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PROCEEDINGS
(Whereupon, the hearing began at 8:24 a.m.)
JUDGE WOODRUFF: Let's come to order.

We're back for another day of the Ameren rate case
hearing, ER-2014-0258, and when we left off
yesterday Mr. Smith was on the stand and we're
about to commence with redirect.

Mr. Smith you can come forward.
MR. MALLIN: Thank you, Your Honor.
The vast majority of the redirect will be under
highly classified or HC. When I reach a point
where I can come off I'll alert Your Honor and the
attorneys present.

JUDGE WOODRUFF: So you want to begin in HC?

MR. MALLIN: All right. We will
begin In camera.

JUDGE WOODRUFF: Before we get
started we've got some fans here if anyone wants
them out there.

Are we okay back here?
CHAIRMAN KENNEY: I'm okay so far.
JUDGE WOODRUFF: If anybody wants to plug in a fan feel free.

MR. MALLIN: I'm going to have marked
the liquidity chart, $I$ believe we're on 532 if I'm
correct and if I'm wrong I apologize, Your Honor.
JUDGE WOODRUFF: That is correct,
532.
MR. MALLIN: Thank you, Your Honor.
This is 532.
(REPORTER'S NOTE: An in-camera session was held,
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JUDGE WOODRUFF: And we are back in
regular session.
Q. (BY MR. MALLIN) And again Mr. Smith we're now on page 18 of Exhibit 533, is that true?
A. Yes, it is.
Q. What information is being conveyed here with respect to the rod mill at the New Madrid facility as part of Noranda's disclosures with the SEC?

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    A. First it indicates that we have
    temporarily delayed the rod mill and this is in
    response to our ongoing negotiations with Ameren,
    and we note that there can be no certainty as to
    when we will be able to complete the construction
    of the rod mill.
    Q. Is there any discussion with regard
to whether, and what may happen if Noranda is
unable to complete the rod mill?
    A. Yes, there are.
    Q. What is disclosed there?
    A. Well, again I could read that as
well. There are a number of items that are listed.
    Q. Can you give us a list?
    A. Okay. And I'm sorry, could you just
repeat the question please?
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Q. Sure, and I apologize, I understand you had surgery on your eyes, perhaps that was inappropriate for me to have -- let me do this this way: In paragraph 2 of this particular paragraph, Mr. Smith, does Noranda identify for the public and Securities and Exchange Commission what may happen if it does not complete the rod mill?
A. Yes, it does.
Q. In terms of what penalties may exist and things of that nature, true?
A. Yes.

MR. MALLIN: Your Honor we would move for the admission of Exhibit 533.

JUDGE WOODRUFF: 533 has been

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    offered. Any objection to its receipt?
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    MS. TATRO: Your Honor I note it's
    not a complete copy of the 10K, just excerpts and
to the extent that MIEC would provide the entire
portion for the record, $I$ appreciate not killing
trees unnecessarily, but --

MR. MALLIN: I would be more than
happy to do that, $I$ know it was used yesterday and
I believe, $I$ don't know if it was in its entirety
but I can substitute that.

And Your Honor I believe we need now

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    to remove the chart as well from the television
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    to remove the chart as well from the television
    screen.
                            JUDGE WOODRUFF: It's not being web
    cast.
    MR. MALLIN: Okay.
    JUDGE WOODRUFF: The camera was not
    pointed at it but I appreciate that.
    MR. MALLIN: Just trying to be very
    careful. Thank you.
    Q. (BY MR. MALLIN) Let's talk a little
    bit about this wholesale proposal --
                            JUDGE WOODRUFF: I'm sorry, I don't
    think I made a ruling. }533\mathrm{ will be admitted with
    the substitution.
    MR. MALLIN: Thank you, Your Honor, I
    apologize.
    Q. (BY MR. MALLIN) Let's talk a little
    bit Mr. Smith about the wholesale proposal. Do you
    believe Noranda did everything it could to try to
    get to a wholesale proposal agreement with Ameren?
    A. Yes, I do.
    Q. There seems to have been some
    suggestion that somehow you may have reached a
    fiduciary duty by not agreeing to one, do you
    believe that to be the case?
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that is absolutely a mischaracterization of what \(I\)
    stated. I did not state that anyone at Noranda
    violated a fiduciary duty.
    JUDGE WOODRUFF: Okay. That's what I
    recollect as well.
    You can go ahead and answer that
    question about fiduciary duty --
    MR. MALLIN: I'll restate it Judge.
    Q. (BY MR. MALLIN) Do you believe in
any way, sir, you breached any sort of fiduciary
duty as the CEO off Noranda in not reaching that
agreement with Ameren?
    A. Absolutely not.
    Q. Why not?
    A. First and foremost we entered into
good faith negotiations with Ameren. We, for a
    number of reasons. First and foremost they're our
    largest supplier and we felt, we've always in every
    one of the rate cases we've always tried to get to
    a global settlement and we became very passionately
    committed to trying to get to a global settlement
    in this case in part to address some of the
    questions and directions from the Public Service
    Commission itself. So we undertook these
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negotiations in the best of faith and I can tell
you that I believe that Ameren did as well. Their
focus and their commitment of time, Michael Moehn
was very professional, we routinely met at the drop
of a hat, we had at least eight meetings face to
face, the first started with our teams and then
typically as we got later in the negotiations he
and I, well in all the negotiations he and I would
always have one-on-one time together and in many of
our later meetings it was just he and I meeting
together. We went through and looked at both
retail and wholesale structures, a wholesale
structure was proposed by Ameren to provide a rate.
We spent a lot of time on this and we ultimately
got to a point where we, there was risk created by
this structure that was, our principle had always
been if we could get the available value at the
same risk we were really quite indifferent to the
structure as long as our behaviors and the
behaviors that we wanted to exhibit could still, we
would still be participating in the process, things
like that, and we just got to a point where we had
an impasse because we weren't willing to take the
incremental risk associated with the wholesale
structure and nor was Ameren.

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

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

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

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    with our, the first phases of our layoffs we had
    reduced in total approximately 58, well not
    approximately, we had reduced 58 people. When we
    encountered our difficulties associated with the,
    when we encountered our difficulties associated
    with the pot lines and we had this surge of pot
    lines that went out because we rebuilt so many at
    one time because of the ice storm and then we had
    some early pot failures the reality was we just
    didn't have the manpower to get those lines back up
    and running and if you run below a certain level of
    pots you can actually have a pot line or more just
    spontaneously go down so we had to rebuild these
    pots. In order to rebuild the pots we were going
    to have to bring specialized contractors to do so,
    in order to do that we were going to have to get
    the cooperation of the union because that's a
    contracted for, that's a contracted for, it's a
    contracting out and that requires approval from the
    union. So what we agreed with the union in order
    to be able to accommodate bringing in those
    contractors was that we would delay, we would bring
    additional Noranda employees into the system and
    then we would delay the layoffs that, any
    consideration of the layoffs that we had announced
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\begin{tabular}{|c|c|}
\hline 1 & in our previous rate case testimony until the end \\
\hline 2 & of May. \\
\hline 3 & Q. May of 2015? \\
\hline 4 & A. That's correct. \\
\hline 5 & Q. And over that period of time, so May \\
\hline 6 & of 2015, why was that date chosen? \\
\hline 7 & A. Well, first we expected to have a \\
\hline 8 & determination of the rate case by then because we \\
\hline 9 & communicated that look, if we had the rate we would \\
\hline 10 & obviously honor the head count commitments and we \\
\hline 11 & would be running the plant and taking the first \\
\hline 12 & steps on our journey on sustainability. If we \\
\hline 13 & didn't have the rate then all bets were off and I \\
\hline 14 & had personal conversations with the union about \\
\hline 15 & that, there was obviously, you know, that was a \\
\hline 16 & direct communication by me to the union. \\
\hline 17 & Q. And just so that I understand, why \\
\hline 18 & would Noranda be repairing or replacing a pot if it \\
\hline 19 & was thinking about whether or not to curtail the \\
\hline 20 & plant? \\
\hline 21 & A. Well, as I mentioned earlier the cost \\
\hline 22 & of restarting these things can be, especially in \\
\hline 23 & our circumstance, prohibitive. We have now made \\
\hline 24 & the decision to shut down the plant yet we are \\
\hline 25 & still very hopeful that we can work together to get \\
\hline
\end{tabular}
rate relief and to make the facility viable and so
we didn't want these things to shut themselves
down.
    Q. Any safety issue associated with the
shutdown?
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    A. That's another huge issue for us,
    when you put people into an environment where a
facility that large when each one of these pot
lines is over 2,000 feet long and if they go out of
control and start shutting themselves down then,
you know, obviously we have a concern. We know how
to run plants safely and frankly we know how to
deal with them when we have severe challenges but
you just don't want to expose your work force to
that kind of challenge.
MR. MALLIN: Your Honor this next
section will need to be In camera.
JUDGE WOODRUFF: Before we go In
camera how much more do you have?
MR. MALLIN: }15\mathrm{ minutes probably.
JUDGE WOODRUFF: The reason I ask is
because the people are here to fix the air
conditioning.
MR. MALLIN: Let's recess and let
them do that.

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JUDGE WOODRUFF: We'll take a short
break before going In camera and we'll come back at
9:20.

MR. MALLIN: Thank you, Your Honor.
(RECESS TAKEN BY PARTIES)
JUDGE WOODRUFF: All right, we're
    back from our break and ready to get started and
    hopefully the air-conditioning is going to be
    working a little bit. I see some thumbs up out
    there so hopefully it will be a little bit cooler
    at this point.

MR. MALLIN: Thank you, Your Honor.
Are we in \(H C\) at this point?

JUDGE WOODRUFF: We will go into HC at this point.
    (REPORTER'S NOTE: An in-camera session was held,
    which is contained in Volume 34, pages 2488-2489 of
    the transcript.)
Q. (BY MR. MALLIN) Yesterday you were asked some questions about Apollo. Just so that
    I'm perfectly clear what is the actual number of
    directors on Noranda's board?
    A. There are 12 including myself.
    Q. \(\quad 12\) in total.
    A. Yes.
    Q. And of the 12 how many are
    independent as reported to the SEC and others?
    A. There are four Apollo directors then
myself and then seven independents.
Q. There were dividends paid in the past to all shareholders, special dividends, is that not right, sir?
A. Yes, that's correct.
Q. One of whom would have been Apollo.
A. That's correct.
Q. Do you believe that any of those
special dividends paid in the past affects
Noranda's ability today to be able to refinance its
    debt in 2017 and 2019?
    MS. TATRO: I'm going to object that
    this is beyond the scope of any cross that, recross
    that I asked or commissioner questions. It may be
    responsive to an opening statement but that's not
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what redirect is for.

