522:20 2693:9	differentiation	2781:6,9	discussed
2595:6	2704:13 2729:1	2711:4 2724:3	2782:10,16,18	2529:17
<b>depends</b> 2514:24	determining	differentiator	2782:20,22,24	2593:10
2693:5 2710:12	2752:16	2710:23	direction	2594:20 2699:3
2753:2 2764:15	develop 2505:2	differently	2537:14	2714:14
<b>Depo</b> 2783:3,4,5	developed	2539:1 2777:12	directions	2740:19 2764:6
2783:6	2511:10	difficult 2512:14	2480:24	2768:12
deposition	developing	2528:19	directly 2539:8	discussing
2517:16,17	2625:6 2668:5	2529:19	2722:11	2538:21
2538:22	development	2693:14	2730:14	discussion
2542:21 2543:4	2624:7 2666:7	difficulties	director 2656:22	2477:16
2543:6,14	2667:6 2671:8	2485:4,5	2680:2	2491:19 2498:4
2552:15,21	2671:16	2639:3	directors 2490:4	2559:5 2593:12
2553:4 2678:16	deviation	<b>direct</b> 2486:16	2490:10	2643:12 2678:1
2678:21 2679:2	2519:17	2492:17 2493:2	2500:21 2501:3	2685:11 2703:8
2707:14,23	2750:23 2760:2	2493:6 2502:12	2501:10	2774:8,25
2708:8 2709:10	deviations	2511:21	2663:19	discussions
describe 2524:13	2519:9	2512:25 2513:3	disagree 2502:15	2513:7 2516:11
2696:13	<b>DIANA</b> 2461:11	2513:15 2515:5	2502:21	2516:12 2538:4
2701:12	differ 2637:2	2516:13,16,20	2549:12	2730:9 2748:22
2711:12 2716:2	difference	2520:8,16,21	2552:11 2591:9	dismantled
	l	l	l	l

		1		
2717:21	2732:15	2551:16,23	economist	2707:5 2710:18
disposed 2665:1	doing 2665:8	2676:11,23	2505:16,19	2710:20,22
dispositions	2666:21	2745:20	2510:23	2716:20,21
2639:4	2737:25 2745:7	<b>drop</b> 2481:4	economy	2718:10,14
<b>dispute</b> 2516:9	2745:13	due 2662:9	2555:12	2752:6
disregarded	dollar 2740:9	durables 2550:4	EC-2014-0024	Electricity2687
2511:25	2755:23	<b>DUSTIN</b> 2462:9	2630:4	2783:10
disruptions	2765:18	duty 2479:24	<b>edge</b> 2737:16	elements 2776:9
2631:15	2767:21	2480:4,8,12	<b>edited</b> 2543:19	eliminated
2638:22	dollars 2483:8	<b>d/b/a</b> 2460:10	EDWARD	2512:2 2762:24
dissidence	2684:19 2702:9	2461:11	2462:2	elimination
2592:19	2750:14 2768:6		efdowney@br	2736:7 2749:24
distinction	2768:7 2771:8	<u>E</u>	2462:4	2750:8
2685:18	<b>domain</b> 2713:4	E 2463:1,1	<b>effect</b> 2707:6	Elmo 2494:23
distribution	domestic	2725:19	effective 2740:10	embedded
2526:8 2714:6	2683:21 2687:1	earlier 2486:21	<b>effects</b> 2638:16	2527:3 2742:20
District 2758:8	doubt 2593:24	2491:14 2595:4	2775:15	2742:23
diversity 2715:20	<b>Downey</b> 2462:2	2631:16	efficiency 2754:2	2750:24
dividend 2491:6	2555:24 2556:1	2633:11	efficiently	2754:19 2760:2
2491:6,11	2682:2 2731:17	2645:20,25	2670:23	2760:4 2776:3
dividends	2732:6,10	2690:11	<b>effort</b> 2713:18	2776:7,8,20,23
2490:12,13,19	2733:8,10,11	2702:25 2705:5	<b>efforts</b> 2711:13	employed
2630:3,8	2733:21	2714:14	2713:17	2491:24 2492:3
2772:22	2759:14,17	2731:12	<b>eight</b> 2481:5	2492:21
dnelson@arms	2768:19 2772:8	2761:25	2511:25 2550:8	2656:15
2461:23	2778:11,17	2762:15,19	2716:10	2673:19
<b>doable</b> 2693:2	2782:5	2773:2	either 2502:22	2679:24 2682:9
document 2499:4	downturn 2638:8	early 2485:9	2527:6 2539:8	2682:10,13
2499:16	2638:10	earned 2585:18	2587:8 2641:23	2784:13,16
2542:20,25	downturns	earning 2591:11	2659:12	employee
2545:23 2548:4	2715:15	earnings 2545:3	2711:14,21	2784:16
2552:23 2553:9	downward	2591:3,17,24	2744:20 2774:9	
2555:22	2514:7,12	2592:14 2593:6	elaborate 2676:9	2484:21
2624:19,21	<b>Dr</b> 2508:11	2593:8 2594:20	electric 2460:9	2485:23
2625:9 2667:4	2516:19,22	2636:6 2641:11 Fact 2461:17	2460:11 2461:3	2708:18,25
2667:11,18	2518:16	East 2461:17	2461:11 2685:3	2772:16
2668:5,7,12,18	2656:13,15,24	2462:22,22	2695:18	employment
2668:23 2669:1	2657:21	easy 2749:9	2697:19	2697:11,14
2672:13	2678:16 2691:2	EBITDA	2706:13	2704:6 2705:13
2685:16	2691:3	2644:15	2714:18 2725:6	2706:9
2741:22	drafted 2622:25	economic 2624:7	electrical	encountered
documents	drafting 2671:15	2638:8 2656:22 2667:6 2671:8	2549:25	2485:4,5
2498:12	dramatically	2671:15	electricity 2644:4	2639:3
2543:12 2630:6	2729:18	2676:10	2683:21 2684:2	ends 2500:14
2657:7,10	draw 2509:18	economics	2684:12 2687:1	energy 2462:1
2664:7 2666:6	driver 2551:17	2656:18	2697:2 2703:12	2638:13
2672:10	<b>driving</b> 2539:17	2030.10	2706:19,25	2644:25 2666:8
L	1	ı	1	ı

2666:9 2669:24	2486:22	2670:10	2780:13,14,23	2542:20,21,25
2700:10	essentially	Ex 2783:3,4,5,6	2781:2,10,11	2543:1,3,4,5,6
2723:24	2506:14 2716:3	exact 2520:24	2781:14,15,16	2543:18
2724:17,19	2749:24	2594:11,14	2781:20,21,22	2544:12 2545:1
2725:10,22	establish 2505:25	<b>exactly</b> 2509:18	2782:1,2,3,4,5	2545:2,4,7,20
2741:3 2767:14	2509:23	2552:5 2625:2	Examination/Ms	2546:2,10,16
2769:2	2711:21	2753:6	2780:17 2781:6	2547:10,18
engineering	2712:18	exaggerated	2781:9,17	2548:15
2754:2	established	2716:17	examine 2665:6	2550:23,24
<b>England</b> 2461:17	2530:6 2686:17	examination	<b>example</b> 2496:25	2585:2,7
<b>ensure</b> 2713:12	2695:17	2492:17 2495:1	2502:1 2507:13	2630:5 2641:12
enter 2755:17	2713:16	2586:20	2539:11	2642:16
<b>entered</b> 2480:16	2727:22	2593:18 2626:1	2559:13 2717:1	2644:18 2657:7
2661:8	estimate 2526:4	2631:5 2656:8	2744:16	2671:8 2674:13
enterprise	2527:8 2537:21	2657:22 2658:2	examples	2686:23 2689:2
2522:5,18	2693:12,18	2667:2 2669:12	2631:19	2689:3,5
2523:3,4,7	2744:7 2745:14	2671:3 2672:7	exceeded	2698:7,11,17
2555:21	estimated 2670:7	2673:14 2676:4	2697:21 2699:6	2714:9 2718:4
2559:17	EU-2014-0258	2677:18 2678:9	2699:16	2723:17
<b>entire</b> 2478:18	2460:10	2678:13,14,19	<b>exceeds</b> 2704:11	2731:24
2498:20	evaluate 2512:17	2679:19	excerpts 2478:17	2732:11,22
2507:25	2775:17	2680:20,24	excess 2697:19	2741:12
2693:24	evaluated 2751:6	2682:4,25	2726:8,12	2746:22
<b>entirety</b> 2478:23	evaluating	2683:4,9	2758:2	2749:16
<b>entitled</b> 2643:23	2659:7	2690:25	Exchange 2478:6	2756:12 2759:5
<b>entity</b> 2663:10	evaluation	2692:18 2710:5	2498:25 2500:6	2759:9 2763:11
environment	2771:10	2718:1 2723:12	2500:25	2775:2 2778:8
2487:7	2775:21	2727:1 2733:17	<b>exclude</b> 2739:6,9	2778:12
equal 2734:21	event 2543:23	2734:3 2741:10	Excluding	exhibits 2494:2
2761:16	2544:1 2699:12	2744:13	2585:20	2508:1 2542:16
equipment	2744:23	2747:12 2749:4	<b>excuse</b> 2691:4	2543:8 2630:4
2633:12	2784:11	2755:6 2756:7	2705:5 2742:14	2630:22 2636:8
2697:14	events 2526:13	2759:3 2766:7	executive	2674:5 2675:5
<b>equity</b> 2728:17	2539:3 2544:5	2768:18 2772:3	2684:16	2680:11,19
2754:1	2636:25	2784:14	executives	2682:17,24
Ernst 2497:19	<b>eventual</b> 2529:12	EXAMINATI	2537:24	2731:18 2782:8
<b>error</b> 2525:15	everybody	2763:9	<b>exempt</b> 2739:14	exist 2478:9
ER-2010 2687:2	2737:7 2775:18	Examination/	2766:1	2661:24
ER-2012-0166	<b>evidence</b> 2544:13	2780:9,20	exempted 2765:7	<b>existing</b> 2586:3,8
2734:7	2545:7 2546:16	2781:23	exemption	2586:12
ER-2014-0258	2630:7,17	Examination/	2622:13 2624:1	2749:12
2463:5	2659:25	2780:10,11,21	exercise 2729:4	<b>expand</b> 2766:10
escalated	2661:19	2780:22 2781:3	exercised 2723:3	expanded
2769:16	2738:16 2759:6	2781:12,13,24	exhibit 2477:4	2724:16
escalator 2740:2	Evidentiary	2781:25	2478:13	<b>expect</b> 2542:9
2740:7,15,25	2460:4	Examination/Mr	2481:20 2493:5	2679:9
especially	evils 2517:13	2780:4,7,8,12	2512:7 2542:17	expectation
	I	I	I	I

2640:24	2539:3	2501:8 2515:22	2683:24 2684:8	fiduciary
expectations	extruders	2552:12 2595:4	2701:9 2711:19	2479:24 2480:4
2639:1	2496:10	2752:23	2713:22 2718:6	2480:8,11
expected 2486:7	<b>eyes</b> 2478:2	2753:13 2777:9	2772:10	<b>fifth</b> 2638:2
2513:25	<b>e-mailed</b> 2667:19	factored 2515:11	fan 2463:24	<b>figure</b> 2504:14
2541:25	2672:13,14	2718:16	fans 2463:19	2665:4 2677:20
2724:18		factoring	far 2463:22	2766:12,15
expenditures	Fores	2718:12	2538:5 2718:10	2767:21
2523:15 2633:2	F 2462:2 2726:6	<b>factors</b> 2523:11	2771:16	<b>figures</b> 2523:19
2633:4 2772:19	FAC 2736:7	2537:9,12,13	<b>farther</b> 2693:16	2747:3 2766:11
<b>expense</b> 2710:19	2739:6,6,10,12	2537:17	2746:13	2767:8
expenses 2631:12	2739:19	2591:23	<b>fatal</b> 2625:14	<b>file</b> 2460:10
2631:14 2633:3	2748:16	2592:16 2593:1	<b>favor</b> 2776:1	2624:22
expensive	2749:24 2750:8	2593:4 2639:13	favorable	2659:19
2633:19	2750:15	2642:24 2646:2	2539:21,24	2737:23 2740:4
experience	2752:25	2725:4,9	2540:1 2551:12	<b>filed</b> 2493:1
2495:8,22	2753:13	<b>faded</b> 2551:2	favorably 2500:2	2513:2,15
2510:21 2691:8	2758:12,13,20	<b>failed</b> 2697:13	<b>Fayne</b> 2682:1,8,9	2516:19,22,23
2691:14	2764:12,21,23	failures 2485:9	2682:14	2520:20 2521:1
<b>expert</b> 2501:18	2765:16 2766:1	fair 2491:3	2683:11	2623:16
2526:10	2769:16	2495:20,23	2686:22 2691:2	2624:11
2530:11 2691:7	face 2481:5,6	2497:15,16	2691:4 2695:21	2625:13 2643:8
2771:23	2771:9	2498:2,9	2696:10	2645:21
experts 2529:13	facilities 2716:1	2500:7 2505:8	2698:10	2661:10,25
2530:3	facility 2477:8	2505:17,18	2703:21	2662:13
<b>explain</b> 2592:18	2484:8 2487:1	2511:4,14,15	2705:10	2663:20,21
2594:6,9	2487:8 2595:7	2514:18 2515:8	2709:16,20	2668:7,25
2689:8 2727:17	2595:9 2631:18	2515:9 2516:7	2710:7 2723:14	2672:10,15,17
2753:6,22	fact 2482:4	2519:24	2727:3 2742:10	2672:20 2674:2
2769:5 2771:1	2484:17	2521:21,22	2781:8 2782:18	2687:2 2702:13
2775:9	2500:22	2522:6 2523:20	2782:19	2703:10,22
explained 2728:9	2501:21	2550:12 2559:4	Fe 2462:23	2705:5,16
2768:1 2778:8	2502:12 2503:4	2585:14	February	2718:4 2731:22
explaining	2510:20	2591:18 2665:4	2541:13	2734:10,15
2658:23	2514:15 2516:3	2772:6,7	fee 2689:10	2738:8 2750:13
explicitly 2704:7	2517:12	2774:21,23	feel 2463:24	2750:16
2705:8	2519:14 2540:8	fairly 2498:3	2549:1 2551:12	2761:25
explore 2686:12	2548:19	2710:25	2679:10	2764:18
explored 2684:24	2550:14 2559:8	2726:13	<b>feeling</b> 2679:12	filing 2498:24
expose 2487:14	2559:13	fairness 2510:14	feet 2487:9	2630:13,14
expressed 2637:3	2593:24	faith 2480:17	fell 2729:18	filings 2690:3
extend 2765:13	2672:19,23	2481:1	felt 2480:19	final 2511:22
extent 2478:18	2712:25 2722:7	falls 2713:25	2748:7	2665:10
2699:15	2752:24	familiar 2498:6	FERC 2723:5	2698:13
exterior 2497:11	2765:25	2502:7 2667:4	Ferndale	finally 2543:5
exterior 2497.11 extra 2661:17	2766:20	2668:1 2671:9	2715:25	2546:9 2668:12
extra 2001.17 extraordinary	factor 2500:8	2671:11	fetch 2751:14	2726:4
CALL AUTUILIAL Y		20/1.11	16tCH 2/31.14	∠/∠U. <del>↑</del>

2483:19	2507:11,13	<b>forced</b> 2729:20	2550:2 2636:16	2741:12
financial 2483:20	2509:19,20	Ford 2539:11	2636:22,24	2755:24
2492:24 2499:5	2510:5 2530:21	<b>forecast</b> 2514:17	2637:3,13,14	<b>FSC</b> 2739:15
2669:18 2715:2	2689:25	2515:12,16,18	2637:21 2638:7	2765:6
2715:14	2692:21,24	2517:13 2521:7	2639:18	fuel 2737:8,8
financially	2761:18,23	2525:19 2526:4	2642:19	2739:23
2784:17	2762:14	2526:8 2527:2	2665:24 2678:6	2748:13
financing 2483:9	<b>fix</b> 2487:22	2527:3,12,14	2744:25	2750:11
2483:21,24	2516:18	2527:25	2745:22	2752:13
<b>find</b> 2551:4	<b>fixed</b> 2670:2,6	2528:13,21	2767:14,15	2761:24 2762:1
2553:8 2594:3	2774:11	2529:14,19	2769:2	2762:8 2769:6
2625:14	<b>flat</b> 2550:12	2530:1,5,7,8,10	<b>found</b> 2639:20	2769:10,13,24
2690:10	flexibility	2537:17,25	2643:3 2646:2	2770:6,9,9
<b>finding</b> 2716:7	2729:16	2538:1 2540:20	2674:23	fulfill 2638:20
<b>findings</b> 2725:25	flip 2553:4	2541:4,11,14	foundation	<b>full</b> 2492:19
fine 2556:6	flow 2526:13	2542:3 2549:10	2483:6 2686:17	2585:16
2587:7,8	2642:10	2692:24	<b>four</b> 2490:10	2673:16
2623:8 2662:24	2645:17	2744:16,19,21	2497:21,22	2676:17
2665:15	2752:12	2745:14,24	2542:16,17	2679:21
2678:11 2679:7	<b>flowing</b> 2748:14	2746:6,8,14	2548:8 2549:7	2714:24 2715:1
2769:1	<b>flu</b> 2677:15	forecaster	2550:1 2713:21	2716:3 2723:22
<b>finished</b> 2484:25	fluctuations	2676:11	2714:12	2753:20
2778:17	2638:11 2725:7	forecasting	2729:14	2754:18
<b>fired</b> 2684:18	focus 2481:3	2496:24	2754:18,21,25	fully 2591:22
firm 2496:5	2516:11	2497:13	2760:5,10,16	2684:14
2497:18	2520:16	forecasts	2764:25,25	2750:24
2501:15	2538:24	2501:16	2765:1,2	2776:23
firms 2540:12	2694:18	2503:10,13,15	2766:14	<b>full-time</b> 2505:19
<b>first</b> 2477:10	2710:17,20,22	2521:5,11	2775:12	<b>function</b> 2763:19
2480:16,18	2763:2	2530:13,14	fourth 2543:20	<b>fund</b> 2631:12
2481:6 2485:1	<b>foil</b> 2550:12	2541:9,19	2586:11 2591:3	2699:24
2486:7,11	<b>folded</b> 2769:10	2547:23 2693:3	2636:7 2639:18	fundamental
2491:11,12	2769:14	2767:15	2640:4 2642:13	2541:4 2551:17
2504:13,16	folks 2544:6,7	foremost	2643:17 2645:4	2744:21
2509:20 2510:5	follow 2495:7	2480:16,18	2683:15,18	fundamentally
2519:9 2553:8	2516:10	<b>forgot</b> 2622:25	2694:5	2662:7
2625:22 2631:7	2550:16	forgotten	frame 2520:17	fundamentals
2634:10	2553:10	2773:10	frankly 2487:12	2555:18
2636:10	2723:14 2727:6	form 2483:6	2491:18	<b>funny</b> 2676:13
2666:24 2684:7	following	<b>formed</b> 2663:18	2622:25 2693:6	<b>furnace</b> 2633:12
2702:1 2718:22	2553:14	<b>former</b> 2684:16	free 2463:24	<b>furnaces</b> 2633:15
2727:8 2735:17	2554:17	formula 2521:24	2549:1	2633:17,18,20
2737:6 2748:5	2744:15	Forsyth 2461:21	Friday 2660:19	2633:23
2763:12	2755:10	forth 2494:23	front 2498:22	<b>further</b> 2512:1
firsthand 2717:2	<b>followup</b> 2679:1	2725:25	2543:8 2548:23	2548:20
2717:4	<b>foot</b> 2739:6	<b>forward</b> 2463:8	2592:7 2624:13	2586:16
<b>five</b> 2507:1,5,7	force 2487:14	2491:17 2523:3	2723:18	2630:25
L	<u> </u>	I	I	l

2671:23 2677:3	generally 2587:6	2716:20	2480:1 2484:7	2626:3,4
2678:16	2684:9 2689:12	globalization	2484:9 2485:14	2656:10
2692:16	2706:19	2510:24	2485:16 2488:2	2669:16 2671:5
2709:15	2757:25	<b>globally</b> 2537:13	2488:8 2490:22	2676:6,7
2717:23 2722:2	2772:12	2539:22	2491:2 2494:22	2683:11,12
2723:10	generate 2511:12	2540:19	2494:22	2691:2 2710:7
2726:21 2731:3	2714:17 2715:7	<b>go</b> 2480:7	2498:18	2710:8 2747:14
2741:6 2744:10	2728:23	2485:13 2487:9	2506:19,20,21	2747:15 2749:6
2747:7 2755:3	generated	2487:18	2507:2 2510:4	2749:7 2755:8
2758:25 2763:6	2511:17	2488:14	2510:4 2514:10	2755:9 2756:10
2766:5 2768:15	generation	2491:17 2531:3	2515:25	2775:5
2784:12,15	2714:15	2531:5,8	2519:15 2526:3	goods 2725:8
<b>future</b> 2491:18	generic 2718:3	2546:23	2529:5,20	<b>gotten</b> 2771:3
2503:19	generous	2550:24 2556:4	2531:3 2539:12	governor 2712:9
2519:16 2529:5	2762:12	2556:8 2559:22	2539:13	grant 2527:11
2529:15	<b>getting</b> 2644:11	2585:1,5	2542:15,19,25	<b>granted</b> 2766:17
2585:14	2693:11	2587:10,13,15	2548:17,19	<b>graph</b> 2510:3,4,8
2636:24	2752:20	2592:5 2595:19	2549:22	2556:1,2
2643:13 2677:1	<b>GI</b> 2678:3	2625:22	2551:24 2552:7	<b>graphs</b> 2522:4
2693:13	give 2477:23	2626:16	2552:20	2530:21
2739:10,11,17	2483:17	2631:24	2553:12 2556:3	great 2694:2
2740:2 2744:24	2484:23	2634:15 2639:8	2556:4,6	2714:25
2745:18	2512:16	2642:23 2643:8	2559:22 2587:3	greater 2541:24
2765:12	2518:22	2646:10	2587:9 2593:23	2542:9 2739:20
2766:18,23	2520:10,13	2666:23 2670:3	2626:14	2752:2
2767:22 2768:4	2637:8 2677:23	2670:7 2685:13	2631:23	green 2514:22,22
2768:6,7	2678:2 2711:23	2686:12,13,17	2639:17 2642:1	2515:17
2769:2 2770:15	2716:12	2687:7,9	2642:5,7,23	2519:15
future's 2768:13	2727:16	2690:10	2665:2 2671:6	2527:22,24
<b>F-1</b> 2718:8	2728:24 2751:7	2693:17 2701:4	2676:22,25	group 2538:5
G	2753:19	2714:4 2718:22	2678:5 2679:13	2545:21 2646:7
$\frac{\mathbf{G}}{\mathbf{G}}$ 2463:1	2778:18	2718:24 2725:17 2726:4	2685:9,12,19	2667:14
gas 2631:13	given 2483:20	2731:9 2732:9	2689:25	2668:21 2700:9
2695:18	2510:21 2689:22		2714:10 2715:23 2718:5	2711:7
gathered	2691:16 2697:6	2733:10,16 2746:14	2732:8 2746:6	<b>grow</b> 2550:15 2740:14,25
2504:25	2704:2 2708:20	2740:14	2748:2 2752:19	growth 2548:9
2545:15	2776:12	2749.13	2754:3 2755:12	2549:14 2550:1
general 2491:5	gives 2640:5	2764:13	2756:19 2759:6	2550:5,9
2622:1 2636:4	giving 2518:24	2765:16	2760:19 2759:0	2551:12
2636:19 2638:8	2524:10 2660:3	2769:24	2768:13 2772:1	2639:24
2689:16	2714:23 2778:6	2778:25	good 2480:17	guarantee
2700:12,20	glad 2691:4	goals 2725:24	2495:3,4	2699:10 2706:8
2701:4 2711:23	global 2480:21	goes 2517:8,9	2498:8 2539:5	guess 2497:21
2724:7 2755:14	2480:22 2540:2	2756:25 2757:3	2549:14	2531:6 2548:22
2756:24 2757:2	2540:9 2555:11	2757:9	2586:22,23	2660:11 2665:3
2757:18	2715:19	going 2463:25	2593:20,21	2689:13
			<u> </u>	

	1	1	1	1
2750:19 2753:2	2696:16,21	2718:4	2708:13 2709:6	2715:4,10
2756:13,16	2717:6,7	HC/NP 2782:17	2711:24	<b>Holy</b> 2715:3
2757:8	<b>happen</b> 2477:17	head 2486:10	2714:17	honor 2463:9,12
guys 2591:16	2478:6 2591:23	2623:7	2715:20	2464:2,5
2625:10	2595:11 2626:7	healthy 2550:6	2757:23	2478:12,16,25
<b>gypsum</b> 2496:15	2642:1,5,7	hear 2540:11	<b>helpful</b> 2494:24	2479:15
2496:17,18,25	2645:5,9,13,16	2658:25 2678:4	2659:6	2486:10
	2676:25 2752:6	2740:16	helps 2549:21	2487:16 2488:4
H	2752:10 2764:7	heard 2501:11	2638:3 2670:2	2488:12 2492:4
<b>H</b> 2759:11	2769:18,25	2510:25 2511:1	Henry 2682:8	2492:16 2494:1
<b>HALAG</b> 2780:16	2774:17	2513:11	2781:8	2494:8 2498:15
half 2552:15	happened 2661:6	2520:21,23	hereto 2784:17	2531:6,7
2631:18	2661:12	2543:25 2559:6	herring 2491:19	2542:15,24
2761:18,23	2676:20,24	2664:12	hey 2525:3	2543:2 2544:11
2762:15	2728:11	hearing 2460:4	<b>Hi</b> 2669:15	2544:17
halfway 2551:8	2753:10	2463:2,5	high 2509:12,19	2545:10 2546:6
Hall 2460:17	happens 2741:2	2494:6 2544:18	2716:11,21	2546:19
2593:16,17,19	2751:13 2753:3	2545:11 2546:7	<b>higher</b> 2483:17	2552:18
2595:18 2626:5	2753:3,4,7	2546:20	2483:18	2586:15
2658:16,17	happy 2478:22	2591:13,18	2539:22	2595:15 2630:1
2662:18,20,23	hard 2518:20	2645:20 2658:1	2753:15 2760:5	2631:3,24
2671:2,4,23	2765:18,23	2661:7,8	2763:18	2634:13
2676:3,5	<b>Harris</b> 2678:6	2664:18 2675:8	2771:11,20	2646:10
2677:3 2681:16	2679:23,24	2680:23 2683:3	highly 2463:11	2657:20 2673:2
2681:17 2710:3	2781:5 2782:20	2690:14	2524:4 2531:1	2673:6,10,13
2710:4,6	2782:21	2698:20	2546:23 2547:3	2675:4,9
2717:23	Haslag 2656:6,12	2778:15 2779:5	2549:1 2559:23	2677:9,14,24
2723:15 2728:8	2656:13,15,24	hearings 2664:16	2585:5 2595:12	2678:2,11,12
2749:3,5	2782:22,23	2664:21	2646:13	2678:25
2755:3 2756:11	Haslag's 2657:21	<b>heavier</b> 2737:24	2685:17,18,23	2679:15
2760:1 2763:12	hat 2481:5	hedging 2745:5	2686:3	2680:18
2780:10,22	Hawesville	<b>held</b> 2464:7	historical 2508:4	2682:23 2683:8
2781:3,12,24	2685:2,3	2488:17	2526:22,25	2685:22
HAMPTON	2695:6,8,15	2531:10	2640:18 2767:9	2686:20 2687:7
2462:13	2696:2 2727:9	2556:10 2560:1	2767:10,11,13	2689:8 2690:22
hand 2498:18	<b>HC</b> 2463:11,15	2587:18	<b>history</b> 2484:24	2697:13 2698:6
2552:20 2644:4	2488:13,14	2595:21	2495:8 2501:5	2698:16
2667:22	2494:3 2531:5	2626:18 2632:3	2519:18,22	2732:20 2734:2
<b>handed</b> 2657:4	2548:19 2556:5	2634:17	2522:10	2759:2 2768:16
2680:11	2559:22,25	2646:23 2678:1	hit 2670:16	hope 2676:9
2682:16	2595:16,19	2685:11	2693:19	2684:25
<b>handle</b> 2734:11	2631:24	2687:11 2719:2	hold 2640:10	2762:13
<b>handled</b> 2735:2	2634:13	Hello 2669:14	2656:19,21	hopeful 2486:25
Hanes 2495:18	2646:10	help 2508:7	2667:16	hopefully 2488:8
2495:19,21	2657:11,23	2551:24 2670:1	2686:16	2488:10
<b>hanging</b> 2769:15	2689:4,18	2700:13	<b>Holding</b> 2498:23	2679:10 2779:1
Hannibal	2690:9,12,12	2707:20	<b>Holly</b> 2714:17	<b>hoping</b> 2678:4
		<u> </u>	<u> </u>	<u> </u>

hotel 2678:4	2662:25	2708:13 2709:6	2771:8,21	2498:1 2505:1
hour 2751:9,10	2663:11 2664:5	improvement	2777:6,6	2530:12
2777:18 2778:2	2664:8 2665:12	2640:7	increased	2539:19
hourly 2708:18	2665:14 2673:6	improvements	2640:14 2697:1	2637:24 2691:8
hours 2670:25	2679:20	2591:24,25	2748:10	2691:15
2739:13	2680:18 2682:5	2644:10	2761:15 2770:6	influence
huge 2487:6	2682:23	inappropriate	2770:7	2499:24 2500:7
2670:2	2685:22 2686:4	2478:3	increases	2500:16 2501:2
Humphreys	2689:7 2727:2	<b>inclined</b> 2678:17	2769:21	2501:7,9
2508:11	2731:3 2780:17	2686:12	incremental	information
2510:18	2781:6,9,17	<b>include</b> 2528:18	2481:24	2477:6 2504:25
2512:14	<b>imagine</b> 2706:16	2530:20	2483:24	2504:25
2516:19,22	2745:3,25	2644:11 2690:3	2728:22 2751:4	2505:21 2506:6
2518:17	<b>impact</b> 2484:1	2704:4,16,17	2751:4 2775:6	2511:2 2512:18
hundreds	2524:11	2706:7 2764:19	2776:12,24	2516:9 2525:24
2684:18 2702:9	2537:10 2539:9	<b>included</b> 2525:23	2777:7,15	2528:23
HWF-1 2684:3	2585:17	2527:3 2640:24	incurs 2710:19	2636:15 2638:5
2685:15	2631:16,17	2644:9 2646:7	independent	2644:6 2676:17
<b>hydro</b> 2716:1,4	2644:5,15	2657:14	2490:9 2500:24	2676:19
hydroelectric	2711:4 2732:1	2680:15	independents	2685:14,15,17
2701:19	2735:23 2736:5	2682:20	2490:11	2685:24 2686:2
hypothetical	2736:7,17,21	2705:22	index 2729:15	2686:9,9
2503:19 2746:3	2739:11	including 2490:5	2780:1	2689:8,10,12
	2740:12	2525:10 2638:9	<b>indexes</b> 2744:22	2689:19,23
I	2753:14	2770:9 2775:14	indicated	2690:2,4,5,6
ice 2485:8	2756:17,21,25	income 2622:12	2633:11	2725:23
idea 2505:24	2757:2 2758:6	2624:1	2700:17 2705:3	2741:17
2670:21	2758:7,13,20	<b>incomes</b> 2542:17	2716:18	2743:20 2744:8
2717:15	2760:13,21	inconvenience	indicates	2767:10,11,12
2753:17	2770:1	2678:16	2477:10	2768:4
identified 2543:3	impasse 2481:23	incorrect	indicating	<b>inherent</b> 2482:15
2633:11 2637:5	2482:9	2693:20	2643:6	2712:17
2642:25	<b>implicit</b> 2515:16	2746:10	indifferent	initial 2713:17
2645:20 2705:8	2528:15	increase 2460:10	2481:18	initially 2672:5
2707:12 2708:6	important	2539:13	indirectly 2539:8	2705:17
2755:11	2506:10	2640:15	individual	<b>inputs</b> 2523:23
identify 2478:5	2636:25	2670:12	2531:4	2537:20
2543:16 2666:2	2662:15	2734:22,25	industrial 2462:1	2666:19
2746:22	2669:25 2715:5	2735:5,23	2723:25	<b>inquire</b> 2673:12
2759:11	<b>imposed</b> 2702:17	2752:17,20	2724:17,19	2679:18 2722:1
ignore 2520:8,19	2730:21	2757:5,17	2725:11,22	inquiring 2722:5
Iles 2461:12	imposition	2761:11,25	industrials	2742:10
2656:9 2657:20	2724:14	2762:4,7,11,25	2670:15	insisted 2713:3
2658:22	impossible	2763:14,19	Industries	<b>instance</b> 2716:10
2659:10	2693:15	2766:17 2769:9	2539:16	insufficient
2660:17,22	improper 2660:2	2769:10,23	<b>industry</b> 2495:22	2728:20
2661:2,5	<b>improve</b> 2707:20	2770:3,9	2496:22 2497:9	2729:25
	<u> </u>	<u> </u>	<u> </u>	l

integrated	2702:8	2671:7 2713:23	2544:14,18	2692:17 2698:8
2684:14	investment	2731:2 2737:8	2545:8,11	2698:18
intelligence	2638:21	2755:22	2546:3,7,17,20	2709:17,25
2501:15	2704:19	2767:19	2552:19 2556:8	2710:3 2717:25
2530:12	2705:13 2706:9	issued 2735:11	2559:1,25	2718:20,25
2540:12	investor 2544:7	issues 2491:4	2586:17 2587:6	2723:11
<b>intended</b> 2728:23	2544:21 2690:5	2497:23	2587:15	2726:22 2731:4
2729:23	investors 2502:2	2624:13 2625:7	2593:16 2622:1	2731:9,14,17
2730:21	2543:21	2625:8 2638:23	2622:6 2625:17	2732:3,8,12
intensive	2544:23 2545:3	2660:1 2705:15	2626:16	2733:6,10,15
2555:12	2548:5,7	2774:15	2630:11,14,17	2733:22,25
2700:10	2549:6 2550:14	item 2644:3,24	2630:19 2631:1	2741:8,9
2723:25	2550:20 2554:4	items 2477:22	2631:25	2744:11 2747:9
2724:17,19	2591:11	2585:20 2644:1	2634:15 2636:3	2749:3 2755:5
2725:11,22	2592:20 2593:2	i.e 2638:22	2646:11,16,21	2756:4 2759:1
<b>intent</b> 2703:1	2593:10,25		2656:1,5	2763:7,8
2705:18	2595:1	J	2657:23 2658:2	2766:6 2768:17
interest 2638:9	<b>involved</b> 2667:12	<b>J</b> 2725:19	2658:5,7,10,12	2772:4 2778:11
2686:5	2668:11,13,14	<b>JAMES</b> 2461:7	2658:16,18,22	2778:13,18,21
interested	2668:19,22	<b>January</b> 2541:12	2659:8,13	2778:24
2669:23	2671:14 2698:1	2705:5	2660:6,14	<b>judgment</b> 2701:9
2784:17	2727:10,21,21	<b>Jefferson</b> 2460:6	2661:16	2724:15
interesting	2730:14 2734:6	2461:18 2462:3	2662:18,22	2777:20
2714:2	2776:14	2462:7,10,15	2664:11,14,22	judgments
interests 2726:14	involvement	2664:17 2784:6	2665:7,13,20	2512:19
interface	2667:10	<b>job</b> 2495:8,14	2665:24 2666:1	judicial 2630:2,9
2748:21	involves 2727:9	<b>jobs</b> 2702:5	2666:22	<b>jumping</b> 2636:1
<b>interior</b> 2497:10	involving	<b>JOHN</b> 2462:18	2667:24 2671:2	<b>June</b> 2482:21
internal 2505:1	2698:13	<b>Joseph</b> 2656:12	2671:25 2672:6	justification
2516:3,6	in-camera	2780:16	2673:3,8,12	2751:1
2537:23 2538:5	2464:7 2488:17	<b>journey</b> 2486:12	2675:6,11,14	
internally 2542:8	2531:9,10	<b>judge</b> 2460:15	2675:16,18,21	K
International	2556:8,10	2463:3,14,18	2675:23 2676:3	keep 2592:2
2673:20	2560:1 2587:3	2463:23 2464:3	2677:5,10,17	2593:7 2711:15
interpretation	2587:10,16,18	2477:1 2478:14	2677:21,25	2728:14 2729:2
2548:21	2595:21	2479:3,6,12	2678:7 2679:7	2776:5 2777:1
interpreted	2626:16,18	2480:5,9	2679:13,16,18	keeping 2595:6
2514:5	2632:3 2634:17	2487:18,21	2680:21 2681:3	Ken 2461:12
interrupt 2549:2	2646:23	2488:1,6,14	2681:5,7,9,11	2531:1
<b>interval</b> 2692:12	2687:11 2719:2	2491:2 2492:5	2681:14,16,19	Kenney 2460:16
2744:4	issue 2482:10	2492:9,14	2681:21 2683:1	2460:17
introduce	2487:4,6	2494:3,9,12,14	2683:7 2685:21	2463:22 2491:8
2733:13	2491:21	2494:17,19,20	2686:8,11,15	2586:21 2587:7
introducing	2591:15	2494:24	2686:19,21	2587:11
2731:18	2622:12 2623:4	2498:17 2531:5	2687:8 2689:1	2622:10,16,19
invalidate 2748:8	2623:5 2624:24	2531:8 2537:1	2689:20 2690:8	2622:22 2623:1
invest 2699:18	2663:5 2665:1	2542:18,23	2690:17,19,23	2623:8,12,15
	l	I		l