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    JUDGE WOODRUFF: I'm going to
    overrule the objection, \(I\) think it's fair.
    A. I think the issues associated with
Apollo in general and in whole are really old news.
The last dividend, special dividend that we did was
in 2012 and I would like, and that was actually a
question that was asked by Commissioner Kenney, I
would like to make one correction to the answer
that I gave.
    Our first regular quarterly dividend
didn't start in 2013, it was actually the first
quarter of 2011 so it was actually a little bit
earlier than what \(I\) stated. Really what we're
talking about now when it comes to affordable
power, and this is really all about affordable
power and how we go forward is, you know, the
future of New Madrid so frankly I think the
discussion of Apollo is a bit of a red herring and
I think that the reason that, why we're here, is to
address the issue of us having an affordable and
sustainable power aid.
    Q. Just one last question Mr. Smith so
that I'm clear. Are you employed in any capacity
today by Apollo?
A. I am not and never have been. I've
never received a paycheck from Apollo. I've always
been employed by the company that I run.
    MR. MALLIN: Thank you, Your Honor.
    JUDGE WOODRUFF: And Mr. Smith you
    can step down.
    A. Thank you. Thank you very much for
    your time.
            JUDGE WOODRUFF: And the next Noranda
    witness then would be Mr. Boyles.
            (Whereupon, the witness was sworn)
            MR. MALLIN: Has the witness been
sworn?
                    JUDGE WOODRUFF: Yes.
            MR. MALLIN: Okay. Thank you, Your
Honor.
            DIRECT EXAMINATION
QUESTIONS MR. MALLIN:
    Q. Could you state your full name?
    A. Dale Wayne Boyles.
    Q. Mr. Boyles, by whom are you employed?
    A. Noranda Aluminum.
    Q. In what capacity?
    A. As chief financial officer.
    Q. And did you cause to have prepared
and filed with the Public Service Commission
certain direct and surrebuttal testimony for this
    case?
    A. Yes, I did.
    Q. And are those before you as Exhibit
    600 with regard to your direct testimony and 601
with regard to your surrebuttal testimony?
    A. Yes.
    Q. And if I were to ask you the
questions that are posed in both of those
testimonies would your answers to those questions
be the same today?
    A. Yes.
    Q. Is there any changes that you wish to
make with regard to those testimonies other than
the start date that you had for Noranda?
    A. No other changes other than the start
date.
    Q. And in order to be complete for the
    record what was your start date at Noranda?
    A. It was November of 2013, not October
    of 2013.
    Q. And other than that change are all of
those answers still true and correct today?
    A. Yes, they are.
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    MR. MALLIN: Your Honor I'd move for
    the admission of Exhibits 600 and 601.
    JUDGE WOODRUFF: }600\mathrm{ and }601\mathrm{ both HC
    and NP have been offered, any objection to their
    receipt?
            Hearing none they would be received.
            MR. MALLIN: I tender the witness
    Your Honor.
            JUDGE WOODRUFF: We'll begin with
    Public Counsel.
MR. ALLISON: No questions.
JUDGE WOODRUFF: MECG?
MR. WOODSMALL: No questions.
JUDGE WOODRUFF: Then for United For
Missouri?
MR. LINTON: No questions.
JUDGE WOODRUFF: For Staff?
MR. THOMPSON: No questions. Thank
you, Judge.
JUDGE WOODRUFF: Ameren.
MR. NELSON: If it please the Court
I'm going to work from the podium because I'm going
to be back and forth from the Elmo quite a bit.
JUDGE WOODRUFF: That is helpful.

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\section*{CROSS EXAMINATION}

QUESTIONS BY MR. NELSON:
Q. Good morning Mr. Boyles.
A. Good morning.
Q. Nice to see you again, sir.
A. Nice to see you.
Q. I want to follow up little bit on your experience and your job history. As you've just mentioned you've been the CFO at Noranda since November of 2013 , correct?
A. That's correct.
Q. So a little over what, 16 months?
A. Approximately.
Q. There about. Before that, your job before that you worked for an apparel company, correct?
A. Correct.
Q. Hanes.
A. Hanes Brands.
Q. Would it be fair to say when you were working with Hanes Brands you didn't have any experience in the metal industry?
A. That would be fair.
Q. They do a lot of things but aluminum isn't one of them, correct?

aluminum prices.
A. No.
Q. Before that you worked at a company called Collins and Aikman, correct?
A. That's correct.
Q. They did automotive trim products?
A. That was one of their segments.
Q. They didn't work in the aluminum
industry.
A. No. It was interior trim and
exterior trim type products.
Q. And you didn't do any work in terms of metal, aluminum price forecasting, aluminum price scenarios and things like that when you were at Collins and Aikman, fair?
A. That's fair.
Q. And before that you worked at a
different accounting firm, Arthur Young, correct?
A. Yes, they became Ernst and Young.
Q. That was one of the big six and know what are we down to, three or four I guess?
A. Four.
Q. Likewise no work on metals issues
that you can recall, correct?
A. Not that \(I\) can recall.
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    Q. So really the aluminum industry is
    brand new to you as of 2013, fair?
A. It's fairly new, yes.
Q. Now, there's been some discussion in
this case about a company called Apollo. You're
familiar with Apollo.
A. Yes.
Q. And Apollo owned a pretty good chunk
of Noranda's stock, fair?
A. Yes, approximately 33, 34 percent.
Q. And as part of your work as CFO you
have to sign off on SEC documents from time to
time, correct?
A. That's correct.
MR. NELSON: Your Honor, may I
approach the witness?
JUDGE WOODRUFF: You may.
Q. (BY MR. NELSON) I'm going to hand
you a 10K from December 31, 2014, part of it's been
marked as 533 and I believe ultimately the entire
thing will be substituted in as 533. So looking at
that you see on the front cover, do you recognize
that as Noranda Aluminum Holding Corporation's 10K
filing with the United States Securities and
Exchange Commission for the year ending December

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31, 2014?
A. That's correct.
Q. And if you turn to the very back of
that document, the very last, very, very last page
there's a Chief Financial Officer Certification,
correct?
A. Yes.
Q. And that's your signature.
A. That's correct.
Q. And you signed that saying that everything in here is true to the best of your knowledge and belief, correct?
A. That's correct, to the best of my
knowledge.
Q. If you turn, sir, to page 22 of the document, right at the top of the page.
A. Okay. I'm sorry.
Q. We're here all day so don't worry
about it.
Right at the top of that page 22
there's a statement about Apollo, correct?
A. That's correct.
Q. If you read along with me, Apollo has the ability to substantially influence our company and the outcome of matters voted upon by our
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shareholders and to prevent actions which a
shareholder may otherwise do favorably.
Did I read that correctly?
A. Yes.
Q. That's a statement to the Securities
and Exchange Commission about Apollo's continuing
influence over Noranda, fair?
A. It is a risk factor that we list in
our 10K.

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    Q. And the next paragraph down you talk
        about Apollo owning a little over 33 percent of the
        common stock, do you see that?
            A. Yes.
            Q. And that paragraph ends with the
sentence thus, Apollo has the ability to
    significantly influence our decisions.
                            Did I read that correctly?
    A. Yes.
    Q. Likewise a true statement?
    A. They do through being members of the
board of directors, yes.
    Q. And the fact that they're a 33
percent shareholder of the company, correct?
    A. Well, we have to have an independent
board per the Stock Exchange rules so they could


25 in there.
A. I didn't question anything, I've certainly looked at his observations and took them into context of all scenarios that we prepared.
Q. In fact, you relied on some of Mr .
Pratt's testimony to do some of the work you did in
this case, correct?
A. That is correct. We work very closely with CRU.
Q. And you're aware that CRU puts out quarterly and annual forecasts of aluminum prices, correct?
A. Yes.
Q. And those are forecasts that you rely upon in your daily work?
A. Occasionally in preparing forecasts, yes.
Q. And you did some scenarios, now you also did some scenarios in this case of hypothetical future aluminum prices, correct?
A. That's right. As part of our risk contingency plan.
Q. Let's talk about the scenarios you put together.

I'm sorry, did you say you did that as part of your risk contingency plan?
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A. Yes. We did some, you know, these scenarios as a way to demonstrate the likely
outcomes but we didn't have a way to analyze the
volatility of aluminum prices prior to my arriving
at the company, so we prepared a more robust
analysis now.
Q. You did those scenarios for this
case, didn't you?
A. Yes, but the company lacked that
capability to begin with and it was something I
believe that we needed as a company.
Q. Now, you started your analysis, those scenarios you put together, first thing you did was said let's figure out a length of an aluminum price cycle, correct?
A. I believe that was one of the first assumptions we looked at, yes.
Q. Now, you didn't run a statistical analysis to determine the length of an aluminum price cycle, correct?
A. No, I did not run a statistical analysis but what $I$ did do is look at the projected average price that $C R U$ was projecting over the next 10 years so we took that based on, along with other information based on information I gathered from

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internal resources that have been in the industry
for many years to develop a 10 year cycle.
    Q. Maybe I wasn't real clear.
    A. I just wanted to make sure, we didn't
pull it out of the air.
    Q. You didn't run a statistical analysis
to determine the length of an aluminum price cycle,
assuming that that could even be done, fair?
    A. No, we did not run a statistical
analysis.
Q. Now that would be one way you could determine whether or not there was an aluminum price cycle of a defined length, correct?
A. It would be one way of many ways.
Q. It would be a way that a scholar, an economist or somebody who's trained in statistics would do that, fair?
A. That's fair but we don't have the ability to be able to afford a full-time economist on staff so we have to make use of the best resources and information available that we can.
Q. How much have you paid CRU in this case?
A. I have no idea.
Q. Another way to establish a cycle is
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simply to assume one, correct?
A. Yes. Another way is just to assume
one.
Q. And that's what you chose to do, you chose to assume the length of a price cycle?
A. Based on the best information I had available to make that decision. I didn't pull it out of the air.
Q. And let's talk for a minute about the cycle length. The length of the cycle is important to the rest of your analysis, isn't it?
A. It is, but, you know we did start with a 10 year cycle but as we, you know, submitted our request we only show seven years so essentially it's a 10 year cycle and we showed a seven year cycle as well.
Q. I'm not a statistician but I think I understand this, see if you and I can agree on this. If you have a cycle of 10 years you're going to have some years that are going to be below sort of the average line and some years that are going to be above, correct?
A. That's correct.
Q. That's why you call it a cycle.
A. Right.

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Q. If you have a five year cycle you're going to have some years below your average line and some years above your average line, correct?
A. That's correct.
Q. But if you have a five year cycle the down years and the up years all have to occur within that five year time period, right?
A. Well, in any time period they all have to occur.
Q. Right.
A. So it doesn't matter if it's five, 10, 15, 50, right?
Q. I was just using five as an example. If we use six instead, the down years and the up years would all have to occur within that six year period, right?
A. That's correct.
Q. In the scenarios that you ultimately chose, your scenarios A1, A2 and A3, you have down years all the way year one to year seven, right?
A. I'm sorry, down years as of what?
Q. Well, years you're below the average.
A. Below the average of what?
Q. Below your average of your cycle for the entire 10 years.
A. In my scenarios, in my exhibits what
I did was start with the mean and then we based,
you know, calculated the volatility based on
historical volatility ranges so then we calculated
the prices from there, we didn't just put in
prices.
    Q. Let me see if I can help you.
    A. Maybe I didn't understand your
question.
    Q. Were you here yesterday when we
talked to Dr. Humphreys?
    A. Yes, I was.
    Q. And you understand then that that
blue line, that's your prices in terms of the A2
average that you calculated, the A2 scenario?
    A. I don't know for sure. I don't know
the source of this data.
    Q. Looks about right now, doesn't it?
    A. Yes, this is I believe one scenario
that was picked so \(I\) don't know if it, it's, you
know, representative.
Q. Okay. Well, we can answer that in a
minute. Let's stick with A2 here for a minute.
    A. Okay.
    Q. In the A2 scenario you have what,
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years one through six or one through seven where
the price is pretty low?
A. I would have to look at my testimony.
Q. Well, just look at that red line,
that's the CRU average price of \$1.06. Does your
blue line look lower than the red line?
A. Yes, the average was \$1.06 that we
started with, they computed the volatility, that's
correct.
Q. And as we talk about with any cycle
the way you call it a cycle is you've got a whole
bunch of really high prices in the last two or
three years, right?
A. Yes. You have peaks and you have
troughs.
Q. Peaks and troughs.
A. That's correct.
Q. Exactly. If we were to draw that as
a five year cycle we'd have to have those high
prices in the first five years, correct?
A. Maybe under this one, yes. Right.
Q. That's again our definition of cycle?
A. But you have to establish conditions
of where you are today to be able to assume the
right scenario.