2623:22,25	2486:15	2499:12,14	layoff 2484:17	2545:20
2624:5,15,23	2487:11,11,12	2515:21 2540:9	layoffs 2484:16	2547:15,16,17
2625:3,10,15	2491:17	2666:18	2485:1,24,25	2555:20 2559:3
2658:15	2497:20 2504:1	2755:21	lead 2666:8	2587:13
2660:10,15,20	2506:12,13	<b>KPMG</b> 2496:2,8	leaders 2516:5	2595:18 2622:6
2660:25 2661:3	2508:3,16,16		lease 2656:11	2622:14 2631:7
2663:6,13	2508:20,21	L	leave 2699:21	2633:1 2636:10
2664:3,6,25	2510:8,9	L 2460:15	leaving 2771:17	2642:12
2666:25 2667:3	2511:10	2461:16	<b>LED</b> 2623:10	2644:17
2667:22 2668:1	2512:17 2515:1	labeled 2555:23	left 2463:5	2656:25 2689:3
2669:9,13	2517:19	labor 2638:22,23	2482:5 2529:13	2714:17 2723:1
2671:5 2676:1	2526:16 2529:2	2708:6,12	2644:4 2715:25	2724:11,25
2681:13,14,15	2540:7 2541:1	2709:12	legal 2730:25	2725:17 2731:9
2709:20,23,25	2541:5,20,23	lack 2712:1	legislation	2745:3,25
2710:1 2747:13	2552:5 2592:5	lacked 2504:9	2700:6 2712:15	2768:20
2749:1 2780:9	2593:6 2625:16	2528:14	2712:16	level 2483:17,19
2780:20,21	2626:11,13	lag 2676:18	2713:14	2485:11 2630:3
2781:23	2660:16	language	2725:25	2640:14
Kenny 2658:14	2661:20	2623:18	2729:13	2697:15 2699:6
Kentucky	2672:16,18,25	large 2487:8	2755:15,25	2704:6,12
2694:15 2695:5	2676:24,25	2670:23 2736:8	legislative	2708:16 2724:1
2695:9 2696:1	2684:23	2736:25	2712:22 2713:2	2724:3 2739:13
2711:13	2705:10	2737:12 2738:1	2725:24	2750:13
2713:23,23	2706:10	2738:21	legislature	levels 2697:11
2714:3 2727:8	2709:14	2740:11,12	2700:7 2713:14	Lewis 2461:7
kept 2697:4	2715:19 2716:2	2757:2,18,20	2723:25	life 2633:17,21
<b>KEVIN</b> 2462:13	2717:10 2724:7	2757:24 2758:1	2755:24	<b>lighting</b> 2623:10
key 2551:17	2724:10,22	2777:11	length 2504:14	2758:3
2585:11 2639:1	2725:14 2726:1	larger 2483:22	2504:19 2505:7	likelihood
2644:12	2726:18,20	2634:12	2505:13 2506:5	2594:18
killing 2478:19	2730:5,12,23	2715:13	2506:10,10	likewise 2496:7
kilowatts 2758:2	2732:11	2771:18	lessor 2517:13	2497:23
kind 2482:15	2734:14,17	largest 2480:19	2670:9	2500:19
2487:15 2522:4	2736:3,14	2707:13 2708:7	<b>letters</b> 2559:11	2549:25
2660:4 2665:1	2745:15,17	2710:21	let's 2463:3	<b>limited</b> 2540:9
2676:13	2748:22	lasted 2729:14	2479:10,17	2703:22 2740:2
2700:12 2748:2	2754:20,21	late 2679:11	2482:18	2740:15,25
2764:15	2755:13 2756:2	lately 2769:9	2484:15	line 2485:12
2776:22	2764:2,8,14	latest 2695:19	2487:24	2506:21 2507:2
kinds 2511:5	2765:12,19	2713:11,11	2501:11	2507:3 2508:14
2523:12	2766:1 2767:5	Law 2460:15	2503:22	2509:4,6,6
2547:21	2767:6,7	2461:7,11,12	2504:14 2506:9	2514:22,23
<b>Kip</b> 2705:6	2768:13,22	2461:12 2462:2	2508:23 2515:7	2516:15 2517:8
2780:3	2769:18	2462:5,6	2516:15,18	2517:13
know 2478:22,23	2773:15 2776:5	lawyer 2671:12	2520:16 2521:4	2518:16
2482:5 2483:5	<b>knowing</b> 2743:14	lawyers 2774:9	2523:2,3	2519:14
2484:7,8	knowledge	2776:6	2543:16 2545:1	2527:20 2528:1
		<u> </u>	<u> </u>	

2553:16	2491:13 2495:7	2638:19	2671:12 2714:9	2766:8 2768:15
2554:21 2586:1	2495:12	2716:22	2744:25 2759:8	2772:1 2780:23
2586:7,11	2500:11	2724:18	2760:19	2781:22 2782:4
2591:4 2593:23	2513:19	long-term	2763:12 2764:3	lowery@smith
2634:8,9,11	2516:10 2517:7	2554:25	2776:13	2461:10
2638:2 2678:20	2527:16	look 2486:9	looks 2508:18	<b>LPS</b> 2736:11
2692:20	2530:21 2539:1	2504:22 2509:3	2552:23	<b>LTS</b> 2749:12
2694:19	2547:15,17	2509:4,6	lose 2777:1	lunch 2622:2,5,7
2695:25 2716:8	2551:8 2553:24	2512:13	loss 2585:23	Lynch 2540:22
2751:2 2763:12	2555:20 2631:7	2514:15	2751:21,25	2540:24
lines 2485:6,7,10	2633:1 2713:5	2529:10,10	lost 2753:12	
2487:9 2510:4	2766:10	2530:19 2538:5	<b>lot</b> 2481:14	M
2519:22 2522:4	live 2678:22	2542:11 2544:6	2495:24	macroeconomic
2522:16 2586:1	2706:8	2544:8 2545:1	2585:25	2537:9
2595:8 2634:10	<b>LLP</b> 2461:7,13	2545:20	2666:16	<b>Madison</b> 2462:10
2638:17	2461:21 2462:2	2547:15,18	2745:19	2462:15 2784:6
2710:10	LME 2696:22,25	2550:23 2551:5	2746:17	<b>Madrid</b> 2477:7
2751:20	2697:20	2553:3 2554:6	2774:25	2491:18
2773:12	2698:24 2699:5	2636:20	2776:22	2633:23 2644:4
<b>Linton</b> 2494:16	2701:25 2702:3	2637:19 2639:8	lots 2593:12	2700:13,19
2675:17 2681:6	2703:13,18,19	2639:13	<b>Louis</b> 2460:25	2702:15
2690:20,21	2704:11,14	2698:11	2461:5,14,22	2703:13 2704:6
liquidity 2464:1	2706:5 2729:15	2714:17	2462:19	2704:20,25
2523:19	2729:17,18	2737:20	Louisville	2706:13
2559:10,18	load 2751:1,13	2751:24	2695:18	2707:14 2708:8
2586:25 2626:6	2758:2 2777:8	2758:10	love 2657:8	2715:11
2626:8 2642:8	2777:11	2766:12	low 2509:2	magnitude
2645:14 2715:8	loaded 2660:10	2776:21	2622:12	2748:16
2729:19	loads 2777:13	2777:13	2623:25	main 2540:14
2772:13,14	loan 2484:5	looked 2481:11	2766:14	2748:4
2782:13	local 2555:17	2503:2 2504:17	lower 2509:6	maintain
<b>list</b> 2477:23	2664:17,20	2520:14	2669:24 2716:5	2697:10 2702:5
2500:8 2501:8	lock 2744:25	2541:16	2724:13 2725:2	2704:5
2637:8 2642:24	2745:3	2543:11 2737:8	2725:19 2726:6	majority 2463:10
2659:19	locking 2745:4	2743:1,5	2771:9,12	2501:1 2671:6
2683:25	lodge 2665:16	2777:12	2776:23 2777:1	making 2592:1
2715:23	2738:5	looking 2498:21	2777:4	2633:17 2646:6
listed 2477:22	lodged 2665:18	2515:17	<b>Lowery</b> 2461:7	2672:11
2664:6 2668:18	long 2481:19	2518:13	2630:16,22	2689:13 2693:5
listening 2638:6	2484:10 2487:9	2537:20 2538:7	2646:12,19	2745:14
literally 2484:5	2519:8,16	2547:17	2659:17	2753:21,23
LITIGATION	2530:14	2555:22	2661:22 2663:7	2776:2,3,20 Mallin 2461:12
2460:24	2551:19 2552:3	2636:17,22,24	2663:16	Mallin 2461:12
little 2479:10,17	2552:9 2553:13	2637:3,13,15	2665:16,22	2463:9,16,25
2482:18	2553:17	2637:21 2638:2	2672:3,8	2464:5 2477:3
2484:15,23	2554:13,19,25	2638:7 2641:16	2673:1 2732:20	2478:12,21
2488:9,10	2587:1 2630:12	2642:19	2744:14 2747:7	2479:5,8,10,15
	1	ı	I	I

			_	
2479:17 2480:9	marked 2463:25	2461:4	2624:1 2735:1	2661:1,24
2480:10	2498:20	mean 2508:2	meeting 2481:10	2663:10,11,15
2487:16,20,24	2542:21 2543:1	2522:8,8	2482:5	2663:17,21,24
2488:4,12	2543:6 2657:10	2525:4 2526:20	meetings 2481:5	2663:25 2666:4
2490:1 2492:4	2680:11	2527:13	2481:10 2690:5	2666:6 2670:5
2492:12,15,18	2682:16 2689:6	2548:25 2592:9	megawatt	2672:11
2494:1,7	2689:18 2698:7	2640:17	2739:13 2751:9	2734:17,21
2531:3 2544:16	2731:24	2660:11	2751:10	2775:15 2782:9
2545:10 2546:5	2751:15	2662:12	2777:18 2778:2	MIEC's 2662:5
2546:19 2547:6	market 2501:15	2663:10 2739:8	members	mill 2477:7,11,15
2548:10,13,16	2501:19	2774:14	2500:20 2501:2	2477:18 2478:7
2549:3 2556:3	2512:12	meaning 2514:2	2501:9 2663:12	2482:19 2483:3
2559:21	2513:24	2554:11,23	2668:21 2670:5	2483:10,13,19
2595:15	2515:12,19	2640:14	2714:21	2559:15 2646:4
2626:13	2539:8 2540:17	means 2524:24	memory 2518:19	<b>million</b> 2483:12
2630:12,21,24	2542:10,11	2676:16	2683:13	2483:23 2484:5
2631:3,6,23	2548:8 2549:15	2706:23	mention 2587:1	2484:8,9
2633:1 2634:13	2549:25 2685:4	meant 2524:18	2697:25	2633:6,8,10,20
2636:1,5	2690:9,12	2551:23 2552:5	2714:12	2640:7 2641:1
2646:9 2673:10	2695:13 2696:5	measured	mentioned	2641:8,21,25
2673:13,15	2706:15 2725:7	2592:15	2482:9 2486:21	2642:4 2644:5
2675:4,9	2743:11,20	MEB 2750:20	2495:9 2544:4	2644:11,13,14
2677:9,14,19	2744:21	MEB-COS	2634:2 2663:2	2644:25 2645:7
2677:22 2678:2	2751:15 2752:9	2735:15 2736:2	2729:9 2767:23	2645:11
2678:11,23	2755:12 2771:4	2736:14	2769:12,13	2699:24
2679:11,14	2777:4	2739:12	Merrill 2540:22	2715:16
2780:4,7,14	markets 2537:6	2759:15	2540:24	2749:20,25
2781:2	2538:14	2760:19 2775:1	message 2585:13	2750:2,6,9
man 2678:22	2547:21	MECG 2462:5	met 2481:4	2751:22 2752:3
manage 2559:9	2550:20,20	2494:12 2658:5	metal 2495:22	2758:15,17,18
2559:15	2638:10	2668:20	2496:10	2758:21
managed 2559:8	2666:18	2675:14 2681:3	2497:13	2759:12,21
management	2746:18	2683:7 2718:22	2717:16,19	2760:9,12,16
2639:1 2673:24 2708:25	Massena 2701:13	2733:25 2759:1	metals 2496:8	2760:22 2761:8
	2702:10	2783:9	2497:23	2762:1,3,11,17
managing 2680:2	material 2541:22	mechanic 2709:8	methodology 2737:11	2762:20,20,21 2762:23
manpower 2485:10	materially 2637:2	mechanically		
manufacturing	materials	2707:9,22 2708:22	Metropolitan 2758:8	2766:11,14 2769:12,13
2758:1	2638:12	median 2552:2	Michael 2481:3	millions 2684:18
March 2460:5	math 2522:24	medical 2705:15	microphone	2702:9 2761:8
2667:20	2524:9	medium 2551:19	2646:14	mind 2496:12
2784:19	matter 2460:9	2552:9 2553:13	MIDWEST	2516:18
margin 2525:15	2507:11 2586:6	2552.9 2553.15	2460:24	2677:24 2772:9
2751:13	2659:1	2554:12,19,25	MIEC 2478:18	mine 2684:15
mark 2542:16,20	matters 2499:25	2758:1	2659:1,3,3	mined 2496:18
2542:25 2543:2	MATTHEW	MEEIA 2622:13	2660:2,9,23	minimis 2758:6,7
2372.23 2373.2	1417 1 1 1117 11	1411919111 2022.13	2000.2,7,23	111111111111111111111111111111111111111
L				

	I	I		
minimum	<b>mitigate</b> 2755:18	2738:25 2739:2	<b>N</b> 2460:24 2463:1	2482:2,8
2697:10,15	mitigating	2740:9,19,20	2752:23	2667:13 2668:6
2702:5 2704:5	2756:1	2743:22 2744:3	2753:13	negotiation
minor 2623:5	<b>Mitten</b> 2461:16	2744:18	name 2492:19	2671:15
minus 2525:14	2658:11	2760:20 2763:3	2656:11 2659:4	negotiations
minute 2506:9	2690:18	2765:2 2775:2	2666:3 2668:20	2477:12
2508:23,23	2692:19 2698:6	months 2495:12	2673:16	2480:17 2481:1
2510:1 2592:24	2698:10,16,21	2662:5 2667:13	2679:21 2682:6	2481:7,8
minutes 2487:20	2722:5 2723:13	2668:5,11	2682:8	2668:11,14,15
2677:20	2728:12 2729:5	2676:21	narrow 2624:21	2668:19,22
mirror 2676:12	2730:1 2781:11	2692:11	<b>National</b> 2496:15	2730:15
2676:24	2781:16	2707:25	2496:17,25	2747:23
2745:21	mixed 2544:3	2709:12 2729:3	<b>natural</b> 2631:13	<b>neither</b> 2482:17
mischaracteriz	<b>MO</b> 2460:6,25	2745:8 2764:24	nature 2478:10	2784:12
2480:2	2461:5,9,14,18	2764:25 2765:1	2594:4 2637:23	<b>Nelson</b> 2461:20
misleading	2461:22 2462:3	<b>morning</b> 2495:3	2664:17	2494:21 2495:2
2517:20	2462:7,10,15	2495:4 2586:22	near 2514:14	2498:15,18
misquote 2518:8	2462:19 2784:6	2586:23	2515:16	2531:1,6,7
missed 2623:2	model 2511:6,7	2593:20,21	2528:17	2537:3 2542:15
2722:10	2515:1 2519:20	2656:10 2779:1	2530:13,15,17	2542:19,24
Missouri 2460:1	2521:24 2522:6	<b>Morris</b> 2460:15	2538:7 2767:3	2543:7 2544:11
2460:11 2462:1	2522:13,18	2781:19	nearly 2778:24	2544:20 2545:6
2462:18	2523:3,4,7	mothballed	necessarily	2545:13 2546:1
2494:15	2524:6 2526:24	2717:11	2593:2 2624:18	2546:9,15,22
2672:10	2528:14 2529:3	move 2478:12	2691:23	2547:8,10
2675:16 2681:5	2529:14 2530:2	2494:1 2523:3	necessary	2548:12,14,24
2683:14	2555:21	2537:14	2768:10,12,23	2549:5 2552:17
2690:17,19	2559:17,20	2544:12 2545:6	need 2478:25	2552:20
2691:18	models 2520:25	2546:1,15	2487:17 2510:2	2555:25 2556:2
2692:12 2701:4	2554:15	2657:20	2510:6 2593:7	2556:6 2559:3
2701:10,18	modification	2658:12 2675:4	2624:19 2646:9	2559:24 2585:1
2704:24	2731:20	2682:23	2656:6 2658:20	2585:3 2586:15
2722:21 2724:7	modified	2698:16	2678:25 2679:2	2587:5 2630:1
2724:22	2671:15	2724:11,25	2681:23	2630:25
2725:14 2726:1	<b>Moehn</b> 2481:3	2747:17	2686:13 2687:6	2675:22
2726:18 2744:4	2482:7	movement	2718:24 2735:8	2678:12
2774:10 2784:5	moment 2698:11	2713:14	2740:16	2681:10 2780:8
Missouri's	2699:3 2723:2	<b>MSO</b> 2752:9	needed 2504:11	2780:13
2460:10 2694:9	Monsanto	<b>Mt</b> 2714:17	2559:9	net 2741:3
2700:11,19	2659:4 2663:2	2715:3,4,9	needs 2626:12	2751:20
2704:10	2663:4 2666:8	<b>multi</b> 2715:18,19	2638:21	2765:23,25
2742:15 2745:9	2669:17,20,23	multiple 2529:8	negative 2519:9	<b>neutral</b> 2735:19
2763:25	Monsanto's	2715:12 2732:4	2519:17 2526:3	never 2492:1,2
Missouri-Colu	2663:3	mutually	2526:12 2538:2	2501:1 2511:7
2656:16	month 2631:22	2624:20	negotiated	2529:3 2661:21
misunderstood	2692:5 2736:21		2773:16,22	2663:24 2689:6
2530:9	2737:3,6,11	N	negotiating	2701:2 2713:1
	l	<u> </u>	<u> </u>	I

2729:8 2730:22	2479:19 2480:3	2737:13,18	2742:14	2698:9 2702:5
2772:8	2480:12	2738:3,3,11,18	2758:14	2722:11 2734:7
new 2477:7	2482:21,25	2738:22 2739:5	2761:19	2735:6 2737:23
2491:18 2498:2	2483:9 2484:1	2739:9,14	2762:16 2766:3	2742:25 2743:4
2498:3 2550:17	2484:17,20	2740:1,13	normal 2631:12	2745:25
2633:23 2644:4	2485:23	2742:15,16	2633:21	2760:23,24
2661:19	2486:18 2492:9	2744:17	2697:20 2754:4	2761:1,2
2684:20	2492:22	2745:10 2746:1	2754:5 2758:19	2762:14 2763:4
2700:13,19	2493:16,20	2746:9 2747:17	2758:19	2763:13
2701:14	2495:9 2498:23	2747:22	2774:15 2776:1	2765:23,25
2702:15,17	2500:7 2511:8	2748:19	2776:18,20	2771:5 2773:13
2703:6,12	2511:14 2537:4	2749:10	2777:9	numbers 2512:7
2704:6,19,25	2538:14 2539:9	2751:16 2752:7	North 2461:13	2515:18 2531:4
2706:12	2540:8 2559:19	2754:8,18	2462:23	2547:25
2707:14 2708:7	2591:10	2755:21	Northeast	2587:14 2657:7
2711:13 2712:2	2592:10	2760:21	2462:23	2711:7 2714:11
2712:5,5	2631:10,21	2761:17	note 2464:7	2718:6 2733:3
2715:11 2722:2	2633:3 2636:13	2763:23	2477:13	2735:18
2722:8,16	2637:17 2639:5	2764:20 2765:6	2478:16	2737:21 2751:8
2724:16 2733:3	2639:17 2640:4	2765:25	2488:17	2761:5 2763:2
2749:10 2753:8	2643:9,14	2766:22	2531:10	2767:3,16
2769:11	2645:6,6,22	2769:20 2770:1	2556:10 2560:1	numerous
news 2491:5	2660:4 2662:6	2770:4,5,20,24	2587:18	2663:22
nice 2495:5,6	2669:18,21,24	2771:6,9,10,11	2595:21	NYPA 2701:15
2709:20,22	2670:1,3	2771:12,16,25	2626:18 2632:3	2701:17,23
2762:14	2683:14	2773:25	2634:17	<b>N-Y-P-A</b> 2701:15
<b>nominal</b> 2522:11	2684:23 2689:9	2776:17 2777:7	2646:23	
non 2770:9	2689:19 2690:1	2777:8,15	2687:11 2719:2	0
nonimplement	2691:19 2694:6	2782:14	<b>noted</b> 2622:11	O 2463:1
2764:4	2694:21	Noranda's	2665:21 2694:4	oath 2552:25
nonprofit	2700:11,18,20	2477:8 2483:14	notes 2662:11	2672:9 2731:15
2663:11	2700:24 2701:3	2490:4,20	2784:11	<b>object</b> 2480:1
nonunanimous	2702:13,16,21	2498:9 2516:3	notice 2630:2,9	2490:22 2660:5
2623:16 2624:6	2702:24 2703:4	2522:5 2539:4	<b>notices</b> 2484:17	2732:20 2772:1
2660:12	2703:10 2704:1	2543:20	November	objected 2713:8
2661:13 2667:5	2704:5,9,18	2550:20	2493:21	<b>objection</b> 2478:15 2491:3
2667:21	2705:3 2706:8	2551:24	2495:10	2478:13 2491:3
2668:24 2671:9	2707:3,11,12	2638:17,17,24	NP 2494:4	2544:16
2731:22	2707:20,24	2639:1,8	2657:23	2544:10
2732:24,25	2708:6,13	2645:14	nuclear 2701:20	2630:11
2741:18 2742:3	2709:11	2683:20 2686:5	number 2477:22	2657:24
2760:13	2715:16,18	2703:11	2480:18 2490:3	2659:15,18
2769:19	2722:21	2704:22 2705:6	2559:23 2587:1	2665:16,19,20
<b>non-legal</b> 2748:11	2727:25 2730:3	2705:20 2706:4 2707:7 2709:6	2593:22 2638:18 2687:3	2675:7 2680:22
Noranda 2462:1	2730:5,12,21 2734:18,21	2711:9 2736:6	2692:21,24	2732:11,18
2477:17 2478:5	2735:4 2737:1	2737:14	2693:23 2694:1	2733:9 2738:6
24/1.1/24/0.3	4133.4 4131.1	2131.14	2073.23 207 <del>4</del> .1	2,000,0

2742:6 2772:5	2680:22 2683:2	2553:8,10,25	2760:12,18	2723:4 2742:24
objections	2689:2 2698:18	2554:22	2761:3,6,10,14	2743:3 2747:16
2545:9 2546:4	2727:5 2732:14	2559:24 2585:9	2762:3,9,19,23	2747:21 2766:2
2546:5,18	2732:18	2586:17	2763:5,17	2771:15,23
2683:2 2690:12	2747:16	2587:15	2764:9,17	2776:16 2777:9
2698:19	2778:14	2593:14	2765:1,15,21	2777:14,21,23
2732:15	<b>offering</b> 2733:11	2595:10,18	2769:5,18	2778:1
2778:14,15	2733:19	2640:2,12,19	2770:10 2772:8	opportunities
objectives 2641:1	<b>Office</b> 2462:6,8	2644:19 2656:4	Oklahoma	2550:15
obligate 2704:9	2668:16	2656:24	2462:24,24	opportunity
2704:18,22	officer 2492:24	2662:22	<b>old</b> 2491:5	2665:6 2705:12
obligated 2702:5	2499:5 2664:9	2666:22	once 2770:6	2727:17
2702:8	2672:11	2668:24 2671:1	ones 2512:5	2766:22
obligations	officers 2663:19	2671:22 2677:2	2540:14 2717:1	<b>opposed</b> 2738:8
2703:4	offices 2516:5	2677:25 2680:4	one-on-one	2774:21
observation	offsets 2752:19	2683:19 2684:2	2481:9	option 2684:24
2516:7	2765:22	2684:6,16	one-third	2723:4 2729:4
observations	oh 2525:14	2685:1,7,21	2706:20	2730:13
2503:2	2716:7	2686:11,13,15	ongoing 2477:12	options 2776:12
obtaining	Ohio 2694:15	2686:19 2687:5	2707:7	2776:13,14
2640:25	2696:14,21	2691:14,22	<b>OPC</b> 2774:18	order 2463:3
obvious 2778:7	2697:4,8,18	2711:8 2712:11	open 2586:17	2485:14,16,20
obviously 2482:6	2699:2 2702:17	2712:20	2592:2 2593:8	2493:19
2484:3 2486:10	2703:6 2711:14	2718:25	2595:6,13	2521:23
2486:15	2712:12,22	2722:18 2723:1	2714:11	2551:16,23
2487:11	2713:18,18	2723:9 2727:24	2751:15,15	2622:6 2659:18
2714:24	2717:5	2729:9 2730:1	opening 2490:25	2697:9 2698:13
occasionally	okay 2463:21,22	2730:23 2731:4	2513:11	2713:11,12
2501:25	2477:24 2479:5	2732:3,8,17	2555:22 2591:2	2725:3,20,21
2503:15	2480:5 2492:15	2733:18	2658:25 2663:1	2726:7 2735:9
occur 2507:6,9	2499:17	2734:16,24	2773:1	2735:11
2507:15	2508:22,24	2735:3,16,22	openly 2593:10	2767:16 2783:7
2525:19 2526:3	2510:11 2512:9	2736:2,4,13,24	operating	<b>ordered</b> 2764:16
2592:13,17,17	2513:21 2515:5	2737:25	2631:12	orders 2551:24
October 2493:21	2515:6 2516:13	2738:17 2739:4	2633:25	ordinary
2662:1 2669:1	2516:14	2740:1,24	operation	2511:13
odd 2625:14	2518:25	2741:5 2742:8	2724:16,19	organization
offer 2678:13,23	2519:13	2743:3,6,16	operational	2664:4,10
2678:24 2679:5	2520:18	2745:5,6	2631:14	organizations
2680:18 2732:9	2522:14 2523:6	2746:3 2747:6	operations	2715:13
2732:10	2527:13,18	2748:23	2460:11	original 2713:6
2778:11	2529:3,24	2749:16,23	2501:22	2758:12
offered 2478:15	2541:10,16	2750:25 2752:5	2631:21	originally
2494:4 2544:14	2542:23	2753:7 2754:11	2638:24 2715:8	2483:11 2738:8
2545:8 2546:3	2545:25 2549:2	2756:19 2758:3	opine 2723:7	2764:18
2546:17	2549:11 2551:2	2758:23	opinion 2482:1	Ormet 2696:15
2657:24 2675:7	2551:11 2553:7	2759:24 2760:6	2541:8 2723:3	2717:1,6

	l	l		
2728:5	<b>P</b> 2460:17 2463:1	2687:12	2664:20	passed 2700:6
<b>Ormet's</b> 2696:21	Pack 2643:24	2701:11 2719:3	participate	passionately
ought 2637:20	<b>package</b> 2624:13	2732:4	2549:17	2480:21
<b>outcome</b> 2499:25	2625:5,7	paid 2490:12,19	2637:18	path 2484:11,14
2538:14 2539:4	packaging	2505:22 2586:6	2773:22	<b>pay</b> 2689:10
2714:2 2753:25	2550:12	2586:10 2630:8	participated	2697:19 2699:4
2764:7 2772:7	page 2477:4	2697:1 2708:17	2642:20	2699:10,13
outcomes 2504:3	2499:4,15,16	2708:25 2722:2	participating	2704:10,23
2521:1 2526:15	2499:20	paragraph	2481:21 2639:7	2714:16
2526:16,19	2518:13,15	2478:4,4	2643:1,7	2763:24
2528:20	2530:22,23	2500:10,14	2644:7 2645:2	2765:17
2529:11,12	2548:11	2551:3,7	particular	2769:20 2770:6
2592:4,22	2550:24,25	2643:6 2723:22	2478:4 2482:10	2770:8
2776:13	2551:9 2553:3	2724:9,11,25	2519:21	paycheck 2492:2
outcropping	2553:5 2554:21	2725:18 2726:5	2527:14	<b>paying</b> 2746:2
2668:9	2632:4 2636:13	parameters	2538:23	2766:3
<b>outgoing</b> 2684:10	2637:10,12,25	2713:17	2540:21 2551:3	payroll 2631:12
outgrowth	2640:2 2642:22	2767:22	2641:12 2644:1	peaks 2509:14,16
2669:6	2643:3,22,23	paraphrasing	2644:24	2517:4,7,9,20
<b>outlined</b> 2748:19	2676:10	2775:6	2661:23	2729:17
outlook 2549:7	2678:20	<b>Pardon</b> 2712:4	2671:20	penalties 2478:9
2551:13	2694:17 2695:1	2750:4,21	2703:25 2743:4	<b>people</b> 2485:3
output 2523:24	2695:23	paren 2724:13,13	2743:17	2487:7,22
2524:8	2696:12	2724:13,14	particularly	2516:4 2529:25
outside 2638:25	2697:24	2725:2,2,19,20	2510:24	perceived 2764:4
outstanding	2706:18 2710:9	2726:6,7	2646:17	percent 2498:10
2550:9	2716:7 2718:8	parent 2699:9	2691:11	2500:11,23
overall 2549:19	2723:20,23	2704:23	parties 2488:5	2548:9 2549:7
2710:13 2711:9	2750:3,5,19,20	park 2753:17	2592:23 2624:2	2550:1,5,8
2750:6 2756:15	2750:21,22,25	part 2477:8	2624:9,25	2670:8,15,19
2762:7	2751:19	2480:23	2625:1 2659:14	2716:13
overhaul 2702:9	2753:19	2482:22	2659:22 2660:1	2734:21 2735:5
overrule 2491:3	2756:13,13	2498:11,19	2667:19	2736:9,12,22
2772:4	2759:8,15	2503:20,25	2668:16 2678:8	2737:2,9,18
oversight	2760:18	2523:16	2681:22 2731:8	2738:2 2740:8
2714:20	2763:12 2775:1	2527:14,22	2734:10	2740:21 2750:6
owe 2623:9	2775:23	2544:22 2637:5	2755:16,21	2752:18,20
owned 2498:8	pages 2464:8	2639:5 2643:17	2761:4 2762:6	2754:18,21,25
2715:11	2488:18	2646:6,9	2784:7,14,17	2756:17,22,25
owner 2715:19	2531:11 2554:1	2666:13 2679:3	Partly 2710:20	2757:3,6,8,11
ownership	2556:11 2560:2	2710:10	party 2482:2,17	2757:13,14,15
2695:18	2587:19	2730:15,24	2661:1 2705:11	2757:13,14,13
owning 2500:11	2595:22	2734:25	2775:14	2760:5,10,16
owns 2501:6	2626:19	2753:12 2770:2	party's 2662:9	2761:17,18,23
o'clock 2778:25	2634:18	2774:9	party \$ 2002.9 pass 2685:16	2762:15
	2643:20	participants	2713:14	2764:13
P	2646:24	2636:14	2755:15	2766:14,15
	2070.27	2030.17	2133.13	2700.17,13

2769:22 2770:8	2638:1 2670:4	2510:2 2512:21	2708:13 2709:7	2714:6 2716:11
2770:10	2670:6	2516:18	2715:9 2738:14	2717:17 2722:3
percentage	picked 2508:20	2520:22,23	2738:18	2722:6,8,8,11
2752:17	2512:1,6,10	2542:14	<b>positive</b> 2538:13	2722:16,21
2761:16,20	2520:2 2526:18	2544:11 2585:4	2539:4,7	2723:5 2725:6
2769:20	picking 2513:22	2585:12 2626:8	2549:14 2550:1	2729:2 2751:14
percentages	2766:2	2626:17	2552:4 2555:18	2764:1 2771:3
2766:15	<b>picture</b> 2591:10	2631:24	2585:13,17,18	2774:11 2777:2
perception	2591:12,16,17	2634:14	2586:1 2707:6	practice 2664:1
2764:10	2646:15	2662:13,17,25	2739:19	2664:15,23
perfectly 2490:3	<b>piece</b> 2633:12	2690:1 2691:16	possession	practices
<b>perform</b> 2639:17	<b>pieces</b> 2683:19	2691:18,23	2541:20	2774:16
2640:4 2746:24	<b>place</b> 2512:19	2692:2 2693:12	possibility	Pratt 2502:8
2767:22	2625:4 2639:25	2713:15 2733:1	2594:17	2512:11
performance	2680:6 2700:21	2733:20 2737:2	<b>possible</b> 2549:24	2513:22 2514:6
2710:11	2713:1 2748:5	2737:18 2738:2	2592:2 2705:13	2515:10,24
performed	2749:14	2739:18,20	2708:19 2730:6	2516:11,12,23
2754:7	<b>placed</b> 2729:6	2740:21	<b>pot</b> 2485:6,6,9,12	2517:4,12
performing	plan 2503:21,25	2742:13 2745:1	2486:18 2487:8	2518:16,25
2715:10	planning	2758:4	2634:2,5,7	2519:3,4
<b>period</b> 2486:5	2518:21 2521:2	pointed 2479:7	potential	2520:1,7
2507:7,8,16	<b>plant</b> 2486:11,20	2553:11	2517:25 2519:6	2528:18
2559:14 2692:3	2486:24	2623:21	2693:19	2540:16 2673:9
2692:5,7,9,11	2645:10	<b>points</b> 2513:8	2728:25 2730:9	2673:18,19
2693:10,20,22	2684:13,15,18	2520:9 2524:22	2748:1,8,17	2674:9 2676:2
2693:24 2744:3	2685:2 2717:10	2528:19 2757:9	potentially	2677:11
2746:12	2717:12 2729:1	2757:10	2519:5	2745:19 2781:1
2749:15	<b>plants</b> 2487:12	<b>polar</b> 2775:12,16	pots 2485:12,14	2782:24,25
2765:13	<b>play</b> 2729:7	<b>policy</b> 2656:22	2485:14 2634:8	<b>Pratt's</b> 2503:5
periodic 2758:19	<b>please</b> 2477:25	2689:23	2634:9,11,12	2516:7 2517:17
periods 2693:8	2494:21	2725:24	<b>pounds</b> 2666:15	2519:19
2765:2	2547:19 2549:1	politics 2701:9	<b>power</b> 2483:21	2520:19
permits 2724:14	2552:22 2622:7	<b>poor</b> 2678:22	2491:16,17,22	2522:23
permitted	2679:21 2682:6	2729:19	2586:4,8,12	precarious
2695:20	2694:17	<b>portion</b> 2478:19	2592:4 2593:7	2715:4
2708:15	2723:20	2699:11	2594:19	<b>precise</b> 2722:15
2753:12	<b>plenty</b> 2679:8	<b>portions</b> 2527:13	2631:13,18	preclusive
<b>person</b> 2484:13	plug 2463:24	2549:17	2640:20,23	2624:18
personal 2486:14	2524:5	2630:17	2641:21,25	predicate
personnel 2639:1	plugged 2527:7	posed 2493:10	2642:4 2643:17	2750:12
person's 2659:19	2528:11	2644:23	2644:2 2645:7	<b>predict</b> 2512:15
pertain 2644:2	plus 2525:14	position 2529:7	2645:11	2517:4,20
phases 2485:1	2751:16 2771:4	2656:17,19,21	2684:13 2691:8	2518:4,20
philosophy	<b>podium</b> 2494:22	2659:21 2660:3	2691:12,15	2519:4 2522:25
2753:25	point 2463:11	2666:11,12,12	2696:5 2701:14	2528:20 2745:8
pick 2512:19	2481:15,22	2672:5 2673:23	2701:19,20	2766:22
2524:5 2526:16	2488:11,13,15	2680:1 2707:20	2706:14 2712:5	predictability
	I	I	I	I

2529:18	press 2716:18,23	2508:6,14	2484:12	professional
predicted	pressure 2514:3	2509:12,20	2487:20	2481:4
2518:18	<b>presume</b> 2755:19	2514:4,25	2623:14	professor
predicting	<b>pretty</b> 2498:8	2515:4,25	2663:23	2656:18
2594:23,25	2509:2 2514:16	2521:8 2522:3	2665:22	professorship
prediction	2540:9 2550:5	2522:19 2523:8	2693:22 2715:4	2656:20
2528:22 2529:1	2716:15 2749:8	2526:18,24	2715:10 2749:8	<b>profit</b> 2640:8
2529:4 2744:23	2753:24	2527:8,8	<b>problem</b> 2623:2	2641:4
<b>preface</b> 2658:23	prevent 2500:1	2529:5,15,19	2630:13	profitability
<b>premise</b> 2740:17	previous 2486:1	2530:11,14	2646:17	2640:18 2641:5
premised	2593:5 2708:5	2539:22,25	proceeding	2641:7
2678:15	previously	2551:18 2552:2	2694:21 2695:9	profitable
<b>premium</b> 2699:4	2542:21 2543:1	2552:3,9,13	2748:13 2784:7	2716:22
2704:10	2543:3,5	2553:12,16	proceedings	program
preparation	2694:14	2554:3,12,19	2460:3 2784:10	2637:10
2513:1 2662:10	2759:25	2554:25 2586:2	proceeds	<b>Progress</b> 2643:23
2667:11	pre-filed 2657:1	2725:8 2767:14	2752:24	prohibitive
prepare 2656:24	2661:10,18	2767:15 2769:2	process 2481:21	2486:23
2674:1 2680:9	2680:9 2682:15	<b>pricing</b> 2514:3	2545:14	projected
2682:14	price 2497:13,14	primarily 2537:6	2633:17 2662:9	2504:22 2522:8
prepared	2504:14,20,23	2537:8	2666:19,19	2548:9
2492:25 2503:3	2505:7,13	primary 2551:13	2668:4	projecting
2504:5 2526:17	2506:5 2509:2	2638:13 2736:8	procurement	2504:23 2541:1
2592:21	2509:5 2517:25	2736:25	2666:8	promoted 2691:5
2689:14	2519:6 2521:4	2737:12 2738:1	procures	promotion
2741:22	2527:10,10,19	2738:21	2706:14	2680:6
2745:24	2527:20,25	2740:12,12	produced	proofread
2746:25	2528:10 2530:1	2754:2,3	2496:17 2725:8	2784:8
preparing	2537:10	2757:13,20,24	producer 2537:4	<b>proposal</b> 2479:11
2503:15	2638:13 2662:2	2775:20	producers	2479:18,20
<b>present</b> 2463:13	2662:2 2696:23	principle	2496:10	2696:17
2591:13,16,18	2696:25	2481:16	producing	2703:11,25
2676:18	2697:20,21	<b>prior</b> 2496:14	2707:13 2708:7	2705:4 2706:4
2748:22	2698:24 2699:5	2504:4 2513:6	<b>product</b> 2483:2	2736:6,25
2754:17	2701:25	2553:4 2593:11	2637:10	2737:14 2738:3
presented 2592:3	2703:12,13,18	2630:15	production	2738:7,9,10,11
2592:13	2703:18	2666:11,12	2585:16	2738:21 2739:5
2594:21	2704:11 2706:5	2717:16	2706:20 2707:1	2739:9,14
2738:24 2739:5	2707:5 2710:12	2727:22	2711:10 2715:7	2740:1,4,13
2747:19	2714:16	2729:13	productivity	2747:17
presenting	2725:20 2745:1	2753:10 2761:1	2639:23 2641:3	2764:12,17
2521:10	2745:3,4	privy 2708:2	2644:10	2769:19
2755:23	2751:3 2771:13	probabilities	products 2497:6	2771:15
presents 2591:10	2777:4	2526:8	2497:11	2774:19
president 2664:4	prices 2497:1	probability	2555:15	2775:17
Presiding	2503:10,19	2525:11 2526:1	2638:11,14	<b>propose</b> 2705:12
2460:15	2504:4 2508:5	probably	2725:8	2706:12
	l	l ~ ~ ~ ~		l