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Q. We'll get to that in a minute. But the point is, would you believe me or do I need to show you, if I put up your A1 graph and your A3 graph we're going to see those blue lines are going to be below the average in the first five, six years. Can we agree on that or do I need to show you?
A. Well, I don't know, I didn't graph them out, I just, you know, they're in my testimony.
Q. Okay. So you took a 10 year cycle, correct?
A. That's correct.
Q. But in fairness you'd acknowledge that the actual cycle that might apply could be more or less?
A. Could be more or less and I believe Mr. Humphreys yesterday could not define an actual cycle.
Q. In fact the reason he couldn't define an actual cycle given his 37 years of experience and his service on statistical boards and his service as a chief economist is because he said particularly with globalization there is no defined cycle. You heard that, correct?
A. I heard his testimony, yes, but again the best information \(I\) had to determine that 10
    year cycle.
Q. To assume a 10 year cycle, fair?
A. Well, yes. There's all kinds of assumptions in the model.
Q. Now, you've never used this model
before at Noranda, have you?
A. No. As I said we've recently developed this more robust analysis, you know, to use.
Q. And you didn't generate an analysis like this before this case sort of for ordinary course work at Noranda, fair?
A. That's fair.
Q. When you did this cycle analysis you generated 11 different what you call I think volatility curves?
A. Yes. Scenarios, uh-huh.
Q. Scenarios. Now, you only took three of those 11 scenarios in your direct testimony and worked them through all the way to a final answer, correct?
A. That's correct.
Q. You disregarded eight of them, you
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picked three to study further, correct?
A. That's correct. We eliminated
certain of those cycles because of the starting
conditions.
Q. And you call those, the ones you
picked, you call those A1, A2 and A3.
A. I believe those are exhibit numbers,
yes.
Q. Okay. And in your surrebuttal you
told us the reason you picked these three was
because of some testimony by Mr. Pratt, correct?
A. Yes, about beginning market
conditions. Because when you look at the scenarios
as Mr. Humphreys said yesterday it's difficult to
predict where you are in a cycle, I agree, but I
can't just throw up my arms and say I give up. You
know, for me as CFO I've got to evaluate the best
information I have at that time and make the best
judgments I can so I have to try to pick a place so
we work closely with CRU to determine that starting
point.
Q. So you work closely with CRU.
A. That's correct.
Q. And this was before you put together
your direct testimony?

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

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correct?
A. That's correct.
Q. An in fact Noranda's internal
consensus when you talked to the other people in the \(C\) suite offices, the other leaders, their
    internal consensus was no different from Mr.
Pratt's observation, fair?
A. No, we didn't have anything to
dispute that information.
Q. Now, follow up a little bit more on your discussions with Mr. Pratt and I want to focus on the discussions you had with Mr. Pratt before you gave your direct testimony. Okay?
A. Okay.
Q. And, but let's set a time line. You gave your direct testimony, correct?
A. Yes.
Q. Let's fix that point in our mind.

And then Dr. Humphreys filed a rebuttal after your direct testimony, correct?
A. Yes.
Q. And then after Dr. Humphreys filed a rebuttal Mr. Pratt filed a surrebuttal, correct?
A. That's correct.
Q. And you've read that surrebuttal,
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you've already told us that.
A. Yes.
Q. And so you saw in that surrebuttal
where Mr. Pratt said you can't predict peaks and
troughs in a cycle. You saw that, correct?
A. Yes.
Q. Peaks being things like this little
blue line that goes up and troughs being the one
right here that goes down, those are peaks and
troughs, correct?
A. That's correct.
Q. In fact Mr. Pratt said it would the
lessor of two evils with a smooth line forecast,
correct?
A. I don't remember that statement.
Q. Did you read his deposition too, Mr.
Pratt's deposition?
A. No, I did not.
Q. Do you know if he used the word
misleading in talking about trying to predict peaks
and troughs?
A. No, I did not.
Q. Now in your surrebuttal you said that
the three cycles that you selected were not
sufficiently representative of potential price

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    cycles, you read that, right?
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    A. I did.
    Q. You read in his surrebuttal when he
talked about you can't predict the timing of cycles
with accuracy, you saw that.
    A. I don't remember those words, it
might be approximately true.
    Q. Well, I don't want to misquote him,
so.
    A. I just don't remember all of his
testimony right here.
    Q. Sure.
        I'm looking at page 2 of his
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.
Humphreys and I agree that the timing of these
cycles can not be predicted with any accuracy.
            Does that refresh your memory?
    A. Right. It's hard to predict what
we've tried to do with our scenario planning
because I can't just give up, I've got to do
something so --
Q. Sir, I'm not asking you about giving up, I'm asking you about what Mr. Pratt said, okay?

Q. Mr. Pratt also told us in his surrebuttal that he thought you should have picked a broader range of samples to show the Commission, correct?
A. Yes. And we did in my surrebuttal.
Q. So when you were working and having these conversations with Mr. Pratt provided by your direct testimony did you just ignore all of these points?
A. No, we didn't. We give them
consideration and that's why we provide the
different scenarios in this case but also to
understand, to give a visibility to the different
scenarios that we looked at.
Q. I'm sorry, again I'm referring to your direct testimony. Let's focus on that time frame.
A. Okay.
Q. Did you just ignore Mr. Pratt's criticisms when you went ahead and filed your direct testimony or had you not even heard it at that point?
A. I'm not sure at what point I heard him, I don't remember that exact date but I did consider those models and we thought that the three
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we filed were the most representative outcomes of
our scenario planning at that time.
Q. Now, the three scenarios that you
ran, let's be real clear, those are not price
forecasts.
A. No.
Q. You have not done a forecast of
aluminum prices in this case, correct?
A. No, we have not.
Q. And you're not presenting these to
the Commission as forecasts, correct?
A. That's correct.
Q. What these are are stress tests.
A. That would be an accurate statement,
yes.
Q. Another word for it would be a
sensitivity analysis.
A. Or scenarios, yes.
Q. Or scenario.
A. Uh-huh.
Q. Basically a what if, fair?
A. That's fair.
Q. Now, in order to run a stress test
you have to have a model or a formula or something
to run it through, correct?

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A. That's correct.
Q. And in your case what you did is you took these different prices that you calculated, your blue lines on these kind of graphs, and you put them into something called Noranda's enterprise model, fair?
A. Yes. We did start with what the actual projected mean, the \(C R U\) mean over the next 10 years being the \(\$ 1.06\) and computed the volatility based on history off of that and then put those, and then converted those to nominal values so that you reflect the change and then we put those into the model, that's correct.
Q. Okay. And everything that you just told us up until the last sentence, that was all about these blue lines you were calculating, correct? It's not about putting it in the enterprise model, that's about how you got the prices to begin with?
A. Yes. That's how we determined the volatility, that's correct.
Q. And that's all the stuff that we just went through, all of Mr. Pratt's criticisms, right?
A. Right. That's the math around the volatility because no one can predict the
volatility.
Q. So let's talk now about the enterprise model, let's move forward in your analysis and talk about the enterprise model. Are you with me?
A. Okay.
Q. And in that enterprise model you put aluminum prices that you'd assumed into it, correct?
A. That's correct.
Q. And then you had some other factors for things like different kinds of costs that you were assuming, correct?
A. That's correct.
Q. You had capital expenditures that you assumed as part of all of this?
A. That's correct.
Q. And at the end of the day you came out with some liquidity figures that you provided the commission, fair?
A. That's correct.
Q. So you what you do is you put in some inputs or assumptions and you see how that changes the output, that's basically what we're talking about when we're talking about a scenario or
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sensitivity analysis.

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    A. It is but you have to take all those
assumptions of each other because they're all
highly correlated or related so you can't just
arbitrarily pick as an assumption and plug it into
the model.
Q. Well you could but the worse the assumption the worse the output, correct?
A. Well, the math may work but you just can't change one without giving consideration of how this might impact the other assumptions.
Q. Now, I think you used the term
representative scenarios to describe these
scenarios in your direct testimony, do you recall
that?
A. Yes. Three, yes.
Q. Now, when you were using that term
representative scenarios what you meant was
receptive of the various scenarios that you ran,
correct?
A. Yes, receptive of what the most likely starting points would be.
Q. And most likely, when you use the term most likely that means the most likely of the scenarios you ran, correct?
A. Of the 11, yes.
Q. So from a universe of 11 when you said to the Commission when you say hey this scenario or that scenario was most likely you mean the most likely of the 11 you chose to run?
A. Yes, the most likely of those 11
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    scenarios, that's correct.
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Q. Now, when you used the term likely in describing your scenarios for the Commission you weren't including any actual calculation of probability, correct?
A. That's correct.
Q. You weren't applying some sort of statistics to this to say oh, I got a plus or minus margin of error, right?
A. That's correct. We did not apply statistical analysis.
Q. You weren't saying this scenario is more likely to occur than CRU's forecast, nothing like that, correct?
A. Well, we did say that the three scenarios were the most representative of the 11 that we ran which included some of the CRU information.
Q. Right. But you didn't run a
probability analysis of any sort to even suggest to
the Commission that it's somehow more likely that
one of your negative scenarios is going to occur
than CRU's best estimate forecast, correct?
    A. We did not run a statistical
    analysis, that is correct.
    Q. You haven't done any calculation of
    distribution probabilities around CRU's forecast?
    A. No, we did not. We relied on them as
an expert.
Q. And you'd agree with me that the three scenarios you chose have the most negative cash flow events of any of the 11 scenarios, correct?
A. Those are the outcomes, that's not what we, you know, we did not pick those outcomes, that's a result of the analysis we prepared.
Q. No, you picked the prices and that's the outcomes you got, correct?
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    A. We chose the mean as I said from CRU
    over the next }10\mathrm{ years and then we computed the
    volatility based on actual historical volatilities
    so we did not compute or select arbitrarily the
    prices into the model so it was a computation of
    historical volatility.
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Q. You didn't run a single scenario using CRU's forecast, correct?
A. Their forecast is included, embedded in the scenarios.
Q. You don't have a single scenario that you've run and shown to this Commission either on direct or on surrebuttal where you plugged in as the prices the CRU best estimate prices, correct?
A. Sorry, that's rather broad. My 2015 price was the CRU price at the time.
Q. I'll grant you that.
A. And I used the CRU forecast of 10
year mean average, okay, so I did use portions of
the forecast so I'm not sure which particular part
you're referring to.
Q. Sure. Let me be a little more specific.
A. Okay.
Q. For 2017 there's a price that's well above your blue line price, correct?
A. For 2017? Are you talking about the green part or which one are you talking about? Could you ask that again, I'm sorry?
Q. Yeah, sure. The green bar which is CRU's forecast price for 2017, that is above your

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blue line, correct?

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A. That's correct.
Q. Same is true for 2018.
A. That's correct.
Q. Same for 2019.
A. That's correct.
Q. Same for 2020.
A. That's correct.
Q. And you don't have a version of your scenarios where you took CRU's price for 2017 and plugged it in to see what you get, correct?
A. No, we did not take CRU's direct forecast for those years and put those into the model because they lacked the volatility analysis.
Q. Well, they had implicit volatility in them, correct?
A. I believe in the near term, yes. But
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that doesn't include all volatility as Mr. Pratt

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points out that it's very difficult to sit here and
predict outcomes with absolute certainty.
Q. And the CRU forecast represents the best prediction that you're aware of, correct?
A. The best information I did have available at the time, yes.
Q. And even as we sit here today that's
still the best prediction you're aware of, correct?
    A. Yes. Based on what I know, yes.
    Q. Okay. So you never ran a model where
you used the best prediction you're aware of of
what future prices are going to be, correct?
    A. That's correct. That would not be
    smart in my position, I've got to determine what
    the viability of this company is, under multiple
    scenarios, not just the best case. So I have to
    look at all cases and look at whether or not there
    are likely outcomes. More likely than other
eventual outcomes.
Q. You left it to Ameren's experts to actually run your model using the best forecast of future prices that any of us have available, didn't you?
A. Well, it's been well discussed about the predictability and the volatility of aluminum prices, it's difficult to take a forecast and then just say that's the way it's going to turn out because of the volatility.
Q. I'm sorry, maybe you didn't understand my question.
A. Okay.
Q. The only people who've actually taken
the best forecast of a 2017 price that any of us
have and run it through your model is Ameren's
experts, correct?
    A. I'm not sure I would agree with it's
    the best case, best forecast.
    Q. I thought we just established this.
You're not aware of a forecast that's better than
    CRU's forecast, you just told us that.
    A. Maybe I misunderstood your questions.
    If you're talking about the forecast of actual
    prices I do believe they are expert in aluminum
    intelligence and industry conditions and that their
    near term forecasts appear to be more accurate than
    their long term forecasts of aluminum prices.
    Q. In 2017 we can agree that's near
    term, correct?
    A. I believe that would be in the near
    term, yes.
    Q. Now, if we look at your surrebuttal
    testimony you did include at the back of your
    surrebuttal testimony five little graphs, correct?
    A. Is that the page you're referring to?
    Q. Yes. It's page, Schedule DB1.
    A. Yes.
    Q. So --
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12 the transcript.)