2481:13	2731:23	2503:23	2508:9 2514:11	2645:24 2656:9
2482:12 2741:1	<b>provides</b> 2501:15	2504:13 2508:5	2529:23	2657:14 2658:6
2741:25 2742:2	2550:15	2510:3 2512:24	2538:25 2542:5	2658:8,11,12
2760:20,25	providing	2522:5,11,13	2553:14,18	2658:17,19
2761:1	2774:11	2523:7,22	2554:14,16,18	2659:9,11
proposing	provision	2528:13	2554:20 2555:1	2660:8,12
2702:15	2691:11	2537:17	2559:22	2661:14,17
proprietary	2753:13	2547:20,24	2587:12 2591:6	2665:8,11
2685:24	prudency	2548:4 2550:2	2595:16 2622:8	2667:1,3
2689:16,18	2748:14	2551:5 2595:13	2626:14,15	2669:10,13
<b>protect</b> 2689:18	<b>prudent</b> 2679:3	2623:5 2625:9	2645:5 2660:11	2671:4,6,19,24
2773:16	<b>PSC</b> 2462:12	2662:5 2703:5	2660:11 2661:1	2672:1,8
protected 2686:6	2696:1	2717:16,18	2662:21 2663:7	2673:2,4,15
protecting	<b>public</b> 2460:2	2733:3 2759:6	2665:2 2672:4	2674:22
2686:5	2462:8,9	2761:5	2674:12	2675:13,15,17
protection	2478:5 2480:24	<b>puts</b> 2503:9	2694:19,19	2675:19,22,23
2690:7	2493:1 2494:10	<b>putting</b> 2522:17	2695:22	2676:1,5
<b>provide</b> 2478:18	2547:13,16	<b>P.C</b> 2461:17	2696:11 2703:3	2677:4,7
2481:13	2595:13	<b>p.m</b> 2779:5	2703:21	2678:15,19
2519:12	2630:13 2641:9	<b>P.O</b> 2461:8,18	2704:15 2705:1	2679:1,20
2520:11	2658:3 2664:15	2462:9,14	2708:3 2715:8	2680:15 2681:1
2541:22 2549:9	2664:18,20		2718:3 2722:19	2681:4,6,8,10
2592:11 2593:2	2668:17 2674:2	Q	2737:17	2681:12,13,15
2636:14 2659:5	2675:12	<b>qualify</b> 2716:13	2747:20	2681:17,20,22
2661:10	2680:25 2683:5	2725:21	2748:14 2749:9	2682:5,20
2670:21,22	2683:15	<b>quantify</b> 2759:12	2755:10	2683:6,10
2674:22	2685:16	<b>quarter</b> 2491:13	2759:25 2768:3	2690:21 2691:1
2689:12	2689:17	2543:20	2771:7	2692:16,19
2699:10 2703:1	2698:22	2545:14,22	questioning	2709:15,17,24
2706:11 2711:8	2700:12	2546:12 2586:7	2591:4	2710:2,6
2722:11	2701:19 2713:1	2586:12 2591:3	questions	2717:24 2718:2
2725:22	2713:4 2733:22	2591:25,25	2480:24 2490:2	2718:6,21,24
2728:14	2756:6 2784:5	2636:7,7,11	2490:24	2723:3,10,13
2729:16 2735:9	published	2637:5 2639:6	2492:18	2723:15
2755:25	2676:22	2639:15,18	2493:10,11	2726:21 2727:2
2764:20	pull 2505:5	2640:4 2642:13	2494:11,13,16	2727:4,7,12
provided 2520:7	2506:7	2643:15,17	2494:18 2495:2	2728:8 2730:3
2523:19 2638:6	<b>pulling</b> 2678:21	2645:5 2692:7	2530:9 2546:11	2731:3,25
2644:24 2645:2	purchase	2743:24	2548:18 2553:7	2733:12,17,17
2683:20	2482:16 2696:5	quarterly	2554:7 2556:4	2734:4,5
2685:14 2693:8	purely 2717:15	2491:11	2586:18,21	2740:20 2741:7
2694:22 2697:9	purpose 2639:11	2503:10 2639:8	2593:19,22	2741:11
2699:11,25	2643:11	2643:8	2625:18 2626:2	2744:10,14,16
2700:5 2701:24	2773:17	<b>question</b> 2477:25 2480:8 2484:7	2626:6,7	2747:8,10,13
2702:25	purposes 2631:9		2630:3 2631:6	2749:1,5
2703:12,15	2631:11 2762:9	2491:8,23 2502:24 2503:1	2641:15	2755:4,7
2729:24	<b>put</b> 2487:7	2302.24 2303:1	2644:23	2756:5,8,12
	1	1	1	

2759:7 2763:6	2697:5,8,15,20	2769:20,24	reach 2463:11	2491:20
2763:11,21	2698:1,3,14,21	2770:20,23	reached 2479:23	2510:20
2766:5,8	2699:5,12,22	2771:10,11,19	reaching 2480:12	2512:10
2767:5 2768:16	2699:25	2771:24,24	read 2477:21	2549:11
2768:19 2772:2	2701:12,24	2773:19,20,21	2499:23 2500:3	2639:11 2703:2
2772:3 2774:4	2702:1,2,2,15	2774:1,12	2500:17	2705:17,24
2775:22 2778:7	2702:18 2703:5	2775:17 2776:2	2502:12,18,22	2716:13
quick 2685:10	2703:11 2704:1	2776:3,20	2502:24	2775:19
quite 2481:18	2704:10,24	2777:1,7,16	2516:25	2776:24
2494:23 2662:4	2705:4 2713:24	ratepayers	2517:16 2518:1	reasonable
2693:6 2713:25	2714:22,25	2691:17 2693:9	2518:3 2540:10	2712:18
2778:17	2715:1 2717:17	2704:24	2551:20	2726:13 2744:6
quote 2760:1	2723:24	2742:14,15	2553:18 2555:7	2771:24 2772:7
	2724:15 2725:6	2764:13	2555:9 2585:3	2773:20,22
R	2725:21,24	2770:23	2585:10,10	reasonably
<b>R</b> 2463:1	2726:9,15	2771:11,16,25	2592:14	2724:18
raise 2514:3	2727:4 2728:5	2773:16	2636:15 2724:5	reasons 2480:18
raised 2587:13	2728:12,13,16	2774:13	2724:9 2736:5	2754:3 2768:1
2748:13	2728:17 2729:2	rates 2586:4,8,12	2767:17	2768:5
ran 2521:4	2729:7,10,12	2638:9 2669:24	2774:17	rebase 2769:6
2524:19,25	2729:21,23,24	2670:7 2693:7	reading 2756:14	rebased 2770:7
2525:23 2529:3	2730:17 2732:1	2696:22 2697:1	ready 2488:7	rebasing 2769:25
range 2520:3	2732:23	2697:19	2673:9	rebuild 2485:13
2633:19 2751:9	2733:13	2698:23	real 2505:3	2485:14
ranges 2508:4	2734:22,25	2711:15,22	2521:4 2685:10	2633:18
2634:6	2735:5 2736:6	2712:18	2765:16	rebuilt 2485:7
rate 2463:4	2736:6,10	2714:24 2716:3	reality 2485:9	rebuttal 2516:19
2480:20	2738:13	2723:5 2724:2	2678:24	2516:23
2481:13 2486:1	2741:17,25	2724:4 2725:5	2763:17	2731:19
2486:8,9,13	2742:14,19,20	2735:19	realized 2482:14	2732:14
2487:1 2592:8	2743:18 2744:4	2740:10 2746:2	really 2481:18	2782:11,19,21
2592:11 2593:7	2747:18 2748:9	2753:23	2491:5,14,16	2782:25
2594:19,25	2749:10,11,11	2754:17	2496:7 2498:1	recalculation
2595:2,5	2749:20	2759:23 2762:5	2509:12 2540:8	2732:21
2624:8,11	2750:14 2751:2	2766:13 2769:6	2678:24	2782:15
2625:7 2640:16	2751:3 2752:20	2769:14 2770:3	2689:19	recall 2497:24,25
2640:17,25	2753:4,4,7,8,10	2770:7,12	2695:22	2524:14
2641:7 2643:17	2753:1,1,7,6,16	2771:6,6	2712:24 2713:2	2538:10,21
2644:2,4,12	2754:15,16,20	2774:12	2713:24	2626:9 2687:3
2645:7,11	2754:21,23	2776:22 2777:5	2732:25	2694:6 2700:22
2662:6 2663:23	2760:7 2761:19	Ravenswood	2746:17	2703:7 2705:14
2664:15 2667:7	2762:11	2698:2,14,23	2751:12	2734:9,16,20
2668:7 2670:12	2763:25 2764:5	2699:9,18	2764:15	2735:3,6
2687:3 2692:12	2764:5 2765:6	2713:7,10	rear-view	2758:14
2693:5 2694:11	2765:8,8,10,12	2717:3 2729:10	2676:11,24	2763:22 2773:6
2694:20,22	2766:16 2769:7	2729:12	2745:21	2774:6 2775:6
2696:15,17,20	2769:8,11,17	raw 2638:12	reason 2487:21	2776:2

	_	_	_	_
receipt 2478:15	2659:25 2666:1	2714:10	2734:11 2775:2	2729:24
2494:5 2544:15	2673:17 2678:1	referred 2701:14	regular 2477:2	rely 2503:13
2545:9 2546:4	2679:22 2682:7	referring	2491:11 2537:2	2777:19
2657:25 2675:7	2685:11	2519:23	2559:2	remain 2707:19
2676:18	2731:10 2733:4	2520:15	regulatory	2708:12
2680:22 2683:2	recross 2490:23	2527:15	2460:15	remainder
2690:13	2625:20	2530:22 2555:5	2694:23	2728:21
2698:19	2646:18	2718:7	2701:17	remained 2709:5
2732:19	2658:20 2677:6	refinance 2484:9	2713:19	remember
receive 2704:2	2681:23 2756:5	2490:20	2714:15,20	2496:9,11
2762:10	2756:7 2759:3	refinancing	related 2524:4	2517:15 2518:6
received 2492:2	2780:13	2484:1	2641:16	2518:10
2494:6 2544:19	2781:14,15,16	reflect 2522:12	2695:15	2520:24
2545:12 2546:8	2782:1,2,3,4	2553:16	2706:24 2707:5	2538:23 2591:4
2546:21 2658:1	red 2491:19	2554:12,18,24	2712:16	2594:14 2623:6
2675:8 2680:23	2509:4,6	2750:15	2784:13	2727:11 2730:3
2683:3 2690:14	redirect 2463:7	reflected 2541:6	<b>relating</b> 2723:23	2753:1 2773:11
2698:20	2463:10 2491:1	2548:18	relations 2638:22	2773:12
2729:10 2735:4	2631:2,5	2705:17	relationship	remind 2664:14
2778:16	2656:2 2658:20	2732:23	2695:17	remove 2479:1
receives 2704:25	2665:10 2673:3	2739:12	2730:10	removed 2775:15
receiving	2677:8 2681:23	2746:21 2770:2	relative 2638:12	renegotiate
2695:11	2718:20	2773:14	2716:20	2708:21
2726:15	2726:23 2727:1	<b>reflects</b> 2751:25	2784:15	<b>renewed</b> 2713:13
receptive 2519:6	2768:17,18	refresh 2518:19	release 2690:6	repair 2634:5
2524:19,21	2780:4,14	2683:13	released 2686:1	repairing
recess 2487:24	2781:17 2782:5	refund 2748:18	2689:24 2690:2	2486:18
2488:5 2622:5	reduce 2707:4,25	refurbish	2690:5	repeat 2477:25
2665:5 2731:8	2708:15,17,24	2633:20 2634:5	releasing	repeatedly
recognize	2709:12	<b>refuse</b> 2697:6	2689:23	2690:2
2498:22	reduced 2483:22	regard 2477:16	relevance	repetition
2686:23	2485:2,3	2483:9 2484:1	2727:25 2728:3	2585:13
recollect 2480:6	2624:1 2626:8	2493:6,7,15	2737:22	rephrase 2542:5
recollection	2697:14	2636:15	relevant 2725:9	replace 2634:5
2734:23	2758:20	2637:20 2638:7	2737:5	replacing
recommend	2762:24 2774:1	2639:17 2640:3	reliable 2746:14	2486:18
2749:10	reducing	2640:20,22,23	relied 2503:4	report 2540:22
recommendation	2707:19	2641:3,11	2513:22 2526:9	2540:24 2541:7
2749:14	2708:12	2642:19	<b>relief</b> 2487:1	2541:7 2663:20
recommendati	reduction 2644:5	2643:16	2592:5,8,11	2679:11 2735:8
2769:4	2645:7,11	2644:25	2594:19,25	2735:10
record 2478:19	2751:23 2752:1	2645:21	2595:2,5	reported 2460:23
2493:20	2752:2 2771:5	2715:21	2640:25 2641:7	2490:9
2542:19	reductions	regarding	2644:12 2662:6	reporter 2552:25
2543:17 2585:4	2707:6	2623:16 2624:7	2662:14 2668:8	2784:1,4
2595:13	reference	2625:7 2667:6	2700:19,22	REPORTER'S
2656:11 2657:6	2678:20	2723:15 2730:9	2727:4 2728:14	2464:7 2488:17
		<u> </u>	<u> </u>	<u> </u>

2531:10	research 2656:23	2722:14	rider 2671:8,16	2744:11,19
2556:10 2560:1	researchers	2730:11 2746:2	ridiculous	2745:17,21
2587:18	2537:19	retain 2638:18	2757:9	2746:11 2747:3
2595:21	reside 2730:22	2638:25	right 2463:16	2751:11 2752:4
2626:18 2632:3	residential	2753:12	2483:11 2488:6	2752:15 2754:6
2634:17	2622:20	retaining	2490:14	2755:2 2756:4
2646:23	2756:21	2772:15	2499:16,20	2757:6 2758:5
2687:11 2719:2	residentials	retains 2770:12	2503:20	2758:16,21,22
<b>reports</b> 2639:9	2670:14,16	retention 2751:2	2506:25 2507:7	2759:22
2643:8 2716:18	resources 2505:1	retractive	2507:10,12,16	2760:15,17
representative	2505:21	2748:18	2507:20	2761:9,21,22
2508:21	respect 2477:7	retroactive	2508:18	2762:2,13
2517:25 2521:1	2496:25	2748:9	2509:13,21,25	2763:3 2766:18
2524:13,18	2538:12	return 2484:20	2513:3,8	2766:24
2525:22 2659:2	2553:14 2639:2	2585:15	2517:9 2518:1	2767:12,16
2663:14,25	2665:17 2723:2	2754:15,16	2518:11,20	2768:8 2773:18
2775:11,19	2777:21	revenue 2623:17	2519:1,25	2776:4
represented	respects 2662:4	2624:8 2667:7	2522:23,24	risk 2481:15,18
2592:3 2732:23	respond 2661:22	2726:8,12,12	2525:15,25	2481:24
represents	2705:12 2733:7	2734:11	2537:17	2482:15,17
2528:21 2687:4	2733:8	2735:18,23	2543:14 2547:2	2500:8 2501:8
request 2506:14	response 2477:12	2751:20 2760:7	2547:4 2549:8	2503:20,25
2658:23,23	2689:21	2761:11,14,15	2585:7,12	2591:23
2696:2 2698:14	2707:10	2761:20	2586:8 2587:1	2592:16 2593:1
2708:5 2729:22	2754:13	2762:25	2587:4,6	2593:4 2595:3
2746:25	2759:25 2768:9	2763:14 2770:3	2622:17 2624:3	2639:13
2758:14	responses 2708:6	2776:10	2624:4 2625:2	2642:24 2646:2
2776:17	responsible	revenues	2631:1 2634:15	2730:16,19,21
requested	2666:9,13,14	2460:10	2637:16 2638:1	2730:22,24
2694:21	responsive	2699:24 2726:9	2639:25	2748:3,4,4,6
requesting	2490:25	2751:23 2752:2	2646:11	2755:18 2756:1
2592:12	rest 2506:11	2752:10	2658:18	2763:23,23
requests 2707:11	restart 2729:23	2753:12	2660:14,18	2764:4,11,13
required 2631:15	2729:25	2765:22	2661:1 2665:14	2774:5,10
2697:18 2699:4	restarting	review 2637:9,18	2665:17 2669:6	risks 2636:25
2699:8,18	2486:22	2712:22,24	2669:8,11	2637:4,19
2724:16	restate 2480:9	2713:2,12	2677:10,21	2638:5 2643:12
requirement	result 2526:17	2765:9	2681:11 2687:8	2748:2,18,19
2735:23	2729:18 2733:5	reviewed 2541:7	2689:1,20	2755:11,12
2748:10	2740:14	Reviewing	2698:8,25	2763:22 <b>D</b> : 2605.16
2761:11,15	2762:25	2545:23	2702:19 2716:7	Rivers 2695:16
2762:25	results 2545:15	2552:23 2553:9	2718:25	2695:17,19
2763:14	2637:2 2643:14	revised 2676:23	2726:22 2728:4	2696:3
2776:11	resume 2779:1	2705:3,7	2728:10 2731:9	rmitten@bryd
requirements	retail 2481:12	2706:3	2732:12,13	2461:19
2623:17	2695:11	revolver 2631:8	2733:15,22	ROBERT
requires 2485:19	2706:13	RICK 2462:22	2735:7 2737:25	2460:16
L	•	•	•	•