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    MR. NELSON: Ken is this highly
confidential?
    MR. MALLIN: If you're going to go
    into the individual numbers, yes.
    JUDGE WOODRUFF: Go into HC?
    MR. NELSON: I guess so Your Honor.
    MR. NELSON: Thank you, Your Honor.
    JUDGE WOODRUFF: And we will go
    in-camera.
    (REPORTER'S NOTE: An in-camera session was held,

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

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\begin{tabular}{|c|c|c|}
\hline & & Page 2539 \\
\hline 1 & little differently and see if maybe we can short & \\
\hline 2 & circuit this. You'd agree with me absent any & \\
\hline 3 & extraordinary events for the next year or two you & \\
\hline 4 & believe Noranda's demand outcome is positive. & \\
\hline 5 & A. Yes, we believe we have a good & \\
\hline 6 & demand. & \\
\hline 7 & Q. And there's positive changes in the & \\
\hline 8 & aluminum market which either directly or indirectly & \\
\hline 9 & impact Noranda, correct? & \\
\hline 10 & A. Yes. & \\
\hline 11 & Q. For example Ford has announced that & \\
\hline 12 & they're going to all aluminum bodies on their & \\
\hline 13 & trucks which is going to increase demand for & \\
\hline 14 & aluminum, correct? & \\
\hline 15 & A. That's correct. & \\
\hline 16 & Q. Industries are switching from copper & \\
\hline 17 & wire to aluminum wire, that's driving demand, & \\
\hline 18 & correct? & \\
\hline 19 & A. That is a trend in the industry, yes. & \\
\hline 20 & Q. And you and I can agree that demand & \\
\hline 21 & conditions in the U.S are more favorable to stable & \\
\hline 22 & or higher prices than conditions globally are, & \\
\hline 23 & correct? & \\
\hline 24 & A. They are favorable as one of the & \\
\hline 25 & components that affect prices. & \\
\hline
\end{tabular}
Q. And they're more favorable than global conditions?
A. I believe so but I'm not absolutely sure there.
Q. As best you can tell as you sit here today \(I\) just made a true statement.
A. Yes, best I know.
Q. In fact Noranda, you really have pretty limited knowledge about global conditions other than what you read from CRU, correct?
A. CRU and what we hear from customers and other intelligence firms.
Q. But mainly CRU.
A. They would be one of the main ones, yes.
Q. So use that term that Mr. Pratt used, tight or tighter, you and I can agree that market conditions in the U.S are tighter than they are globally.
A. That was the forecast, yes. At that
particular time. But that's different after the
Merrill Lynch report that came out the other day,
    last week.
Q. The Merrill Lynch report about China?
A. But it was talking about that, you
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    1 know, they were projecting a surplus rather than a
    2 deficit.
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Q. And has that changed CRU's

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fundamental forecast?

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fundamental forecast?
    A. I don't know yet if that has. I'm
not sure if it's been reflected in their most
recent report but the report that was reviewed
    yesterday, yes, they did have a different opinion.
    Q. I'm sorry, I asked about forecasts.
    A. Okay.
    Q. CRU hasn't done a forecast since
    January, correct?
    A. I believe they did one in February.
    Q. Do you have a copy of that forecast?
    A. I do not.
    Q. Okay. You haven't looked at it.
    A. I have not.
    Q. Because you're aware we've asked for
    all CRU forecasts that you've got in your
    possession, you know that, correct?
    A. Yes. I believe that is copyright
    material that we weren't allowed to provide.
    Q. You don't know of any credible source
    that's saying that there's greater tightness in the
    U.S. that's expected to change over the next couple
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of years, correct?
    A. I'm sorry, is that statement from the
    CRU forecast?
    Q. Are you aware of any credible source,
you're not aware, let me rephrase the question.
    You're not aware of any credible
source, a source you would consider credible
whether it's internally, whether it's CRU, whether
it's somebody else who says they expect a greater
degree of tightness in the U.S market versus the
world market to change as we look over the next
several years. You're not aware of any such
statement by a credible source, correct?
    A. I'm not aware of one at this point.
    MR. NELSON: Your Honor I'm going to
mark four exhibits if I could ask the court for the
next four exhibit incomes.
    JUDGE WOODRUFF: We'll start at 69.
    MR. NELSON: For the record I'm going
    to mark Exhibit 69 is a document that has been
previously marked in deposition as Boyles Exhibit
    3.
    JUDGE WOODRUFF: Okay.
    MR. NELSON: Then Your Honor I'm
    going to mark as Exhibit 70 a document which has
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previously been marked as Boyles Exhibit 4.
    Your Honor I'd like to mark as
Exhibit }71\mathrm{ what has previously been identified as
Boyles Exhibit 5 in deposition.
    And finally Exhibit 72 previously
marked in deposition as Boyles Exhibit 6.
    Q. (BY MR. NELSON) You should now have
in front of you Boyles Exhibits 69, 70, 71 and 72,
sir.
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A. Yes, I do.
Q. You and I have looked at these
documents before, correct?
A. I think we did.
Q. In your deposition, right?
A. I think we did, some of these.
Q. Let's see if we can identify them for
the record.
Exhibit 69 of course you and I can
agree, can't we, that's an edited transcript of
Noranda's fourth quarter conference call with
analysts and investors?
A. That's what it appears to be, yes.
Q. You spoke at that event.
A. Yes.
Q. And you heard, Mr. Smith was there
with you, he spoke at that event, correct?
A. Yes. I think they had our comments
mixed up, but.
Q. I think Mr. Smith mentioned that.
But you talk at these events that somebody
transcribes it and then your folks take a look at
it, sounds like your investor folks and Mr. Smith
take a look at it and if they have any corrections
they call about those, correct?
A. That's correct.
MR. NELSON: Your Honor at this point
I would move for the admission of Exhibit 69 into
evidence.
JUDGE WOODRUFF: 69 has been offered,
any objection to its receipt?
MR. MALLIN: No objection, Your
Honor.
JUDGE WOODRUFF: Hearing none it will
be received.
Q. (BY MR. NELSON) Now when you do
these investor conference calls in addition to your
speaking part you also have some slides that you
show the investors and the analysts from Wall
Street, correct?
A. That's correct.

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

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    MR. NELSON: Move for the admission
    of Exhibit 71.
    JUDGE WOODRUFF: }71\mathrm{ has been offered,
    any objections to its receipt?
    MR. MALLIN: No objections Your
    Honor.
    JUDGE WOODRUFF: Hearing none it will
    be received.
    Q. (BY MR. NELSON) And then finally
    Exhibit 72, that's the transcript of what you and
    Mr. Smith said and the questions that the analysts
    from Wall Street asked on that third quarter
    conference call, correct?
    A. Yes, I believe it is.
    MR. NELSON: Move for the admission
    of Exhibit 72 into evidence.
JUDGE WOODRUFF: }72\mathrm{ has been offered.
Any objections to its admittance?
MR. MALLIN: No, Your Honor.
JUDGE WOODRUFF: Hearing none it will
be received.
Q. (BY MR. NELSON) Now, we've talked
about, we've had, sometimes we've had to go highly
confidential and come back out of confidential,
you've been there and seen that, correct?

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A. Yes, I have.
Q. All right. We can agree that anything you said in here is not highly
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confidential, right?

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A. That would be correct.

MR. MALLIN: Just for clarity, you're
talking about the transcripts.
MR. NELSON: I'm sorry, yes, what's
in the transcripts.
Q. (BY MR. NELSON) Exhibit 69.
A. Yes.
Q. This is what you were telling the public.
A. That's correct.
Q. So let's look a little bit at some of the things you were telling the public and let's start by looking a little bit at demand. Let's look at Exhibit 70 and if you could turn with me to slide 4 please. And this is an analysis that you put together for Wall Street talking about U.S aluminum demand and in various kinds of markets, correct?
A. Yes, based on CRU forecasts.
Q. And you wouldn't have put CRU's numbers in there if you weren't willing to

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basically support them, correct?

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    A. That's correct.
    Q. If you thought \(C R U\) was dead wrong you
wouldn't have put it in this document for
investors.
    A. No, I wouldn't.
    Q. So you're telling investors the
building and construction market four to seven
percent growth in demand projected, correct?
    MR. MALLIN: I'm sorry Counsel,
you're on page 4?
    MR. NELSON: I'm on slide 4.
    MR. MALLIN: I apologize.
    MR. NELSON: I was on slide 4 of
Exhibit 70.
    MR. MALLIN: My only concern is just
so that you're clear if you're going to be asking
questions about the slides that are not reflected
    in the transcripts you may in fact be going into HC
areas. If you're asking for some further
    interpretation of what the slides say or don't say
we'll just have to be careful I guess is what I'm
trying to tell you up front.
    MR. NELSON: Well, I would welcome
    counsel any time, I certainly don't mean to step on
\begin{tabular}{|c|c|c|}
\hline & & Page 2549 \\
\hline 1 & your highly confidential so please feel free & \\
\hline 2 & anybody to interrupt me. Okay? & \\
\hline 3 & MR. MALLIN: I just wanted to alert & \\
\hline 4 & you. & \\
\hline 5 & Q. (BY MR. NELSON) Building & \\
\hline 6 & construction, you were telling investors U.S demand & \\
\hline 7 & rose on the outlook of four to seven percent, & \\
\hline 8 & right? & \\
\hline 9 & A. What we did was provide what the CRU & \\
\hline 10 & forecast was, yes. & \\
\hline 11 & Q. Okay. And you don't have any reason & \\
\hline 12 & to disagree with that. & \\
\hline 13 & A. No, I don't. & \\
\hline 14 & Q. And that's good positive growth in & \\
\hline 15 & U.S demand in that market. & \\
\hline 16 & A. It is and that has brought sectors, & \\
\hline 17 & we don't participate in all portions of those & \\
\hline 18 & sectors. & \\
\hline 19 & Q. No. But overall if somebody takes & \\
\hline 20 & aluminum and uses it to make windows even if you & \\
\hline 21 & don't make windows that still helps your demand & \\
\hline 22 & because somebody else is going to have to take your & \\
\hline 23 & aluminum, correct? & \\
\hline 24 & A. Yes. It's possible, yes. & \\
\hline 25 & Q. And likewise in the electrical market & \\
\hline
\end{tabular}
positive growth four to six percent, that's what you put forward?
A. Yes.
Q. Same thing in consumer durables,
three to seven percent growth, that's pretty
healthy isn't it?
A. Yes.
Q. Transportation, eight to 11 percent growth, that's outstanding, isn't it?
A. Yes.
Q. And then the worst of the bunch is simply flat demand in foil and packaging, fair?
A. That's what it says, yes.
Q. In fact you told investors that strong demand provides opportunities to grow with our current customers and to follow the spread of aluminum into new applications, correct?
A. That's correct.
Q. And you certainly didn't suggest to investors that markets, any markets where Noranda's demand would decline, did you?
A. No, we did not.
Q. And if we look at Boyles Exhibit 3, I'm sorry, Trial Exhibit 69. If we go to page 3. Page 3 is some comments by Mr. Smith, your CEO,
\begin{tabular}{|c|c|c|}
\hline & & Page 2551 \\
\hline 1 & correct? & \\
\hline 2 & A. This is faded out. Okay. I think I & \\
\hline 3 & have it now. Which particular paragraph? & \\
\hline 4 & Q. I'm trying to find it myself, sir. & \\
\hline 5 & If you look down -- here, let me just put it up on & \\
\hline 6 & the board. & \\
\hline 7 & Do you see the paragraph that begins & \\
\hline 8 & with slide 4? It's about a little over halfway & \\
\hline 9 & down the page? & \\
\hline 10 & A. Yes, I do. & \\
\hline 11 & Q. Okay. And Mr. Smith says here slide & \\
\hline 12 & 4 summarizes what we feel is favorable growth & \\
\hline 13 & outlook for a primary aluminum consumption in the & \\
\hline 14 & United States. You see that? & \\
\hline 15 & A. Yes. & \\
\hline 16 & Q. Besides driving our own order book we & \\
\hline 17 & believe strong demand is the key fundamental driver & \\
\hline 18 & of sustainability in aluminum prices over the & \\
\hline 19 & medium and long term. & \\
\hline 20 & Did I read that correctly? & \\
\hline 21 & A. Yes, you did. & \\
\hline 22 & Q. And when Mr. Smith was talking about & \\
\hline 23 & driving our own order book he meant that strong & \\
\hline 24 & demand was going to help Noranda's orders, correct? & \\
\hline 25 & A. Yes. & \\
\hline
\end{tabular}
Q. And when he talks about sustainability in aluminum prices over the median to long term he's talking about prices that are at
    least stable to positive, correct?
    A. I don't know exactly what he meant
but I would assume that based on the comment, yes.
    Q. Now going back to your scenarios we
can agree that your scenarios do not show
sustainable all-in prices over the medium and long
term, do they?
    A. I would disagree, this only talks
about the consumption side so you have to factor in
the supply side on the all-in on aluminum prices.
    Q. You and I got together, what, a week
and a half, two weeks ago and took your deposition?
    A. Approximately, yes.
        MR. NELSON: Approach the witness
Your Honor.
    JUDGE WOODRUFF: You may.
    Q. (BY MR. NELSON) I'm going to hand
    you a copy of your deposition. Could you confirm
        that please?
    A. (Reviewing document). Yes, looks
like a copy of it.
    Q. You were under oath, a court reporter
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    there, took it all down, correct?
    A. Yes.
    Q. If you look at page 137 of your
    deposition. If you want to flip back to the prior
page you see we were talking about Mr. Smith's use
of the word sustainable and then we asked some
questions and answers, okay?
A. Okay. Let me find it first.
(Reviewing document).
Yes, okay. I follow.
Q. So I pointed out Mr. Smith said that
there's going to be sustainable prices in the
medium to long term and then I asked you the
following question: With respect to your '98, '99
and 2000 scenarios, and Counsel I'm starting at
line 16, do these reflect sustainable all-in prices
over the medium and long term?
Did I read the question correctly?
A. Is that on 136?
Q. 137, sir.
A. Sorry.
Q. I'm setting things up. You and I can
agree that --
A. Sorry, I was a little slow.
Q. That's okay.