1 405045				Ī
<b>robust</b> 2504:5	2781:13,25	2507:18,19	2667:16	2700:21
2511:10	RUSSELL	2508:1 2511:19	2676:15	seeking 2483:12
rod 2477:7,11,15	2461:16	2511:20,21	2677:24	seen 2546:25
2477:18 2478:7		2512:13	2686:16 2690:1	2661:21 2690:2
2482:18 2483:2	S	2513:23 2519:7	2707:13	2690:4
2483:10,13,19	<b>S</b> 2460:16 2463:1	2520:12,14	2723:22	segment 2640:8
2559:14 2646:4	2663:4	2521:3,18	2757:24	2641:4
role 2727:17,19	<b>safely</b> 2487:12	2524:13,14,18	2758:10	segments 2497:7
rolled 2638:14	<b>safety</b> 2487:4	2524:19,25	2778:18	select 2526:23
<b>Ronald</b> 2673:18	<b>sale</b> 2717:16	2525:7,9,22	secret 2689:19	<b>selected</b> 2517:24
room 2559:6	sales 2722:13	2526:3,12,13	Secretary	self 2682:10,13
2591:13,18	2752:11,19,24	2527:4 2528:10	2672:11,24	2714:15
2645:20 2742:9	<b>samples</b> 2520:3	2529:9 2552:7	<b>section</b> 2487:17	2728:23
rose 2549:7	SAM'S 2462:22	2552:8 2553:15	2656:2 2689:2	self-governing
rosier 2591:12	<b>Sante</b> 2462:23	2554:7,11,24	2724:12 2725:1	2714:19
roughly 2483:12	2714:18,20	2592:22	2725:19 2726:6	self-owned
2739:24	<b>SAS</b> 2749:11	<b>schedule</b> 2530:23	sectors 2549:16	2684:12
round 2762:14	save 2670:18	2660:23 2684:3	2549:18	selling 2752:7
routinely 2481:4	<b>savings</b> 2641:21	2731:23	Securities 2478:6	sells 2701:19
row 2663:23	2641:25 2642:4	2736:13 2750:3	2498:24 2500:5	2722:8
<b>RPR</b> 2460:23	2645:1 2751:16	2750:5,20	security 2670:22	send 2484:17
2784:22	2771:4	2753:9 2756:13	see 2484:11,14	senior 2537:24
rules 2500:25	saw 2517:3,5	schedules	2488:9 2495:5	sense 2776:25
ruling 2479:13	2518:5 2748:4	2731:20 2732:4	2495:6 2498:22	sensitivity
2658:24	<b>saying</b> 2499:10	2735:15 2736:1	2500:12	2521:17 2524:1
2731:18	2514:6 2525:18	schemes 2723:16	2506:18 2508:7	sentence 2500:15
2733:16	2541:24 2668:4	scholar 2505:15	2510:4 2523:23	2522:15
run 2485:11	2693:15	Schwartz	2528:11 2539:1	2710:10
2487:12 2492:3	says 2518:16	2677:13,15,18	2543:16 2551:7	<b>separate</b> 2624:19
2504:18,21	2542:9 2550:13	2678:3,8,17,25	2551:14 2553:5	separately
2505:6,9	2551:11	2679:4	2554:14 2622:3	2735:2
2521:23,25	2639:23	scope 2490:23	2624:18	sequence 2519:8
2525:5,25	2694:20 2696:7	2772:2	2643:24 2644:3	serve 2754:8
2526:5 2527:1	2696:8 2724:14	<b>SCOTT</b> 2460:18	2656:25 2670:7	2777:15
2527:6 2529:14	2776:12	scrap 2717:13,15	2679:4 2689:3	served 2684:12
2530:2 2640:16	scenario 2508:15	2717:19 2728:9	2709:21,22	2714:18 2716:1
2640:17	2508:19,25	scrapped	2714:17	2716:2,3
running 2485:11	2509:25	2717:12	2724:20	2751:13,21
2486:11	2518:21 2521:2	screen 2479:2	2725:12	2771:12
runs 2737:8	2521:19	scripts 2593:11	2726:16	serves 2538:14
<b>Rupp</b> 2460:18	2523:25 2525:4	<b>Sebree</b> 2695:8,15	2733:12 2735:8	service 2460:2,11
2677:5 2681:19	2525:4,18	2727:9	2745:21 2753:9	2480:24 2493:1
2681:20	2527:1,5	<b>SEC</b> 2477:9	2754:15	2510:22,23
2717:25 2718:2	scenarios	2490:9 2498:12	2766:14	2624:8,12
2755:5,7	2497:14 2503:3	2690:3	2767:18	2625:8 2641:9
2763:22 2764:6	2503:17,18,22	second 2640:10	2771:11 2773:1	2667:7 2674:2
2780:11	2504:2,7,13	2641:24 2644:3	seek 2700:12,18	2683:15 2685:3
1		· -	<b>l</b>	

2685:3 2695:11	2549:7 2550:5	sign 2498:12	2709:22	smart 2529:7
2695:12	2670:25 2693:1	2667:14	2710:14	smelter 2559:4,5
2698:22	2693:12	2734:18	2711:16 2722:4	2585:16 2592:2
2699:24 2716:4	severe 2487:13	signators	2723:21 2731:5	2593:8,13
2736:8,25	Sewer 2758:8	2668:18	2731:13	2594:17 2595:6
2742:22	<b>share</b> 2585:19,23	signatory	2741:14	2642:1 2645:10
2750:24	2592:23	2624:16	2749:18	2646:3 2684:8
2753:21,22	2762:16	signature 2499:8	sit 2528:19,25	2684:9,10,12
2754:3,19	shareholder	2672:13	2540:5	2684:15
2756:24 2757:2	2500:2,23	<b>signed</b> 2499:10	situation 2645:14	2694:11 2695:7
2757:13,18,20	shareholders	2672:14,18	2645:17	2695:10
2757:24 2760:3	2490:13 2500:1	2734:10	2727:25	2696:16,21,22
2760:4 2766:13	<b>short</b> 2488:1	significant	six 2462:23	2697:1,5,13,19
2776:2,3,6,7,8	2539:1 2672:22	2514:6,12,23	2497:20	2698:2,24
2776:11 2784:5	shortfall 2726:9	2710:18 2711:4	2507:14,15	2699:4,9,12,19
services 2460:24	2726:12	significantly	2509:1 2510:5	2699:23,25
2666:9	Shorthand	2500:16	2519:15 2550:1	2700:9,14,19
<b>serving</b> 2748:15	2784:3	2514:16,19	2764:24	2702:6,10,15
session 2464:7	show 2506:14	<b>Silicon</b> 2679:25	sixth 2663:23	2703:13 2704:6
2477:2 2488:17	2510:3,6	similar 2545:14	six-tenths	2704:20,25
2531:10 2537:2	2518:15 2520:3	2639:4 2642:18	2670:18	2706:21
2556:10 2559:2	2544:23 2552:8	2643:5,19	size 2482:16	2707:14,19
2560:1 2587:18	2705:18	2662:4 2701:18	2777:8	2708:8,12
2595:21 2622:2	2749:16	2725:15 2726:2	slide 2545:2,21	2709:5 2710:12
2626:18 2632:3	<b>showed</b> 2506:15	2726:19	2547:19	2710:19 2711:2
2634:17 2636:4	2519:8 2545:3	<b>simple</b> 2768:3	2548:12,14	2711:3,5,6,15
2646:23	<b>showing</b> 2646:15	simply 2506:1	2551:8,11	2713:7,11
2687:11	shown 2527:6	2550:12 2660:3	2585:7,8	2714:23,23
2714:11 2719:2	2750:19	2746:23	2639:22,23	2715:10,11,18
set 2516:15	shows 2749:19	single 2483:5	2644:7 2773:4	2716:11,21
2693:7 2703:9	shut 2486:24	2527:1,5	2773:8	2717:2,7
2711:14 2723:1	2487:2 2631:17	2716:14	slides 2544:22	2718:9,13,15
2724:4 2725:25	2716:11,14	sir 2480:11	2545:2,17,21	2728:7,14
2728:5 2750:12	2717:8,9	2490:14 2495:5	2548:18,21	2729:1,23
2753:23 2773:5	2729:20,21	2499:15	2591:2 2636:6	2736:18
2776:22	2736:18	2518:24 2543:9	2636:13,15,21	2751:21
setting 2553:22	2770:24	2551:4 2553:20	2637:19 2639:7	2773:25
2725:5	shutdown 2487:5	2555:6 2591:5	2642:12,21	smelters 2666:16
settled 2622:11	shutting 2487:10	2638:3 2641:13	2643:6,15	2683:21,24
2622:12	2595:8 2716:19	2667:9,17,25	2644:8 2773:5	2687:2 2691:12
2730:22	2717:17	2669:3 2671:17	slight 2680:3	2695:8,15,20
settlement	2737:13,19	2671:21	Slightly 2671:11 slow 2553:24	2701:13 2702:18
2480:21,22	2738:3,22	2672:18,25		
seven 2490:11 2506:14,15	2740:14 2771:25	2673:5 2686:24	slowed 2559:13 small 2678:13	2710:24 2711:10 2714:4
2507:20 2509:1	side 2552:12,13	2691:10,13 2698:15 2700:4	2756:24	2711:10 2714:4
2519:15 2548:8	2712:21	2701:1,6,22	2750:24 2757:13	2715:0,13,19
4317.13 4340.0	2/12.21	2/01.1,0,22	2131.13	4/10.3,14

2722:12,13	2529:22 2541:9	2723:24	2552:4 2555:14	2706:19
2727:5,10,20	2542:2 2547:8	2724:15	staff 2462:12	2711:13,24,24
smelter's	2548:10	2725:21,23	2494:17	stated 2480:3
2696:17	2550:24	2726:9,15	2505:20	2491:14
2697:10 2698:3	2553:21,24	2727:4 2728:5	2625:21 2658:7	2515:15
2698:14	2554:22 2555:6	2728:11,13,16	2675:18 2681:7	2775:25
2706:24	2587:6 2636:1	2728:17 2729:6	2690:23 2713:7	statement
smiles 2622:3	2637:14 2670:3	2729:10,12,21	2741:8 2760:20	2490:25
<b>Smith</b> 2461:7	2674:9 2703:19	2729:23	2760:25 2761:1	2499:21 2500:5
2463:6,8	2715:24	2772:21 2777:7	2761:2 2763:7	2500:19
2477:3 2478:5	2738:10 2757:7	specialized	2774:18	2517:15
2479:18 2482:1	2757:15	2485:15	2775:14	2521:14 2540:6
2491:23 2492:5	2759:19	specific 2527:17	<b>staffing</b> 2708:16	2542:2,13
2543:25 2544:4	2770:10	2587:14	Staff's 2737:11	2555:23 2591:2
2544:7 2546:11	sort 2480:11	2693:22	stand 2463:6	2642:18
2550:25	2506:20	2704:15	2731:11 2733:3	2658:25 2663:1
2551:11,22	2511:13	2714:11	2765:2	2663:3 2716:15
2553:11 2554:2	2525:13 2526:1	specifically	starkly 2591:11	2716:16 2773:1
2641:20,24	2585:11	2663:2 2700:8	start 2487:10	statements
2645:20	sought 2483:9	2723:16 2724:1	2491:12	2592:10
2700:15,17,24	sounds 2544:7	2755:16	2493:16,17,20	2595:12
2701:3 2705:6	2735:7 2759:5	specifics 2483:18	2506:12 2508:2	2636:17,22,24
2705:10,14	2761:9 2762:2	spend 2633:3	2522:7 2542:18	2637:3,13,15
2780:3	source 2508:17	spending 2559:9	2547:17	2637:21 2638:7
Smith's 2553:5	2541:23 2542:4	2559:14	2554:21	2641:19
2701:8 2706:3	2542:7,7,13	<b>spent</b> 2481:14	2555:21	2642:19
smooth 2517:13	2685:24 2686:6	2666:16	2636:10	2644:22
sold 2717:12,20	2689:8	Spinner 2659:4	2705:18 2749:8	states 2498:24
2728:9 2751:15	<b>South</b> 2461:8	2659:11,16	<b>started</b> 2463:19	2551:14
2752:9 2771:4	speak 2482:6	2660:5,9,17	2481:6 2483:16	2638:25
2777:3,3	2663:5	2662:23 2663:4	2483:18 2488:7	2666:10 2693:7
solely 2724:2	speaking	2664:3 2666:3	2504:12 2509:8	2694:23
somebody	2544:22	2669:14	2515:1 2622:9	2702:19,24
2505:16 2542:9	special 2490:13	2780:19	2661:7,9	2711:17,25
2544:5 2545:16	2490:19 2491:6	Spinner's	2668:6 2727:14	2713:21
2549:19,22	2585:20	2664:19	starting 2512:3	2714:12
2690:9	2694:11	<b>spoke</b> 2543:23	2512:20 2513:8	2723:16,23
somewhat	2696:15,17,20	2544:1	2524:22	static 2707:19
2711:2 2716:17	2698:1,3,14,21	spontaneously	2553:15	2708:12 2709:6
2769:16	2699:12,22	2485:13	<b>state</b> 2460:1	statistical
sorry 2477:24	2701:12	<b>spot</b> 2676:12,19	2480:3 2492:19	2504:18,21
2479:12	2702:15,18	2745:20	2656:10	2505:6,9
2499:17	2703:5,11	<b>spread</b> 2550:16	2672:11,24	2510:22
2503:24	2705:4 2712:15	St 2460:25	2673:16	2525:17 2526:5
2507:21 2515:3	2712:23,25	2461:5,14,22	2679:21 2682:6	statistician
2519:4 2520:15	2713:24	2462:19	2689:22	2506:17
2527:9,23	2714:24	stable 2539:21	2694:10	statistics 2505:16
	I	I	I	I

2525:14	2662:16 2667:5	2666:17	2728:14	2515:13
2676:21	2667:15,21	study 2512:1	2729:16	2518:12
status 2715:2	2668:25	<b>studying</b> 2666:16	sufficiently	2520:23
statute 2722:20	2671:13	stuff 2522:22	2517:25 2519:6	2527:14,16,24
2723:23	2731:21,22	2623:6	suggest 2526:1	2530:4 2538:20
2724:22	2732:24,25	<b>subject</b> 2709:1	2550:19	2540:4 2541:6
2725:14 2726:1	2734:11,17,18	2723:5 2761:6	suggested 2763:3	2555:7 2623:2
2726:18	2734:20	2764:21 2765:9	suggesting	2656:25 2666:3
<b>statutes</b> 2748:11	2741:18 2742:3	<b>submit</b> 2678:19	2501:4 2762:7	2666:20
statutory	2747:4 2760:13	submitted	2776:25	2667:24
2711:20 2712:9	2761:24	2506:13	suggestion	2672:15
2712:13	2764:19 2770:1	2707:11	2479:23	2708:19
2713:10	2772:11	subscription	2538:10	2713:25
2723:16	stock 2498:9	2689:10,17	<b>suite</b> 2461:8,13	2722:15 2728:2
stay 2714:11	2500:12,25	subsequent	2461:21 2462:3	2731:1 2740:8
step 2492:6	stop 2592:24	2748:13	2462:10,23	2740:16
2548:25 2592:6	2778:25	2769:15	2516:5	2745:17
2640:6,13,14	stoppages	subsequently	summarize	2756:14
2640:23 2656:3	2638:23	2484:20	2768:24	<b>surge</b> 2485:6
2658:20 2673:5	STORES	2750:11	summarizes	surgery 2478:2
2677:11	2462:22	subsidies 2697:5	2551:12	surplus 2541:1
2681:24 2731:5	storm 2485:8	2697:9 2699:11	sums 2754:1	<b>surprise</b> 2672:19
2778:21	stormed 2482:7	2699:15,25	supplemental	2672:21
steps 2486:12	<b>Street</b> 2460:24	2700:5 2704:1	2741:17	surrebuttal
2640:19	2461:8 2462:3	2704:25	supplements	2493:2,7
2707:24	2462:10,15,23	<b>subsidy</b> 2660:4	2630:7	2502:18 2512:9
2709:11	2502:5 2544:24	2697:15	supplier 2480:19	2516:23,25
<b>Steve</b> 2659:4	2545:16	2749:25	2722:6	2517:3,23
<b>Steven</b> 2666:3	2546:12	2750:18	supplies 2669:20	2518:3,14,16
2780:19	2547:20 2784:6	2759:12,21	<b>supply</b> 2552:13	2520:2,5
stick 2508:23	stress 2521:13,23	substantial	2555:17	2527:7 2530:19
2515:7 2554:17	strike 2711:17	2594:18	<b>support</b> 2548:1	2530:21
sticks 2496:12	strikes 2638:22	2638:18,21	2662:6,12,14	2656:25 2674:3
stip 2623:13	strong 2550:15	2659:24	2694:10	2674:18,24
2671:9 2769:19	2551:17,23	2676:12 2748:1	2696:16 2698:2	2703:16,17
stipulated 2738:8	2716:15,16	substantially	2700:12	2705:4,11
2771:24	struck 2625:3	2483:1 2499:24	2724:18	2710:9 2731:19
2773:19	structure	substitute	2728:17	2782:12,17,23
stipulation	2481:13,16,19	2478:24	2729:25	suspect 2767:7
2622:23	2481:25	substituted	2753:20	sustain 2715:9
2623:16 2624:6	2482:12,13,16	2498:21	supported	sustainability
2624:25 2625:6	2640:6 2644:10	substitution	2661:25	2486:12
2625:13 2659:6	2693:6 2722:16	2479:14	2730:17	2551:18 2552:2
2659:7,21,21	2724:2 2748:2	success 2707:7	2770:20	sustainable
2660:13 2661:8	2748:6 2764:3	2710:11	sure 2478:1	2491:22 2552:9
2661:14,24,25	structures	suddenly 2686:2	2482:20 2505:4	2553:6,12,16
2662:1,3,12,15	2481:12	sufficient 2483:6	2508:16	2554:3,12,18
	1	ı	ı	I