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You and I can agree that on pages 136
and 137 we're talking about Mr. Smith using the word sustainable for all-in prices when he's talking to investors, correct?
A. Yes.
Q. And then we turn and we look at your '98, '99 and 2000 scenarios, that's some questions on 137, correct?
A. Yes.
Q. And then I asked you do these, meaning your '98, '99 and 2000 scenarios, do these reflect sustainable all-in prices over the medium and long term?
Do you see that question?
A. Yes. In those models, yes.
Q. Let me try my question again just to stick to that. Did I ask you the following question: Do those reflect sustainable all-in prices over the medium and long term?
A. Again where is that question?
Q. Start at line 16, page 137.
A. Okay. I'm sorry.
Q. So again do those, meaning the '98, '99 and 2000 scenarios, do they reflect sustainable long-term prices over the medium and long term, did

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\begin{tabular}{|c|c|c|}
\hline & & Page 2555 \\
\hline 1 & I ask you that question? & \\
\hline 2 & A. Yes, you did. & \\
\hline 3 & Q. And the answer you gave was no, & \\
\hline 4 & they're not all sustainable, correct? & \\
\hline 5 & A. Yes. And referring to -- & \\
\hline 6 & Q. I'm sorry, sir, I just want to make & \\
\hline 7 & sure we're clear. Did I read your answer & \\
\hline 8 & correctly? & \\
\hline 9 & A. You read it correctly but maybe not & \\
\hline 10 & in the context of my answer. & \\
\hline 11 & Q. You and I can agree the global & \\
\hline 12 & economy is becoming more aluminum intensive? & \\
\hline 13 & A. Yes, I believe so. & \\
\hline 14 & Q. You have stable demand for your & \\
\hline 15 & products. & \\
\hline 16 & A. Yes, we do. & \\
\hline 17 & Q. And your local supply and demand & \\
\hline 18 & fundamentals are positive? & \\
\hline 19 & A. We believe so, yes. & \\
\hline 20 & Q. Now let's talk a little bit about & \\
\hline 21 & your enterprise model and I want to start with & \\
\hline 22 & looking at a document that was in the opening & \\
\hline 23 & statement, I believe it's now been labeled as -- & \\
\hline 24 & MR. DOWNEY: 532. & \\
\hline 25 & MR. NELSON: The chart? & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline & & Page 2559 \\
\hline 1 & JUDGE WOODRUFF: And we're back in & \\
\hline 2 & regular session. & \\
\hline 3 & Q. (BY MR. NELSON) Now, let's talk & \\
\hline 4 & about smelter closure. There's been a fair amount & \\
\hline 5 & Of discussion about smelter closure here in this & \\
\hline 6 & room. You've heard it, correct? & \\
\hline 7 & A. Yes. & \\
\hline 8 & Q. In fact you have managed capital & \\
\hline 9 & spending in the past when you needed to to manage & \\
\hline 10 & your liquidity, correct? & \\
\hline 11 & A. Yes, it's one of the letters that we & \\
\hline 12 & use, yes. & \\
\hline 13 & Q. In fact you, for example you slowed & \\
\hline 14 & capital spending for a period of time on the rod & \\
\hline 15 & mill to manage cash. & \\
\hline 16 & A. That's correct. & \\
\hline 17 & Q. Now in your enterprise model to get & \\
\hline 18 & the liquidity assumptions you gave this Commission & \\
\hline & you made an assumption that Noranda for every year & \\
\hline 20 & in your model -- & \\
\hline 21 & MR. MALLIN: Before you ask the & \\
\hline 22 & question I think we're going to have to go HC & \\
\hline 23 & because that number is highly confidential. & \\
\hline 24 & MR. NELSON: Okay. & \\
\hline 25 & JUDGE WOODRUFF: Back in HC. & \\
\hline
\end{tabular}


lines, that's a positive trend line isn't it?
    A. It is. Aluminum prices were up.
    Q. And you've done that with existing
power rates, correct?
    A. Yes, that's correct.
    Q. And for that matter when you paid off
your line at the end of the third quarter that was
with the existing power rates, right?
    A. That's correct.
    Q. When you paid it off, your credit
card, your line off at the end of the fourth
quarter that was with existing power rates,
    correct?
    A. Yes.
            MR. NELSON: Thank you, Your Honor, I
have nothing further.
                            JUDGE WOODRUFF: Okay. Open for
        questions from the bench.
            Mr. Chairman?
                EXAMINATION
QUESTIONS BY CHAIRMAN KENNEY:
    Q. Good morning Mr. Boyles.
    A. Good morning.
    Q. How are you?
    So I can talk about the liquidity as
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long as I don't mention the number, right?
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long as I don't mention the number, right?
    A. I believe that's correct.
    A. I believe that's correct.
    Q. Without going in-camera. Is that
    Q. Without going in-camera. Is that
    right?
    right?
    MR. NELSON: I would say that that's
    MR. NELSON: I would say that that's
    right generally Judge, Commissioner, I'm sorry.
    right generally Judge, Commissioner, I'm sorry.
    CHAIRMAN KENNEY: That's fine.
    CHAIRMAN KENNEY: That's fine.
    Either one is fine.
    Either one is fine.
    A. If we're going to talk about trends
    A. If we're going to talk about trends
    or anything like that we may want to go in-camera.
    or anything like that we may want to go in-camera.
    Q. (BY CHAIRMAN KENNEY) Yeah, I just
    Q. (BY CHAIRMAN KENNEY) Yeah, I just
    want to ask a question that I think was being
    want to ask a question that I think was being
raised, that -- actually let's do go In camera
raised, that -- actually let's do go In camera
        because I want to talk about the specific numbers.
        because I want to talk about the specific numbers.
                            JUDGE WOODRUFF: Okay. Then we'll go
                            JUDGE WOODRUFF: Okay. Then we'll go
back in-camera.
back in-camera.
    (REPORTER'S NOTE: An in-camera session was held,
    (REPORTER'S NOTE: An in-camera session was held,
which is contained in Volume 34, pages 2587-2590 of
which is contained in Volume 34, pages 2587-2590 of
    the transcript.)
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    the transcript.)
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Q. (BY MR. CHAIRMAN) So then thereafter comparison of the slides from the opening statement to the transcripts of the fourth quarter earnings calls, do you remember that line of questioning?
A. Yes, sir.
Q. Here's the question that didn't get asked again, I'm not, \(I\) don't have to worry about these things.

Is it, would you agree or disagree with me that the picture that Noranda presents to its investors on earning calls is that starkly different and rosier than the picture that you all present to us here in the hearing room, in this case? You weren't around in the last case, but. It's the same issue \(I\) think we had in the last case, the picture that you guys present on the earnings calls is different than the picture you present here in the hearing room. Is that a fair characterization?
A. I don't think so.
Q. Tell me why not.
A. We're fully transparent with what can happen and we disclose that in our risk factors and in our earnings call we talk about the improvements quarter over quarter where we do make improvements
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    1 where we're making decisions to do everything
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    1 where we're making decisions to do everything
    ```
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possible to keep the smelter open and that's what

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possible to keep the smelter open and that's what
we've represented here. What we've presented in my
we've represented here. What we've presented in my
testimony is the likely outcomes without a power
testimony is the likely outcomes without a power
relief. You know, here's where we will go. We may
relief. You know, here's where we will go. We may
not be there today but I can't wait to step out in
not be there today but I can't wait to step out in
    front of the train before I come to the Commission
    front of the train before I come to the Commission
    and ask for rate relief.
    and ask for rate relief.
    Q. I mean in the testimony in here
    Noranda makes definitive statements that if this
    Commission doesn't provide the rate relief it's
    requesting these other consequences will definitely
    occur. That's what I was presented here. But then
    when I read the transcripts of the earnings calls
    it's a much more measured tone, and I think that
    you just said it yourself, these are risk factors
    of what may occur, not what definitely will occur.
    How do you explain what is to me a cognitive
    dissidence between what you're telling us and what
you're telling investors?
    A. Well, I believe what we've prepared
is the scenarios of the likely outcomes. We don't
typically share those with third parties, we --
    Q. Stop there for a minute just so I can
        understand that component.
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So you disclose the risk factors to
the investors but you don't necessarily provide
    them the conclusions or the consequences of those
    risk factors.
    A. No, I think we have in our previous
earnings calls where we did talk about, you know, a
    sustainable power rate that we need to keep the
    smelter open and we've talked about it in earnings
    calls, in our decs, in our 10Qs and 10K so we have
    discussed those things openly with investors. So
    if we went back to prior scripts of transcripts of
    calls there would be lots of discussion around
    closure of the smelter.
    Q. Okay. Thanks for your time.
    A. Thank you.
            JUDGE WOODRUFF: Commissioner Hall?
            COMMISSIONER HALL: Yes.
            EXAMINATION
    QUESTIONS BY COMMISSIONER HALL:
    Q. Good morning.
    A. Good morning.
    Q. I had a number of questions along the
    same line from the Chairman and I'm going to, I
    think it is without a doubt fact that there is a
    difference between what you are telling investors
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and what you are telling us here today. Now, I'm not telling you that it is my belief that there is not a way to find some consistency but the verbiage, the definitive nature is different between the two and what I'm asking for you, from you, is to explain to me why there might be that discrepancy. Now, you can say there's no discrepancy, I'm telling you I don't believe that. There is a difference. Now how can you explain that difference?
A. Well, we may not use the exact same words --
Q. Why?
A. Well, I may not remember the exact same words the next time $I$ talk about it but in the same context we do talk about and we have talked
about closure of the smelter being a possibility.
I think we used the words a substantial likelihood
if we didn't get power rate relief so we have
discussed those things in our earnings calls, those
transcripts were presented here, but we have made
those disclosures in the past and again we're not
predicting absolute closure.
Q. But you are here. That is what you are predicting here. Absent rate relief you're

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

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

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    not drafted yet because I frankly forgot.
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CHAIRMAN KENNEY: That's not a
problem, I just wanted to make sure I hadn't missed
it somewhere else.
MS. TATRO: It's that issue and
there's one other minor issue that had to be put in
with that stuff, $I$ can't remember off the top of my
head.
CHAIRMAN KENNEY: That's fine.
MS. TATRO: We do owe you that.
MR. THOMPSON: LED lighting?
MS. TATRO: Yes.
CHAIRMAN KENNEY: Yes.
MS. TATRO: So that will be on a stip
that I'll probably work on this afternoon.
CHAIRMAN KENNEY: And then you all
filed an amended nonunanimous stipulation regarding
certain revenue requirements and you corrected the
language that $I$ asked you all to correct.
MS. TATRO: Yes, I made an attempt to
make all those corrections that I believe you
pointed out.
CHAIRMAN KENNEY: And I believe it
was.
MS. TATRO: Thank you.
CHAIRMAN KENNEY: So back to the low

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    income MEEIA exemption, it hasn't been reduced to
    writing and that was one that all the parties had
    agreed upon, right?
    MS. TATRO: Right.
    CHAIRMAN KENNEY: Why does it appear
    in the Nonunanimous Stipulation and Agreement
    Regarding Economic Development, Class Cost of
    Service, Revenue Allocation and Rate Design that
    the consumer parties have agreed to?
    MR. ALLISON: Because it hasn't been
    filed yet and because it was dealing with rate
    design, class cost of service. It was in that
    package of issues that had not come in front of the
    Commission yet.
    CHAIRMAN KENNEY: But Ameren's not a
    signatory to this.
    MR. ALLISON: They are not and I
    don't see that being necessarily preclusive of any
    separate document that we would need, I think the
    terms in there are mutually coexistent to what, a
    much more narrow document I think that Ameren would
want to file.
    CHAIRMAN KENNEY: I was just confused
    because that was an issue around which all the
    parties agreed, there is not a stipulation around
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which all parties agreed.
MR. ALLISON: That is exactly right.
CHAIRMAN KENNEY: It struck me as out
of place.
MR. ALLISON: It was in that package,
in developing that stipulation it was in the
package of issues regarding rate design class cost
of service and all of those issues that we are
trying to put in one document.
CHAIRMAN KENNEY: Were you guys aware
that it was in here?
MS. TATRO: Since I wasn't aware of
that stipulation until after it was filed, no. I
do also find it odd but $I$ don't think it's fatal.
CHAIRMAN KENNEY: Thanks. That's all
I wanted to know.
JUDGE WOODRUFF: Then we're back for
the witnesses and we had just completed questions
from the bench from Mr. Boyle. Is there anyone
wishes to recross?
I assume Ameren that Staff wanted to
go first.
MR. THOMPSON: Thank you.

CROSS EXAMINATION

QUESTIONS BY MR. THOMPSON:
Q. Good afternoon Mr. Boyle.
A. Good afternoon.
Q. The Chairman and Commissioner Hall
both asked you questions about liquidity and there were questions about what would happen if your liquidity was reduced beyond a critical point. Do you recall that?
A. Yes, I do.

MR. THOMPSON: And I don't know
whether this needs to be In camera or not.
MR. MALLIN: Well, since $I$ don't know
your question $I$ 'm going to have to assume yes.
Maybe after you ask your question $I$ can say no.

JUDGE WOODRUFF: We'll go in-camera
at this point.
(REPORTER'S NOTE: An in-camera session was held, which is contained in Volume 34, pages 2626 to 2629 of the transcript.)
of the transcript.)

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    MR. NELSON: Your Honor I would ask
    the Court to take judicial notice, there was some
    questions about the level of dividends, I think
    that was covered in case EC-2014-0024 in Exhibits
    1 1 5 \text { and Exhibit 116 which were the 10Ks for 2013}
    and 2012 and I believe that that, those documents
    would have evidence that supplements what the
    witness was able to do in terms of dividends paid
    and I would ask the court to take judicial notice
    of those.
    JUDGE WOODRUFF: Any objection?
    MR. MALLIN: As long as they're a
public filing I don't have a problem.
    JUDGE WOODRUFF: It will be a filing
    in the prior case.
    MR. LOWERY: They're already in
evidence in the last case Judge, they're portions
of their l0Ks for those two years.
    JUDGE WOODRUFF: And I'll assume you
will cite to them in your briefs.
    MR. MALLIN: Which years?
    MR. LOWERY: '12 and '13. Exhibits
    1 1 5 \text { and 116 from the last case.}
    MR. MALLIN: Got it.
    MR. NELSON: Nothing further.
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JUDGE WOODRUFF: All right.
Redirect?

MR. MALLIN: Yes, Your Honor. Thank you.

REDIRECT EXAMINATION

QUESTIONS BY MR. MALLIN:
Q. Let's talk first a little bit about the AVL, the revolver or the credit card. In calendar year 2014 for what uses or purposes did Noranda use those things?
A. We used it for various purposes to fund normal operating expenses such as payroll, our power bill, our natural gas bills, those type of expenses. We also had unusual operational disruptions that required additional cash as much as I disclosed earlier around the weather impact in 2014 as well as another weather impact that shut down our power facility for a day and a half. Those are examples.
Q. Is it accurate to say that it was used for day-to-day operations at Noranda?
A. Yes it is, during the month.

MR. MALLIN: We're going to have to go HC at this point Your, Honor.

JUDGE WOODRUFF: We are back In

$Q$.
(BY MR. MALLIN)
Let's talk a little bit about capital expenditures. In 2012 how much did Noranda spend on capital expenses or expenditures?
A. That's in my 10K, I believe it was approximately 88 million.
Q. How about in 2013?
A. Approximately 73 million.
Q. And in 2014?
A. Approximately 94 million.
Q. You indicated earlier or identified a piece of equipment called a carbon baked furnace?
A. Yes.
Q. What does that do?
A. Those are the furnaces that are used to take carbon and make anodes using the aluminum making process. Those furnaces have a life that you have to rebuild those furnaces and they're very expensive, they could range up to approximately $\$ 30$ million to refurbish those furnaces and we have three that are well beyond their normal life.
Q. So there's a total of three of such furnaces down at New Madrid today?
A. That's correct.
Q. And all three of them are operating?
A. Yes.
Q. You also mentioned a pot.
A. Yes.
Q. Approximately how much does it cost
to refurbish, repair or replace a pot?
A. It ranges from approximately $\$ 170,000$

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to $200,000 per pot.
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Q. As compared to a line of pots, how
many are in a line of pots?
A. Our first two lines are approximately
174 pots apiece, line 3 which is a different
technology, larger pots, approximately 162.
MR. MALLIN: Your Honor, this is HC
at this point.
JUDGE WOODRUFF: All right. We'll go
back in.
(REPORTER'S NOTE: An in-camera session was held,
which is contained in Volume 34, pages 2634-2635 of
the transcript.)

|  |  | 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 |  |
| 4 | general session. |  |
| 5 | Q. (BY MR. MALLIN) Do you have before |  |
| 6 | you the slides used during the earnings call for |  |
| 7 | the third quarter of 2014 and the fourth quarter of |  |
| 8 | 2014? I believe that they are Exhibits 70 and 71. |  |
| 9 | A. Yes. |  |
| 10 | Q. Let's start with first from the third |  |
| 11 | quarter of 2014. Do you have that? |  |
| 12 | A. 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? |  |
| 18 | A. Yes, we did. |  |
| 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 | A. Well, that they could consider these |  |
| 24 | forward looking statements are about future, not |  |
| 25 | past events and while certain important risks and |  |

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uncertainties any of which could cause a company's
    actual results to differ materially from those
    expressed in the forward looking statements.
    Q. There were certain risks that were
    identified as part of this third quarter 2014 call,
    were there not?
    A. Yes.
    Q. Can you give me a list of those?
    A. Yes. We typically review our core
    product activity program which is on page 7 of that
    dec.
    Q. Mr. Boyles I'm still on page 2,
        forward looking statements?
    A. I'm sorry, you're talking the forward
    looking statements.
    Q. Maybe I'm wrong, tell me if I'm right
        or wrong here. Did the company, did Noranda, for
        anyone who wished to participate or review these
        slides tell those look, there are certain risks
        that you ought to be aware of with regard to
        forward looking statements?
    A. Yes, we did.
    Q. Was one of those the cyclical nature
        of the aluminum industry?
    A. I believe it's on this page, I can't
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1 pick it up right off the top.
Q. I'm looking down at the fifth line, sir, if that helps you.
A. Yes.
Q. What other risks or information were being provided to anyone who was listening in with regard to forward looking statements?
A. A downturn in general economic conditions including changes in interest rates as well as a downturn in the end use markets for certain of the company products. Fluctuations in the relative cost of certain raw materials and energy compared to the price of primary aluminum and aluminum rolled products.
Q. Anything else?
A. The effects of competition in Noranda's business lines, Noranda's ability to retain customers, a substantial number of which do not have long term contractual arrangements with the company. The ability to fulfill business, business's substantial capital investment needs, labor relations, i.e. disruptions, strikes or work stoppages and labor costs, unexpected issues arising in connection with Noranda's operations outside of the United States, the ability to retain
key management personnel and Noranda's expectations
with respect to the acquisition, activity or
difficulties encountered in connection with
acquisitions, dispositions or similar transactions.
Q. Did Noranda as part of this third
quarter 2014 conference call also tell anyone who
was participating or viewing these slides that it
should go look to Noranda's 10K and its quarterly
reports?
A. Yes, we did.
Q. And for what reason or purpose did it
do so?
A. To look at the risk factors and the
disclosures in our 10k.
Q. Now, in the third quarter of 2014,
this dec, was there certain underlying assumptions
with regard to how Noranda may perform going
forward into the fourth quarter?
A. That's correct.
Q. And are they found somewhere in this
dec?
A. Yes, on slide 7.
Q. I'm on slide 7 that says productivity
compliments growth in creating value. Am I in the
right place?
A. Yes.
Q. Okay. What on this page tells me
what the assumptions were with regard to how well
or not Noranda might perform in the fourth quarter?
A. Well, this gives an update on the
step change and our cost structure that we talked
about and the $\$ 85$ million improvement in our
segment profit from 2014 to 2016 and we bridge
that --
Q. Hold on a second, you've got me all
confused.
A. Okay.
Q. What's a step change?
A. Meaning an increased level, a step
change being it could be an increase or decrease in
your run rate.
Q. And what do you mean by run rate?
A. Your historical profitability.
Q. Okay. And was one of these steps
with regard to power?
A. Yes.
Q. What is this telling me with regard to the step change with regard to power?
A. We had included the expectation of
obtaining rate relief and achieving these

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objectives of 50 million.
    Q. So that was one of the assumptions
with regard to productivity -- you called it
    segment profit?
    A. Yeah, or profitability.
    Q. So an assumption to that
profitability was how much in rate relief?
    A. 50 million.
    Q. From the Public Service Commission.
    A. That's correct.
    Q. Now, with regard to the earnings call
associated with this particular dec, that's Exhibit
No. 72. Do you have that before you, sir?
    A. Yes, I do.
    Q. The questions and answers here are
related to the dec we were just looking at, is that
correct?
    A. That's correct.
    Q. And the statements that you made and
Mr. Smith made, did they all assume this $50
million of power savings?
    A. Yes, they did.
    Q. Did anyone on that call ask either
you or Mr. Smith I want you to assume for a second
that you don't get $50 million in power savings,
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what's going to happen to the smelter?
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    A. No. No one did.
    Q. Did anyone ask you on the call if you
    don't get $\$ 50$ million worth of power savings what's
going to happen with the company?
A. No, I don't think they did.
Q. Anyone ask you what's going to happen
to its liquidity?
A. No.
Q. To its cash flow?
A. No.
Q. Let's talk about the slides now from
the fourth quarter of 2014. Do you have those
before you?
A. Yes, I do.
Q. This is Exhibit 70, am I correct?
A. Yes.
Q. Is there a similar statement with
regard to forward looking statements to anyone who
participated on that call or chose to view these
slides?
A. Yes, it is, on page 2.
Q. I'm not going to have you go through
this list again but are the same risk factors
identified here again for anyone who was