2554:24 2555:4	2733:2 2758:10	2519:13,16,19	2515:24 2540:5	2724:18 2767:3
2593:7	2763:13	2519:21	2548:23	terminate 2696:2
SUZANNE	2766:16,21	2523:24,25	2591:21	terms 2478:9
2460:23 2784:3	2767:21	2527:21,22	2637:16,19	2483:8 2497:12
2784:22	taken 2488:5	2530:10	2639:6 2657:6	2508:14
swear 2665:3	2529:25 2622:5	2540:25 2547:7	2689:15	2513:22
Sweargen	2664:21	2547:20	2698:11	2624:20 2630:8
2461:17	2707:24	2551:22 2552:3	2707:24	2644:15 2662:3
switching	2709:11 2731:8	2553:5 2554:2	2709:11 2717:2	2717:1,3
2539:16	2731:11	2554:4 2585:25	2717:3 2727:14	2769:25
sworn 2492:11	2738:18	2637:14	2740:6 2741:15	test 2521:23
2492:13 2656:7	2748:20 2767:1	2667:18 2669:2	2761:14 2767:5	2751:6 2775:13
2665:25	2784:11,15	2729:22 2738:9	2767:6	testified 2661:13
2673:11	takes 2549:19	2738:10	<b>telling</b> 2501:7	2683:14,17
2679:17 2682:3	2685:3	2743:16	2547:12,16	2694:5,10,14
system 2485:23	take-a-ways	2749:25	2548:7 2549:6	2695:6 2700:15
2670:1,4,22,22	2585:11	2761:19	2592:19,20	2775:4
2670:24	talk 2479:10,17	talks 2552:1,11	2593:25 2594:1	testifies 2665:5
2684:14	2482:18	target 2697:21	2594:2,8	testify 2515:24
2691:19,20	2484:15	tariff 2460:10	2595:1,1	2659:2 2661:20
2742:16,17	2500:10	2697:20 2699:5	2636:19	2663:15
2744:18,18	2501:11	2704:10	2640:22	2664:15
2745:10,11	2503:22 2506:9	2714:24 2716:3	tells 2640:2	2665:18 2696:9
2746:2,10	2509:10	tariffs 2722:14	temporarily	2696:16 2698:2
2752:23	2513:23 2523:2	2722:17	2477:11	2731:12
2766:23,23	2523:4 2538:9	<b>TATRO</b> 2461:3	temporary	testimonies
2769:23	2544:5 2545:18	2478:16 2480:1	2715:15	2493:11,15
2771:17	2555:20 2559:3	2490:22	tender 2494:7	2732:22
	2586:25 2587:9	2622:15,24	2657:22	testimony 2486:1
T	2587:14	2623:4,9,11,13	2675:10	2493:2,6,7
T 2460:18	2591:24 2593:6	2623:19,24	2680:19	2502:13,19
table 2482:8	2594:15,16	2624:4 2625:12	2682:24	2503:5 2509:3
2718:7	2595:4,5	tax 2699:24	tends 2710:23	2510:10 2511:1
tables 2482:3	2631:7 2633:1	tbyrne@amere	term 2484:10	2511:21
tact 2595:10	2642:12 2661:6	2461:6	2514:14	2512:11,25
take 2481:23	2661:7 2678:25	team 2537:19	2515:16	2513:3,5,10,15
2483:1 2488:1	2679:3 2684:3	2666:14	2524:12,17,24	2513:21,24
2524:2 2528:12	2685:9 2702:21	teams 2481:6	2525:8 2528:17	2514:5,11
2529:19 2544:6	talked 2508:11	Teasdale	2530:13,14,16	2515:5 2516:13
2544:8 2545:1	2513:19 2515:2	2461:21	2530:18 2538:8	2516:16,20
2549:22 2630:2	2516:4 2518:4	technically	2540:16	2518:11 2520:8
2630:9 2633:16	2545:4 2546:22	2714:5	2551:19 2552:3	2520:16,21
2664:19 2665:5	2593:8 2594:16	technology	2552:10	2524:14
2683:17	2595:4 2640:6	2634:12	2553:13,17	2530:20,21
2698:11	talking 2491:15	television 2479:1	2554:13,19,25	2592:4,9
2722:21 2723:5 2725:6 2731:6	2514:24 2515:4	tell 2481:1	2638:19 2696:4	2657:1,3,14,18
2123.0 2131.0	2517:20	2484:13	2705:7 2716:22	2657:21 2659:5
	1	1	1	1

1				. 1
2659:20 2661:9	thank 2463:9	2486:22 2487:2	2753:2,8,11	2782:3
2661:11,18	2464:5 2479:9	2495:24	2754:1,13	thought 2520:2
2663:21	2479:15 2488:4	2496:18	2764:25	2520:25 2530:6
2664:19,20	2488:12 2492:4	2497:14 2513:8	2765:13,18	2548:3 2676:13
2672:4,9,16	2492:7,7,15	2517:7 2523:12	2767:17	2732:2 2748:16
2674:3,3,15,18	2494:18 2519:2	2547:16	2768:10,11,23	2759:17
2674:24 2675:2	2531:7 2586:15	2553:22 2591:8	2769:11	2775:11,17
2676:9 2678:18	2593:15	2593:10	2770:17 2772:6	three 2497:21
2680:3,5,10,15	2623:24	2594:20	2773:21	2509:13
2682:15,20	2625:23 2631:3	2631:10 2669:7	2774:14 2775:1	2511:20 2512:1
2683:20 2684:4	2646:19 2656:4	2709:5	2775:20	2512:10
2685:14	2658:4,8,15,21	think 2479:13	2776:19	2517:24 2519:8
2694:18,25	2671:1 2673:5	2491:3,4,18,20	2777:12	2520:25 2521:3
2695:14,23	2673:6,13	2506:17	2778:10	2524:16
2696:1,13	2675:9,19	2511:17	<b>thinking</b> 2486:19	2525:21
2697:24	2676:2 2677:12	2513:11	third 2483:12	2526:12 2550:5
2700:22	2679:15 2681:1	2514:19,21	2501:6 2545:14	2633:21,22,25
2701:12	2681:18,25	2524:12	2545:21	2676:20
2702:14	2690:24	2543:13,15	2546:12 2586:7	2738:23 2739:3
2703:10,22	2692:15	2544:2,4	2592:23 2636:7	2746:19,20
2704:7 2705:4	2696:10	2551:2 2559:22	2636:10 2637:5	2777:17
2705:9,12,15	2709:16 2710:2	2587:12	2639:5,15	<b>throated</b> 2753:20
2705:23 2706:4	2715:22	2591:15,20	2643:15 2708:6	throw 2512:16
2706:18 2711:9	2718:19 2723:9	2592:15 2593:5	<b>Thomas</b> 2679:23	thrust 2712:24
2711:12	2726:21 2731:5	2593:24	2781:5	<b>thumbs</b> 2488:9
2714:10 2716:6	2733:24 2734:1	2594:18 2595:3	Thompson	tied 2697:8
2718:5 2727:15	2741:7,9	2595:7 2624:19	2462:13	2701:24 2706:4
2731:21	2744:9 2748:24	2624:21	2494:18	tight 2513:25
2735:14 2739:6	2749:2 2755:4	2625:14 2630:3	2623:10	2515:11,19
2740:4 2741:1	2756:3 2757:12	2642:6 2645:12	2625:23 2626:2	2540:17
2747:19 2750:7	2758:25 2760:8	2659:6 2664:8	2626:11 2658:8	<b>tighter</b> 2540:17
2750:13,16	2763:6,8	2664:25 2665:2	2664:11,13	2540:18
2751:1 2753:25	2765:1 2766:5	2669:10	2675:19 2681:8	tightness
2754:14,16	2776:15 2778:5	2677:22 2679:3	2690:24 2691:1	2541:24
2758:13	2778:19,20,23	2685:5 2692:2	2692:16 2722:1	2542:10
2767:17 2768:2	thanks 2593:14	2692:21	2723:10 2730:1	time 2481:3,9,14
2768:25	2625:15 2680:8	2693:22 2694:2	2741:9,11	2484:25 2485:8
2770:20,22	2709:24	2695:21 2708:9	2763:8,9	2486:5 2492:8
2774:18	2717:22	2715:5,23,24	2769:11 2774:5	2498:12,13
2775:23	2748:24	2716:25	2780:12	2507:7,8
2782:10,11,12	2756:10	2717:20	2781:21	2512:18 2515:7
2782:16,17,18	thereabouts	2718:24	Thompson's	2516:15
2782:19,20,21	2685:8	2722:10	2692:20	2520:16 2521:2
2782:22,23,24	thing 2498:21	2727:14 2733:1	2744:15	2527:10
2782:25	2504:13 2550:4	2741:24	Thompson2720	2528:24
tests 2521:13	things 2478:10	2743:23 2744:6	2781:15	2540:21
th 2663:7	2481:21	2746:5 2747:25	Thompson2763	2548:25
	I	I	I	'

2559:14	tomorrow	transcripts	2661:23	2646:13
2593:14	2660:19 2679:9	2547:7,9	2672:24	2668:20 2670:9
2594:15 2622:2	2679:10 2779:1	2548:19 2591:3	2684:22	2676:20
2660:5,23	<b>TONC</b> 2461:4	2592:14	2707:16 2708:9	2677:19
2662:9 2666:16	tone 2592:15	2593:11	2709:8 2717:2	2696:13 2714:4
2667:12	tonight 2778:25	2594:21	2717:4 2722:7	2737:6 2746:18
2672:22 2679:2	top 2499:16,20	transferred	2739:22,25	2746:20
2683:15,18	2585:7,12	2695:18	2745:15,16	2750:12
2691:23	2623:6 2638:1	transformation	2746:13,15	2752:20
2693:10 2694:5	topic 2661:15	2644:9	2763:4 2764:23	2776:12,13,14
2702:13	topically 2636:2	Transformatio	2770:17	two-thirds
2713:15	total 2483:13	2643:24	2784:10	2706:23 2707:4
2728:18,23	2485:2 2490:6	transforming	<b>try</b> 2479:19	type 2482:15
2733:14	2633:22 2735:6	2730:9	2512:19	2497:11
2746:12	2750:18	translated	2554:16	2631:13
2748:25	2756:15,16	2784:8	2595:10 2660:3	2669:17
2750:10,16	2759:12,21	transmission	2689:24 2759:7	2755:15,24
2765:13	2761:20	2751:17	2768:24	2757:25
2769:17	2776:10	transparent	trying 2479:8	types 2502:5
2777:16,16	traditionally	2591:22	2480:22	2755:17
2784:11	2724:4	Transportation	2483:19	typically 2481:7
times 2646:13	train 2592:7	2550:8	2517:20	2592:23 2637:9
timing 2518:4,17	trained 2505:16	treatment	2548:23 2551:4	2661:16 2751:3
<b>titled</b> 2667:5	transactions	2694:20,22	2585:15 2625:9	2769:8
today 2490:20	2639:4	trees 2478:20	2636:2 2665:4	
2491:25	transcribed	trend 2519:9,17	2667:13	U
2493:12,24	2545:17	2539:19	2685:19 2745:7	<b>uh-huh</b> 2511:19
2509:24	transcribes	2585:25 2586:1	2745:8 2753:1	2521:20
2528:25 2540:6	2544:6	trends 2514:7,12	2763:23	ultimately
2592:6 2594:1	transcript	2587:9	turn 2499:3,15	2481:14
2622:4 2633:23	2460:3 2464:9	<b>Trial</b> 2550:24	2529:20	2498:20
2657:15 2659:2	2488:19	tried 2480:20	2547:18 2554:6	2507:18
2660:16,18	2531:12	2518:21	2644:17 2671:7	2752:12
2674:22 2679:8	2543:19	trim 2497:6,10	2694:17	<b>unable</b> 2477:18
2680:15	2546:10	2497:11	2695:22	2483:14,21,23
2682:21	2556:12 2560:3	troughs 2509:15	2723:20 2736:2	unanimous
2715:17 2716:9	2587:20	2509:16 2517:5	2746:10	2734:14
2742:13,25	2595:23	2517:8,10,21	turned 2496:18	unbeknownst
2743:2,19	2626:20 2632:5	2729:17	2746:7,7	2677:15
2750:17	2634:19	trucks 2539:13	turning 2735:14	uncertainties
told 2512:10	2644:17	true 2477:4	2736:13	2637:1 2643:13
2513:10 2517:1	2646:25	2478:10	<b>Tuxedo</b> 2462:19	unclear 2730:16
2520:1 2522:15	2678:21	2493:24	two 2509:12	2730:18
2530:8 2550:14	2687:13 2719:4	2499:11	2517:13 2539:3	underlying
2677:14	2784:9,10	2500:19 2518:7	2552:15 2556:7	2639:16
2707:15 2708:8	transcription	2528:3 2538:16	2594:5 2630:18	2643:16 2645:1
2770:16	2784:9	2538:18 2540:6	2634:10	2737:22
	l	l	l	l

	-	ī	ī	
understand	2666:10	2540:18	2699:22 2700:6	2546:12
2478:1 2486:17	2675:16 2681:5	2541:25	2702:17 2703:6	2547:20
2506:18 2508:8	2690:19	2542:10	2711:14 2713:5	wallboard
2508:13	universe 2525:2	2547:20 2549:6	2713:18	2496:19
2520:13	university	2549:15 2716:9	2723:17	Wal-Mart
2529:23	2656:16,20		2724:12 2725:1	2462:22
2592:25 2666:4	unnecessarily	V	2725:18 2726:5	2668:20
2685:18 2691:7	2478:20	vain 2482:13	2729:14 2783:7	Wanachi
2696:6 2703:24	unprecedented	<b>Valley</b> 2679:25	visibility 2520:13	2715:25
2715:5 2722:23	2661:21 2664:1	<b>value</b> 2481:17	vitality 2725:10	want 2463:14
2730:15	unring 2689:24	2639:24	voided 2741:3	2487:2,14
2732:21	<b>unusual</b> 2631:14	2737:21	2744:17	2495:7 2516:11
2740:17 2742:5	2661:12,19	values 2522:12	volatilities	2518:8 2553:4
2745:11 2746:3	2776:19	variables 2725:9	2526:22	2555:6,21
2746:4 2748:10	<b>update</b> 2640:5	various 2513:9	volatility 2504:4	2587:10,12,14
2757:23	2643:19 2678:3	2524:19	2508:3,4	2624:22
2765:24	<b>updated</b> 2686:9	2547:21	2509:8 2511:18	2641:24
2768:11 2770:5	2686:10	2631:11 2690:3	2515:16,22	2662:18
2770:11	upheld 2730:25	2727:5	2522:10,21,25	2664:12 2665:4
understanding	<b>upward</b> 2514:3,7	vary 2711:2	2523:1 2526:22	2666:23
2661:11	2514:12	vast 2463:10	2526:25	2694:18
2666:17	use 2501:21	verbiage 2594:4	2528:14,15,18	2716:12 2722:1
2684:11 2685:2	2505:20	version 2528:9	2529:18,21	2727:16
2689:11 2690:9	2507:14	versus 2542:10	<b>volume</b> 2460:7	2728:24
2730:8,20	2511:11	2622:17	2464:8 2488:18	2738:17
2748:11	2524:23	2730:10	2531:11	2756:14
2752:22 2769:3	2527:13	2744:18	2556:11 2560:2	2766:12
2770:13,19	2540:16 2553:5	2750:14	2587:19	wanted 2481:20
understood	2559:12	2766:23 2771:6	2595:22	2505:4 2513:23
2514:11	2594:11 2595:7	2771:10,16,25	2626:19 2632:4	2549:3 2622:8
2658:24	2631:10	viability 2529:8	2634:18	2623:2 2625:16
undertook	2638:10 2705:7	2707:7 2709:9	2646:24 2670:2	2625:21
2480:25	2767:13,14	2746:18	2687:12 2719:3	2646:12 2662:5
unexpected	2768:5,6	viable 2487:1	vortex 2775:12	2664:13 2727:6
2638:23	2775:12 2776:6	2711:15 2729:3	2775:16	2766:10
<b>unfair</b> 2662:7	users 2462:1	vice-president	<b>voted</b> 2499:25	wants 2463:19
<b>unified</b> 2755:23	2670:24	2666:6	VUYLSTEKE	2463:23
union 2460:9	uses 2549:20	view 2636:15	2461:11	2662:11 2663:7
2461:3 2485:17	2631:9	2642:20 2748:1	<b>W</b>	2665:2 2690:10
2485:20,20	utility 2666:9	viewing 2639:7		Warwick
2486:14,16	2713:25	2643:6 2644:8	wages 2708:17	2714:14
2708:20	2726:11,14	violated 2480:4	wait 2592:6	wasn't 2505:3
Unions 2708:21	utility's 2699:5	violation 2662:8	waited 2705:11	2625:12
<b>United</b> 2494:14	2776:10	Virginia 2694:15	walked 2482:2	2645:10 2661:3
2498:24	<b>U.S</b> 2537:4,7,9	2697:25	Wall 2502:4	2679:2,12
2551:14	2537:12	2698:12,22	2544:23	way 2478:4
2638:25	2539:21	2699:3,8,17,21	2545:16	2480:11 2504:2
	I	I	I	ı

2504:3 2505:11	2697:25	we've 2463:19	2733:11	2545:8,11
2505:14,15,25	2698:12,22	2480:19,20	withstand	2546:3,7,17,20
2506:2 2507:20	2699:3,8,17,21	2483:16 2511:9	2715:15	2552:19 2556:8
2509:11	2699:22 2700:6	2518:21	witness 2492:10	2559:1,25
2511:22	2702:17 2703:6	2541:18	2492:11,12	2586:17
2529:20 2594:3	2711:14 2713:4	2546:22,23,23	2494:7 2498:16	2587:15
2659:12,12	2713:17 2716:1	2585:25 2592:3	2552:17 2630:8	2593:16 2622:1
2664:19 2729:2	2723:17	2592:3,21	2656:7 2657:22	2622:6 2625:17
2751:24	2724:12 2725:1	2593:8 2661:16	2659:19 2661:4	2626:16
2753:23 2771:7	2725:18 2726:5	2690:2,4	2661:20 2662:6	2630:11,14,19
2775:5	2729:13 2783:7	whatsoever	2662:9 2665:25	2631:1,25
<b>Wayne</b> 2492:20	we'll 2488:1,2	2662:11	2673:11	2634:15 2636:3
2780:6	2494:9 2510:1	WHITNEY	2675:10	2646:11,16,21
ways 2505:14	2542:18	2462:13	2677:23	2656:1,5
2767:2,11	2548:22 2556:8	wholesale	2679:17	2657:23 2658:2
weather 2631:16	2587:15 2622:4	2479:11,18,20	2680:19 2682:3	2658:5,7,10,12
2631:17	2626:16	2481:12,12,24	2682:25 2731:7	2658:16,18,22
web 2479:3	2634:15 2679:9	2482:13 2685:4	2733:3 2754:9	2659:8,13
week 2540:23	2686:17 2690:8	2701:20	witnesses	2660:6,14
2552:14	2690:11	2706:14 2722:6	2625:18	2661:16
2622:11	2718:22 2726:4	2722:9,10,22	2661:13	2662:18,22
2670:25	2731:6 2733:15	2730:2,6,10,13	2663:22 2679:8	2664:11,22
2672:13 2692:3	2778:25 2779:1	2747:17	2733:2 2774:18	2665:7,13,20
2743:15,15,19	we're 2463:4,6	2748:15	2774:18	2665:24 2666:1
2747:1,2,3,5	2464:1 2477:4	2755:12	witness's	2666:22
2773:2	2483:4,12	2763:25,25	2661:18	2667:24 2671:2
weeks 2552:15	2488:6 2491:14	2764:5 2771:4	wondering	2671:25 2672:6
weigh 2662:19	2491:20	2774:5,12,19	2676:14	2673:3,8,12
welcome 2548:24	2499:18 2510:4	2774:22 2777:4	2753:21	2675:6,11,14
2679:16	2515:17	who've 2529:25	2756:12	2675:16,18,21
<b>WENDY</b> 2461:3	2519:13,16,19	WILLIAM	Woodruff	2675:23 2676:3
went 2481:11	2523:24,25	2460:17	2460:15 2463:3	2677:5,10,17
2485:7 2520:20	2537:1 2554:2	<b>willing</b> 2481:23	2463:14,18,23	2677:21,25
2522:23	2555:7 2556:4	2482:17 2483:1	2464:3 2477:1	2678:7 2679:7
2545:17	2559:1,22	2547:25	2478:14 2479:3	2679:13,16,18
2593:11	2587:9 2591:22	windows 2549:20	2479:6,12	2680:21 2681:3
2646:13	2592:1 2594:22	2549:21	2480:5 2487:18	2681:5,7,9,11
2699:13	2622:1,7	<b>Winston</b> 2462:6	2487:21 2488:1	2681:14,16,19
2713:11	2625:17	wire 2539:17,17	2488:6,14	2681:21 2683:1
2728:12 2729:6	2631:23 2636:3	wish 2493:14	2491:2 2492:5	2683:7 2685:21
2729:11,19	2656:1 2665:2	2658:25 2675:1	2492:9,14	2686:8,11,15
weren't 2481:23	2676:17,23	2677:6 2691:3	2494:3,9,12,14	2686:19,21
2525:10,13,18	2679:4 2686:5	2733:6	2494:17,20,24	2687:8 2689:1
2541:22	2731:10	wished 2636:14	2498:17 2531:5	2689:20 2690:8
2547:25	2738:10 2745:3	2637:18	2531:8 2537:1	2690:17,19,23
2591:14	2745:4,5,7,7	wishes 2625:20	2542:18,23	2692:17 2698:8
west 2694:15	2776:24	withhold	2544:14,18	2698:18
L	I	I	ı	

2709:17,25	2494:22	2666:25	2765:3 2777:17	2749:20
2710:3 2717:25	2496:24 2497:8	2737:20	vesterday 2463:6	2750:14
2718:20,25	2497:12,23	2753:24 2772:6	2478:22 2490:1	2771:15,20
2723:11	2498:11 2501:6	year 2496:16	2508:10	2778:2
2726:22 2731:4	2503:5,7,14	2498:25 2505:2	2510:18	<b>\$38</b> 2754:25
2731:9,14	2511:14	2506:13,15,15	2512:14 2515:2	<b>\$4.40</b> 2739:13
2732:3,8,12	2512:20,22	2507:1,5,7,15	2515:4 2541:8	<b>\$40</b> 2644:5,14,25
2733:6,10,15	2513:14 2515:4	2507:20,20	2658:24	2645:6,10
2733:22,25	2524:9 2623:14	2509:19	2679:12	2746:1
2741:8 2744:11	2638:22	2510:11 2511:3	York 2701:14	<b>\$50</b> 2641:20,25
2747:9 2749:3	2682:12	2511:4 2514:9	2702:17 2703:6	2642:4
2755:5 2756:4	2684:12 2714:5	2527:13	2711:13 2712:2	<b>\$668</b> 2484:9
2759:1 2763:7	2768:20	2538:16,18,20	2712:5,5	<b>\$8.25</b> 2762:17
2766:6 2768:17	worked 2482:13	2539:3 2559:19	2722:2,8,16	<b>\$85</b> 2640:7
2772:4 2778:13	2495:15 2496:2	2631:9 2644:5	Young 2497:18	2644:11,12
2778:21,24	2496:14 2497:3	2644:14,25	2497:19	<b>\$9</b> 2762:21,23
Woodsmall	2497:17	2645:7 2663:20		<b>\$9.5</b> 2761:8
2462:5,6	2511:22 2513:5	2666:15 2668:7	Z	
2494:13 2658:6	2513:11,13	2692:9 2693:8	zero 2729:20	0
2675:15 2681:4	working 2488:9	2697:6 2704:2	ф.	<b>0036</b> 2687:2
2683:8,10	2495:21 2520:6	2717:9 2728:22	\$	<b>0224</b> 2702:25
2685:12 2686:1	2779:2	2744:1 2751:6	<b>\$1.06</b> 2509:5,7	<b>0225</b> 2707:11
2686:10,13,16	works 2502:10	2751:22	2522:9	<b>08</b> 2622:17
2686:20,22	2670:23	2765:13	<b>\$1.60</b> 2755:1	
2687:6 2689:5	world 2542:11	2775:13,13	<b>\$100</b> 2769:13	$\frac{1}{1.2714.0.2725.10}$
2689:21,22	worry 2499:18	years 2504:24	<b>\$15</b> 2483:22	1 2714:9 2725:19
2690:16 2694:4	2591:7	2505:2 2506:14	2484:5	2739:18 2750:3
2718:23 2734:1	worse 2524:7,8	2506:19,20,21	<b>\$150</b> 2762:10	2750:5,21,22
2734:4 2738:11	worst 2550:11	2507:2,3,6,6,14	<b>\$170,000</b> 2634:6	2756:13 2759:8
2738:15,20	worth 2484:10	2507:15,20,21	<b>\$20</b> 2699:23	2759:15
2741:6 2759:2	2642:4	2507:22,25	<b>\$200,000</b> 2634:7	<b>1J</b> 2724:13
2759:4,15,19	wouldn't	2509:1,13,20	<b>\$23.50</b> 2736:10	2725:2 2726:6
2759:20	2547:24 2548:4	2510:6,21	<b>\$265</b> 2484:7	<b>1.1</b> 2670:13
2769:12 2775:1	2548:6 2671:18	2514:1 2519:10	<b>\$28.03</b> 2751:9	<b>1.15</b> 2670:15
2781:10,14,20	2677:24	2519:15 2522:9	<b>\$29</b> 2767:3,8,23	2756:22
2782:2	2745:15	2526:21	2768:7	<b>1.18</b> 2756:25
word 2517:19	<b>writing</b> 2624:2	2528:13 2542:1	<b>\$29.39</b> 2751:10	2757:10
2521:16 2553:6	written 2699:10	2542:12	<b>\$30</b> 2633:19	<b>1.2</b> 2750:6
2554:3 2683:18	2706:8	2630:18,21	<b>\$300</b> 2715:16	<b>1.23</b> 2766:15
2684:7,9	wrong 2464:2	2664:1,23	<b>\$32.50</b> 2770:20	<b>1.29</b> 2757:3,10
worded 2753:2	2548:3 2637:16	2666:20	2777:18	<b>1.3</b> 2666:14
words 2518:6	2637:17	2689:25 2691:8	<b>\$33</b> 2760:9	<b>1.32</b> 2756:17
2594:12,15,18	<b>T</b> 7	2692:22,24	2766:11,14	<b>1.38</b> 2757:14
2676:20	<u>Y</u>	2693:1,1,13,13	<b>\$33.2</b> 2750:5	<b>1.39</b> 2757:13
work 2484:21	<b>Y</b> 2460:17	2727:21	<b>\$34</b> 2732:1	<b>1.5</b> 2670:15
2486:25	Yeah 2527:24	2729:14	2733:13	2757:20
2487:14	2587:11 2641:5	2746:18,19,20	2741:17,25	<b>1.64</b> 2736:22
1		l	l	l

<b>1.81</b> 2736:8,12	2709:12 2729:3	2636:13	2645:21 2669:1	2531-2536
<b>1/10ths</b> 2757:9	2740:9 2751:20	2637:12	2685:6 2702:14	2531:11
<b>1:30</b> 2622:4	<b>12th</b> 2735:11	2642:22 2643:3	2703:11,23	<b>2542</b> 2783:3,4,5,6
<b>10</b> 2504:24	2784:19	2706:18	<b>2015</b> 2460:5	<b>2544</b> 2783:3
2505:2 2506:13	<b>12/31/14</b> 2782:14	2715:16 2716:8	2486:3,6	<b>2545</b> 2783:4
2506:15,19	<b>12:30</b> 2622:4	2724:12 2725:2	2515:25 2527:9	<b>2546</b> 2783:5,6
2507:12,25	<b>13</b> 2630:22	2725:19 2726:6	2537:25	2556-2558
2510:11 2511:2	2751:20	2750:20	2667:20	2556:11
2511:4 2522:9	<b>136</b> 2553:19	<b>2,000</b> 2487:9	2784:19	2560-2584
2526:21	2554:1	<b>2.01</b> 2737:9	<b>2016</b> 2514:7,17	2560:2
2527:12	<b>137</b> 2553:3,20	<b>2.1</b> 2670:8	2515:25 2538:1	<b>2586</b> 2780:9
2666:20 2693:1	2554:2,8,21	2752:17	2640:8	2587-2590
2693:8,13	<b>14</b> 2585:19	<b>2.22</b> 2737:9	<b>2017</b> 2484:2	2587:19
2765:3,13	2667:12 2668:5	2752:17	2490:21 2514:9	<b>2593</b> 2780:10
<b>10K</b> 2478:17	2668:11	<b>20</b> 2663:24	2514:12,17	2595-2621
2498:19,23	<b>15</b> 2483:12	<b>200</b> 2461:8	2515:25	2595:22
2500:9 2593:9	2487:20	2462:10,15	2527:19,21,25	<b>2610</b> 2780:11
2633:5 2639:8	2507:12 2585:8	2784:5	2528:10 2530:1	<b>2626</b> 2626:19
2639:14 2643:8	2585:22 2664:1	<b>2000</b> 2553:15	2530:15 2538:9	2780:12
2645:21	2664:23	2554:7,11,24	2538:24	<b>2629</b> 2626:19
2782:14	<b>16</b> 2495:12	<b>2006</b> 2729:13	<b>2018</b> 2514:17	2780:13
<b>10Ks</b> 2630:5,18	2553:16	<b>2009</b> 2687:4	2528:3 2538:6	<b>2631</b> 2780:14
<b>10Qs</b> 2593:9	2554:21	2696:14 2697:9	<b>2019</b> 2484:2	<b>2632</b> 2632:4
<b>10.1</b> 2735:4	2723:20	2729:21	2490:21 2528:5	2634-2635
<b>100</b> 2716:13	<b>16.584</b> 2749:20	<b>2010</b> 2685:13	<b>2020</b> 2528:7	2634:18
2769:12	2763:13	2686:2 2689:25	<b>211</b> 2461:13	2646-2655
<b>101</b> 2462:3	<b>16.6</b> 2758:21	<b>2011</b> 2491:13	<b>22</b> 2499:15,20	2646:24
<b>103</b> 2762:1,3	<b>162</b> 2634:12	<b>2012</b> 2491:7	2622:12	<b>2656</b> 2780:17
<b>11</b> 2460:5	<b>17</b> 2737:2,18	2630:6 2633:2	<b>221</b> 2462:3	<b>2657</b> 2782:22,23
2511:17,21	2738:2 2739:20	2686:2 2735:12	<b>2230</b> 2462:9	<b>2658</b> 2782:22,23
2513:23 2525:1	2740:21	<b>2013</b> 2491:12	<b>24</b> 2670:25	<b>2667</b> 2780:20
2525:2,5,6,22	<b>174</b> 2634:11	2493:21,22	2716:14	<b>2669</b> 2780:21
2526:13 2550:8	<b>18</b> 2477:4	2495:10 2498:2	2724:12 2725:1	<b>2671</b> 2780:22
2622:17	2692:11 2744:3	2585:23 2630:5	2725:19 2726:6	<b>2672</b> 2780:23
2676:10 2757:9	2744:18 2745:8	2633:7 2696:14	<b>2462</b> 2782:14	<b>2673</b> 2781:2
2757:10	2758:15,16	2697:25	<b>2464</b> 2780:4	<b>2674</b> 2782:24,25
11th 2460:24	<b>18.5</b> 2750:9	2698:13	2464-2476	<b>2675</b> 2782:24,25
<b>11/10ths</b> 2757:5	2758:16,18	2729:22 2783:7	2464:8	<b>2676</b> 2781:3
2757:11	<b>1800</b> 2461:21	<b>2014</b> 2482:21	24642471	<b>2679</b> 2781:6
<b>11/100ths</b> 2757:8	<b>19</b> 2694:19	2498:19 2499:1	2782:13	<b>2680</b> 2782:20,20
<b>111</b> 2461:8	<b>19th</b> 2703:11	2545:14	<b>2479</b> 2782:14	2782:21,21
<b>115</b> 2630:5,23	<b>1901</b> 2461:4	2585:18 2631:9	2488-2489	<b>2682</b> 2781:9
<b>116</b> 2630:5,23	<b>1980</b> 2716:9	2631:17 2633:9	2488:18	2782:18,19
<b>12</b> 2490:5,6,8		2636:7,8,11	<b>2492</b> 2780:7	<b>2683</b> 2781:10
2518:16	2	2637:5 2639:6	<b>2493</b> 2782:16,17	2687-2688
2630:22	<b>2</b> 2478:4 2518:13	2639:15 2640:8	<b>2494</b> 2782:16,17	2687:12
2707:25	2518:15	2642:13 2645:5	<b>2495</b> 2780:8	<b>2690</b> 2781:11
	l	<u> </u>	<u> </u>	<u> </u>

2602.2701.12	25.62.20	1 42 2550 25		
<b>2692</b> 2781:12	2762:20	<b>43</b> 2750:25	2752:3 2759:5	2675:5,6
<b>2698</b> 2783:7,7,10	<b>33.2</b> 2750:2,19,22	<b>456</b> 2461:18	<b>554-2237</b> 2461:5	2782:24
<b>2718</b> 2781:13	2750:23	<b>48</b> 2736:20	<b>573</b> 2461:19	<b>609</b> 2674:6,13,18
<b>2719</b> 2781:14	<b>33.21</b> 2759:12,21	2737:3,11	2462:16,20	2675:5,6
2719-2721	2761:8	2738:25 2739:2	573)443-3141	2782:25
2719:3	<b>34</b> 2464:8	2740:19,20	2461:9	621-5070
<b>2723</b> 2781:16	2488:18	2760:20 2763:2	573)556-6622	2461:22
<b>2727</b> 2781:17	2498:10	2775:2	2462:4	<b>63rd</b> 2462:23
<b>2728</b> 2782:15	2531:11	5	573)751-4857	<b>63101</b> 2460:25
<b>2732</b> 2782:10,11	2556:11 2560:2		2462:11	<b>63102</b> 2461:14
2782:12	2587:19	<b>5</b> 2543:4 2695:1	573)797-0005	<b>63103</b> 2461:5
<b>2734</b> 2781:20	2595:22	2701:11	2462:7	<b>63105</b> 2461:22
<b>2741</b> 2781:21	2626:19 2632:4	2763:13	<b>58</b> 2485:2,3	<b>63119</b> 2462:19
<b>2744</b> 2781:22	2634:18	2778:25 2783:5		635-7166
<b>2747</b> 2781:23	2646:24	<b>5,000</b> 2758:2	6	2461:19
<b>2749</b> 2781:24	2687:12 2719:3	<b>50</b> 2507:12	<b>6</b> 2543:6 2695:23	<b>650</b> 2462:10
<b>2755</b> 2781:25	2760:15 2778:4	2641:1,8	2696:12	<b>65101</b> 2462:7
<b>2756</b> 2782:1	<b>35</b> 2746:1,7	2769:22 2770:8	2701:11	65101-1575
<b>2759</b> 2782:2	2753:19	2770:10	2724:13 2732:4	2462:3
<b>2766</b> 2782:4	2775:23	<b>503</b> 2731:18	2735:15 2751:2	<b>65102</b> 2461:18
<b>2768</b> 2782:5	<b>35.1</b> 2749:25	2732:13,17	2759:16,20	2462:15 2784:6
<b>28</b> 2767:3,8,23	<b>36</b> 2737:6	2782:10	2783:6	65102-2230
2768:7	<b>360</b> 2462:14	<b>504</b> 2731:18	<b>60</b> 2751:22	2462:10
	<b>3600</b> 2461:13	2732:14,17	2752:3	65205-0918
3	<b>37</b> 2510:21	2782:11	<b>600</b> 2493:6	2461:9
<b>3</b> 2542:22	2754:24	<b>505</b> 2731:18	2494:2,3	<b>69</b> 2542:18,20
2550:23,24,25	<b>37.95</b> 2754:25	2732:14,17	600HC/NP	2543:8,18
2634:11	<b>38</b> 2754:25	2782:12	2782:16	2544:12,14
2710:10 2716:8	2757:15	<b>532</b> 2464:1,4,6	<b>601</b> 2493:6	2545:4 2547:10
2760:19 2783:3		2555:24	2494:2,3	2550:24
<b>3.96</b> 2739:24	4	2782:13	2782:17	2644:18 2783:3
<b>30</b> 2765:4,5,6	<b>4</b> 2543:1 2547:19	<b>533</b> 2477:4	<b>602</b> 2682:17,24	
<b>31</b> 2498:19	2548:11,12,14	2478:13,14	2683:1 2782:18	7
2499:1 2645:21	2551:8,12	2479:13	<b>603</b> 2682:17,24	<b>7</b> 2637:10
<b>312</b> 2461:17	2694:17 2710:9	2498:20,21	2683:1 2782:19	2639:22,23
<b>314</b> 2461:5,22	2710:10 2783:4	2782:14	<b>604</b> 2680:12,19	2643:22,23
314)259-2543	<b>4.4</b> 2739:24	<b>534</b> 2731:25	2680:21	2695:25
2461:14	<b>4:50</b> 2779:5	2732:4,11,18	2782:20	2697:24 2732:4
<b>32</b> 2716:9	<b>400</b> 2462:23	2741:12	<b>605</b> 2680:12,19	<b>70</b> 2542:25
<b>32.50</b> 2736:6	<b>405</b> 2462:24	2746:22	2680:21	2543:8 2545:1
2738:13,15,21	<b>41</b> 2746:8	2749:16	2782:21	2545:2,7,8
2750:14	<b>42</b> 2746:8	2750:13	<b>606</b> 2657:9,10,11	2547:18
2777:24 2778:3	<b>42.698</b> 2760:22	2756:12 2759:9	2657:23	2548:15 2585:2
<b>33</b> 2460:7	2761:7	2763:11 2775:2	2782:22	2585:7 2636:8
2498:10	<b>42.7</b> 2762:20	2778:8,12,13	<b>607</b> 2657:9,11,24	2642:16 2783:4
2500:11,22	424-6779	2782:15	2782:23	<b>71</b> 2543:3,8
2760:12	2462:20	<b>54</b> 2751:22	<b>608</b> 2674:6,13,15	2545:20 2546:2
			, , ,	

1			
2546:3 2636:8			
2783:5			
<b>711</b> 2460:24			
<b>72</b> 2543:5,8			
2546:10,16,17			
2641:13 2783:6			
<b>73</b> 2633:8 2698:9			
2698:11,17,18			
2723:17 2783:7			
<b>73105</b> 2462:24			
751-3234			
2462:16			
<b>7700</b> 2461:21			
7700 2401.21			
8			
<b>8</b> 2732:4 2736:14			
2753:9 2759:18			
2760:19 2775:1			
<b>8:24</b> 2463:2			
<b>8:30</b> 2779:1			
<b>807</b> 2462:6			
848-1014			
2462:24			
<b>871</b> 2462:19			
<b>88</b> 2633:6			
9			
9 2732:5 2735:15			
2736:2 2739:12			
2750:3,5,19,21			
2756:13 2759:8			
2759:16			
9th 2461:8			
2667:19			
<b>9:20</b> 2488:3			
<b>918</b> 2461:8			
<b>92</b> 2758:4			
<b>94</b> 2633:10			
<b>95</b> 2752:18			
2764:12			
<b>979</b> 2686:20,23			
2689:2 2690:12			
<b>979HC</b> 2783:10			
<b>98</b> 2553:14			
2554:7,11,23			
<b>99</b> 2553:14			
2554:7,11,24			
		•	