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Q. Which of those particular items here pertain to the power rate?
A. The second item where you see in the
    left hand bubble New Madrid electricity rate
    reduction, $40 million per year. Even at impact.
Q. So what information was being
conveyed in this slide to anyone participating in
this call or viewing these slides?
A. That included in our transformation of our cost structure the productivity improvements that we include in that \(\$ 85\) million that getting rate relief was a key component of that \(\$ 85\) million.
Q. In the amount of \(\$ 40 \mathrm{milli}\) ( m per year in terms of the EBITDA impact.
A. That's correct.
Q. Now let's turn to the transcript from that call, that's Exhibit No. 69?
A. Okay.
Q. Do you have that before you?
A. Yes, I do.
Q. In the statements that were being
made in that call as well as the questions posed and the answers provided was this particular item with regard to \(\$ 40\) million per year in energy cost
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savings the underlying assumption to what was
provided to those participating?
    A. Yes, it was.
    Q. Did anyone in this call in the fourth
quarter of 2014 ask the question what would happen
if Noranda did not, Noranda did not get a $40
million per year power rate reduction?
    A. I don't believe so.
    Q. Did anyone ask what would happen to
the plant, to the smelter if there wasn't a $40
million reduction in power rate?
    A. No, I don't think so.
    Q. Did anyone ask what would happen to
Noranda's liquidity in that situation?
    A. No.
    Q. Did anyone ask what would happen to
its cash flow in that situation?
    A. No.
    Q. You were in the courtroom, the
hearing room earlier when Mr. Smith identified the
10K that was filed with regard to December 31, 2014
on behalf of Noranda, is that correct?
    A. Yes.
    Q. You were asked questions about it
earlier?
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A. That's correct.
Q. And the risk factors that are found
in there address both the smelter itself as well as
the rod mill, is that correct?
A. That's correct.
Q. Were you part of the decision making
group that decided those had to be included?
A. Yes.
MR. MALLIN: This part does need to
go HC, Your Honor.

JUDGE WOODRUFF: All right.

MR. LOWERY: I just wanted to alert
you that the last two times you went into highly
confidential the microphone apparently was still on
even though the picture was still showing.
JUDGE WOODRUFF: Yes, there was a
problem particularly at the beginning of your
recross.
MR. LOWERY: Thank you, I appreciate
it.
JUDGE WOODRUFF: I apologize for
that.
(REPORTER'S NOTE: An in-camera session was held,
which is contained in Volume 34, pages 2646-2655 of
the transcript.)

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

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testimony in this case that has been pre-filed?
    A. Yes.
    Q. And is that the testimony that I've
handed you?
    A. It is.
    Q. And could you tell us for the record
what the exhibit numbers for those documents are?
    A. I would love to.
    606 and 607.
    Q. And are those documents marked 606,
606 HC and 607?
    A. Yes.
    Q. And if I were to ask you the
questions that are included in that testimony here
today would your answers be the same?
    A. They would.
    Q. Did you have any corrections to your
testimony?
    A. No.
    MS. ILES: Your Honor, I'd move for
    the admission of the, Dr. Haslag's testimony and
    tender the witness for cross examination.
    JUDGE WOODRUFF: 606, HC and NP and
    6 0 7 \text { have been offered. Any objection to their}
    receipt?
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        Hearing none it will be received.
        JUDGE WOODRUFF: Cross examination
    beginning with Public Counsel.
        MR. ALLISON: No cross. Thank you.
        JUDGE WOODRUFF: MECG?
        MR. WOODSMALL: No questions.
        JUDGE WOODRUFF: Staff?
        MR. THOMPSON: No questions. Thank
    you.
        JUDGE WOODRUFF: Ameren?
        MR. MITTEN: No questions.
        JUDGE WOODRUFF: Move for questions
    from the bench then.
        Commissioner Kenny?
        CHAIRMAN KENNEY: No thank you.
        JUDGE WOODRUFF: Mr. Hall?
        COMMISSIONER HALL: No questions.
        JUDGE WOODRUFF: All right.
        There were no questions so there's no
    need for recross or redirect and you can step down.
    A. Thank you very much.
        MS. ILES: Judge Woodruff we have a
request. Let me preface my request by explaining
that I was, understood your ruling yesterday that
you did not wish to hear an opening statement from
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    the MIEC in this matter. We do, however, have
    available today to testify a representative from
    the MIEC, he's the chair of the MIEC and he's from
Monsanto Corporation, his name is Steve Spinner,
he's available to provide testimony about the
    stipulation which we think would be helpful to the
    Commission in evaluating that stipulation.
    JUDGE WOODRUFF: Are you anticipating
    there will be questions from the commissioners?
    MS. ILES: We would like to ask Mr.
    Spinner some questions but if the commissioners, if
you'd rather do it that way, either way.
    JUDGE WOODRUFF: Well I'll ask the
other parties.
                            Do you have any objection to bringing
Mr. Spinner on?
    MR. LOWERY: Yes, we do have an
objection, it's completely out of order. This
person's not on the witness list, he didn't file
any testimony and the Commission can't consider the
    stipulation. The stipulation is a position of
    these parties, that's all it is, they can't
    consider it, they can't approve it, they have to
    decide this case based on the substantial and
    competent evidence of record and based on the
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    contested issues that the parties agreed upon that
    are before them. It's completely improper for MIEC
    to simply try to bolster the position of giving
    Noranda some kind of subsidy by bringing Mr.
    Spinner in at this time so absolutely we object.
    JUDGE WOODRUFF: Let me ask the
    commissioners.
    Do you have any questions you would
    like to ask Mr. Spinner for MIEC?
    CHAIRMAN KENNEY: That's a loaded
    question. I mean so, I guess the other question is
    do we have any questions about the nonunanimous
    stipulation and agreement?
    JUDGE WOODRUFF: Right.
    CHAIRMAN KENNEY: Maybe. I don't
know if I have them today, but.
    MS. ILES: Mr. Spinner is available
    right now, he's here today. He is not available
    tomorrow, he could come back on Friday.
                            CHAIRMAN KENNEY: Why does it have to
        be him?
            MS. ILES: He's the chairman of the
        MIEC and he's just made time in his schedule to be
        here Mr. Chairman. So he's here.
    CHAIRMAN KENNEY: Let me ask a
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    question. MIEC is a party to the case, right?
    MS. ILES: Yes. That's correct.
    CHAIRMAN KENNEY: Why wasn't he
    disclosed as a witness?
    MS. ILES: Because what he's here to
    talk about is something that hasn't happened before
    the hearing started. He's here to talk about the
    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
testimony and it's my understanding that it is not
unusual, that it has happened in the past that
witnesses have testified about nonunanimous
    stipulation and answered questions of the
commission on this topic.
    JUDGE WOODRUFF: What we've typically
done is allowed extra questions at the beginning of
a witness's testimony who have already pre-filed
evidence. It would be unusual to bring in a new
witness to testify about that. I don't know that
    it's unprecedented, I've just never seen it done.
    MR. LOWERY: May I respond to one
    comment? It's true that this particular
    stipulation didn't exist until now but MIEC and
    others filed a stipulation or at least supported a
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1 \text { stipulation back in I believe it was October that}
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had a price that was almost the same as the price
    that is in this stipulation and many of the terms
    of which are in many respects quite similar.
MIEC's had months if they wanted to put on a
witness to support rate relief for Noranda and they
    chose not to do so and it's fundamentally unfair
    and a violation of what the company's and any other
party's due process at this time to allow a witness
    to get up without any preparation, without any
    notes whatsoever and say whatever he wants to say
    in support of stipulation that doesn't even mean
    anything at this point. They could have filed a
    brief in the case and said we support this relief.
    It makes it no more important than the stipulation,
    the stipulation is nothing more than an argument at
    this point.
    JUDGE WOODRUFF: Mr. Hall do you want
    to weigh in?
    COMMISSIONER HALL: I have a
    question.
        JUDGE WOODRUFF: Okay.
        COMMISSIONER HALL: For Mr. Spinner.
        So I would be fine with --
        MS. ILES: I'd just like to point out
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    that in Ameren's opening statement they
    specifically mentioned Monsanto and made the
    statement that a company like Monsanto's likely to
    come in. Mr. Spinner 'S from Monsanto, he can
    certainly speak to that issue as well.
    CHAIRMAN KENNEY: Let me ask another
    question here th is for Mr. Lowery or whoever wants
        to answer.
            Was it contemplated that a corporate
-- I mean MIEC is an entity.
            MS. ILES: MIEC is a nonprofit
corporation and it's members are corporations.
    CHAIRMAN KENNEY: Was it contemplated
    that there would be some corporate representative
    of MIEC to testify?
    MR. LOWERY: No it was not
    contemplated. MIEC is a corporation that was
    formed by attorneys at Bryan Cave and all of the
    officers and directors at least according to the
    annual report that's filed each year are also
    attorneys at Bryan Cave. MIEC has filed testimony
    of numerous witnesses in this case. This is my
    sixth rate case in a row and I've probably been in
    2 0 ~ c a s e s ~ w i t h ~ M I E C , ~ t h e r e ' s ~ n e v e r ~ b e e n ~ a ~ c o r p o r a t e
    representative of MIEC appear so this would be
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unprecedented at least in my 15 years of practice
here at the Commission.
CHAIRMAN KENNEY: Mr. Spinner is the
president of the organization?
MS. ILES: He's the chair.
CHAIRMAN KENNEY: He's not listed on
any of the corporate documents?
MS. ILES: I don't think he's a
corporate officer but he's the current chair of the
organization.
JUDGE WOODRUFF: Mr. Thompson you
want to be heard?
MR. THOMPSON: I just wanted to
remind the judge that in the past it was the
practice to allow the public to testify at rate
case hearings when they were convened here in
Jefferson City and so in the nature of a local
public hearing almost and so perhaps the Commission
could take Mr. Spinner's testimony in the same way
that the testimony of participants at local public
hearings have been taken.
JUDGE WOODRUFF: That hasn't been the
practice in the last 15 years. At least that I've
been here.
CHAIRMAN KENNEY: Can I say I think

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    the issue is kind of disposed of, the commissioner
    said he wants to question him, I think we're going
    to bring him up and swear him, I guess I'm just
    trying to figure out what's fair. Do you want to
    take a recess after he testifies to have an
    opportunity to cross examine him?
    JUDGE WOODRUFF: What I anticipated
    doing if we do it we bring him up, ask questions
    from the bench then we can have cross based on that
    and the final chance for redirect based on the
    questions from the bench.
    MS. ILES: So no direct by me?
    JUDGE WOODRUFF: No direct by you.
    MS. ILES: All right. That would be
    fine.
    MR. LOWERY: And I lodge my objection
    and I certainly respect the right of the
    commissioners to allow him to testify, I've lodged
    my objection.
    JUDGE WOODRUFF: Your objection is
    noted.
        MR. LOWERY: There's probably nothing
    more to say about it.
        JUDGE WOODRUFF: Bring him forward.
    (Whereupon, the witness was sworn)
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JUDGE WOODRUFF: And for the record can you identify who you are?
A. Sure. My name is Steven Spinner, I am the chair for the MIEC and I understand that just recently $I$ was also added to the corporate documents as the vice-president of the MIEC also. That's a recent development. I am the category lead for energy procurement for Monsanto, I am responsible for energy and utility services throughout the United States for the company. In a prior position with Anheuser Busch I had the same position there and prior to that position with Anheuser Busch $I$ was also responsible, part of a team that was responsible for buying over 1.3 billion pounds of aluminum every year and so we spent a lot of time studying aluminum smelters and understanding what their cost structures were and so while my knowledge of aluminum markets is a bit dated the process and the inputs to the process I'm sure haven't changed in that approximately 10 years since $I$ was doing that.

JUDGE WOODRUFF: Okay.
Mr. Chairman did you want to go first?

CHAIRMAN KENNEY: Yeah, actually I
just have a couple questions.
EXAMINATION
QUESTIONS BY CHAIRMAN KENNEY:
Q. Are you familiar with the document
that's titled Nonunanimous Stipulation and
Agreement Regarding Economic Development, Class
Cost of Service, Revenue Allocation and Rate
Design?
A. Yes, sir.
Q. What was your involvement in the
preparation of the document?
A. I got involved some time about 14
months ago in negotiating this deal and trying to
get all the consumers together in one group to sign
on to the stipulation.
Q. Hold on a second.
A. Yes, sir.
Q. I'm talking a document that was
e-mailed to the parties in the case on the $9 t h$ of
March, 2015.
A. That's the nonunanimous stipulation.
CHAIRMAN KENNEY: May I hand this to
him?
JUDGE WOODRUFF: Sure.
A. Yes, sir.
Q. (BY CHAIRMAN KENNEY) You're familiar with this?
A. Yes, I am.
Q. And you're saying the process of developing this document came about 14 months ago?
A. Well, we started negotiating that document that was filed last year asking for rate relief which was since then denied. What we have here is an outcropping of that, that was the basis of it and then we built from there. But I have been involved in negotiations for some 14 months that finally arrived at that document.
Q. And when you say you were involved with negotiations, with whom were you involved with these negotiations?
A. Other consumer parties, the Office of Public Counsel, well, most every, all of the signators of that document listed at the bottom were involved in the negotiations. Along with the two that, Wal-Mart and MECG I believe is the name of the group that are not members of that, were also deeply involved in the negotiations of that document.
Q. Okay. There was a nonunanimous stipulation and agreement that was filed back in
October of 2014. Is that the document you would
have been talking about?
A. Yes, sir.
Q. That was this other one?
A. That was.
Q. Right. And this was on outgrowth of
that and some other things added to it.
A. Right.
CHAIRMAN KENNEY: I don't have any
other questions just yet. I may but I can't think
of any right now.
EXAMINATION
QUESTIONS BY COMMISSIONER KENNEY:
Q. Hello Mr. Spinner.
A. Hi, how are you?
Q. Good.
Does Monsanto have any type of
financial or business affiliation with Noranda?
A. No.
Q. Does Monsanto buy supplies from
Noranda?
A. No.
Q. So why is Monsanto interested in
Noranda having lower energy rates?
A. Well, it's important to us to have

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Noranda on Ameren's system to help cover, their
huge amount of volume helps cover the fixed cost.
    If Ameren, or I'm sorry, if Noranda were to go off
    the system I would have to pick up those
    additional, I, my company, the MIEC members would
have to pick up that additional fixed charge
coverage and we would see our rates estimated to go
up about 2.1 percent.
    Q. So this is just the lessor of two
evils?
    A. That's correct, yes.
    Q. So your rate would increase by what?
1.1 --
    A. Well, residentials I believe are
1.15, the industrials are about 1.5 percent, we
would be taking a bigger hit than the residentials
would be taking.
    Q. That would save you six-tenths of a
percent.
    A. That is correct. Additionally the
whole idea of having them there to provide the
security to the system and provide the, the system
    just works more efficiently when you have large
    users on the system that you can depend to be there
    2 4 \text { hours a day seven days a week.}
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Q. Okay. Thank you.

JUDGE WOODRUFF: Commissioner Hall?

EXAMINATION

QUESTIONS BY COMMISSIONER HALL:
Q. Good afternoon. Commissioner Kenney
asked the majority of the questions $I$ was going to
ask but $I$ will turn to one other issue and that is
the economic development rider which is Exhibit A
to the nonunanimous stip. Are you familiar with
that?
A. Slightly familiar with it but I'm not
a lawyer and so I haven't gone myself into looking
at this alternative to the stipulation.
Q. So you are not involved in the
drafting or negotiation of this modified economic
development rider.
A. No, sir.
Q. So you wouldn't be able to answer any
questions about how this could apply to any
particular Ameren customer.
A. No, sir.
Q. Okay.
COMMISSIONER HALL: I have no further
questions.
JUDGE WOODRUFF: Cross based on those

|  |  | 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. |  |

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questions Your Honor.
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    JUDGE WOODRUFF: Any redirect based
    on those questions from the bench?
    Thank you, sir, you can step down.
    MS. ILES: Thank you Your Honor, I
    appreciate that.
    JUDGE WOODRUFF: And then I believe
    we would be ready for Mr. Pratt.
    MR. MALLIN: Yes, Your Honor.
    (Whereupon, the witness was sworn)
            JUDGE WOODRUFF: You may inquire.
            MR. MALLIN: Thank you, Your Honor.
                            EXAMINATION
    QUESTIONS BY MR. MALLIN:
    Q. Could you state your full name for
    the record?
    A. Colin Ronald Pratt.
    Q. Mr. Pratt by whom are you employed?
    A. CRU International.
    Q. And is that \(C-R-U\), CRU?
    A. That's correct.
    Q. And in what position or capacity?
    A. Management consultant and CRU
    consultant.
    Q. Did you cause to prepare and have filed with the Public Service Commission certain direct testimony as well as surrebuttal testimony?
A. Yes, I did.
Q. And are those before you in Exhibits 608 and 609?
A. No, they're not.
Q. Well, let me get those for you.

I'm sorry Mr. Pratt, do you now have
them before you?
A. Yes, I do.
Q. Let me ask my question again. Do you have now before you Exhibit 608 and 609?
A. Yes, I do.
Q. And is 608 your direct testimony in this case?
A. Yes.
Q. And is 609 your surrebuttal testimony in this case?
A. It is.
Q. And if I were to ask you the same questions today would you provide the same answers that are found in both your direct as well as surrebuttal testimony?
A. Yes, I would.
Q. Is there any changes that you wish to make to any of that testimony?
A. No.

MR. MALLIN: Your Honor, I'd move for
the admission of Exhibits 608 and 609.

JUDGE WOODRUFF: 608 and 609 are
offered, any objection to their receipt?

Hearing none they will be received.

MR. MALLIN: Thank you, Your Honor.

I'll tender the witness.
JUDGE WOODRUFF: For cross begin with

Public Counsel?

MR. ALLISON: No questions.

JUDGE WOODRUFF: MECG?

MR. WOODSMALL: No questions.

JUDGE WOODRUFF: United for Missouri?

MR. LINTON: No questions.

JUDGE WOODRUFF: Staff?

MR. THOMPSON: No questions. Thank
you.

JUDGE WOODRUFF: Ameren?

MR. NELSON: No questions.

JUDGE WOODRUFF: Questions from the bench?

Mr. Chairman?

CHAIRMAN KENNEY: No questions.
Thank you Mr. Pratt.
JUDGE WOODRUFF: Mr. Hall?

EXAMINATION
QUESTIONS BY COMMISSIONER HALL:
Q. Good afternoon.
A. Good afternoon.
Q. You had a comment in your direct testimony that I hope you could elaborate on. You said on page 11 it is often said that an economic forecaster is driving a car with only a rear-view mirror and with a substantial blind spot. I thought it was kind of funny, but also seems abundantly accurate but $I$ was wondering if you could just comment on that for a second.
A. What it means is that when we make a full cusp we're using only information we have at present and there's a lag in the receipt of that
information so that's the blind spot, so in other
words what's happened in the last two or three
months may not be apparent because the statistics
haven't yet been published or they're going to be
revised and we're driving a car with only a
rear-view mirror because we know what's happened in
the past but we don't know what's going to happen

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    in the future.
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    Q. Okay.
    COMMISSIONER HALL: I have no further
    questions.
        JUDGE WOODRUFF: Mr. Rupp?
        Anyone wish To recross based on those
    questions from the bench?
Redirect?
MR. MALLIN: No, Your Honor.
JUDGE WOODRUFF: All right. Then Mr.
Pratt you can step down.
A. Thank you.
I believe Mr. Schwartz will be next.
MR. MALLIN: Your Honor I'm told Mr.
Schwartz apparently caught the flu, unbeknownst to
me.
JUDGE WOODRUFF: Did anyone have any
cross examination for Mr. Schwartz?
MR. MALLIN: If I could have two
minutes to figure out where we are on that.
JUDGE WOODRUFF: All right.
MR. MALLIN: I think we have another
witness back there we can bring out. Just give me
a second if you wouldn't mind Your Honor.
JUDGE WOODRUFF: Okay.
(DISCUSSION HELD OFF THE RECORD)
MR. MALLIN: Your Honor just to give you an update Mr. Schwartz was having GI cramps and he has gone back to the hotel, I'm hoping to hear back from him later this afternoon but we are going to bring forward Mr. Harris.

JUDGE WOODRUFF: Let me ask the parties about Mr. Schwartz.

Did anyone have any cross examination for him?

MR. MALLIN: That's fine, Your Honor. MR. NELSON: Your Honor we would have a small amount of cross examination. Now I offer this as an alternative. My cross examination would be premised upon questions $I$ asked him in deposition and to not further inconvenience Dr. Schwartz the court is inclined to let his direct testimony in under these circumstances. We can certainly submit our cross examination questions and answers by reference to page and line of deposition transcript as an alternative to pulling the poor man in here live.

MR. MALLIN: I appreciate the offer, I may accept the offer but the reality is I really need to talk to Mr. Schwartz. As Your Honor is

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aware I didn't ask any followup questions at his
deposition because there wasn't a need at the time
so I think it would be prudent on my part to talk
to Mr. Schwartz when we're on our next break to see
where we are and then I'll address the offer from
    there.
    JUDGE WOODRUFF: That's fine. Got
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.
    MR. MALLIN: He did report late
yesterday he wasn't feeling well.
    JUDGE WOODRUFF: That's going around.
    MR. MALLIN: I appreciate it Your
    Honor, thank you.
    JUDGE WOODRUFF: You're welcome.
        (Whereupon, the witness was sworn)
        JUDGE WOODRUFF: You may inquire,
        DIRECT EXAMINATION
    QUESTIONS BY MS. ILES:
    Q. Will you please state your full name
    for the record?
    A. Thomas Harris.
    Q. Mr. Harris where are you employed?
    A. Silicon Valley Bank.
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Q. And what is your position there?
A. I am managing director there now. A
slight change from when $I$ gave my testimony.
Q. Okay. That's different from what's
in your testimony you said?
A. Just a promotion. Same place.
Q. Congratulations.
A. Thanks.
Q. And did you prepare pre-filed
testimony in this case which is, there are copies
of it, I've handed to you which is marked Exhibits
604 and 605?
A. I did.
Q. And if I were to ask you the
questions that are included in that testimony today
would your answers be the same?
A. Yes.
MS. ILES: Your Honor I offer
Exhibits 604 and 605 and tender the witness for
cross examination.
JUDGE WOODRUFF: 604 and 605 have
been offered, any objection to their receipt?
Hearing none they will be received.
And for cross examination beginning
with Public Counsel?

MR. ALLISON: No questions. Thank

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    you.
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    JUDGE WOODRUFF: MECG?
        MR. WOODSMALL: No questions.
        JUDGE WOODRUFF: United for Missouri?
        MR. LINTON: No questions.
        JUDGE WOODRUFF: Staff?
        MR. THOMPSON: No questions.
        JUDGE WOODRUFF: Ameren?
        MR. NELSON: No questions.
        JUDGE WOODRUFF: All right.
    Questions from the bench. Mr. Chairman?
CHAIRMAN KENNEY: No questions.
JUDGE WOODRUFF: Mr. Kenney?
COMMISSIONER KENNEY: No questions.
JUDGE WOODRUFF: Mr. Hall.
COMMISSIONER HALL: No questions.
Thank you.
JUDGE WOODRUFF: Mr. Rupp?
COMMISSIONER RUPP: No questions.
JUDGE WOODRUFF: There were no
questions from the bench or from other parties so
there's no need for recross or redirect and you can
step down.
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. |  |



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A. With most of them, yes.
Q. Okay. And the cost of electricity
that you talk about is available at Schedule HWF-1
to your testimony, is that correct?
A. That is correct.
Q. Okay. I'd like to ask you about a couple of those. The first one is the word smelter, are you familiar with that?
A. The word smelter, just generally, yes, the outgoing smelter.
Q. Is it your understanding that the
work smelter is served electricity by a self-owned
coal burning power plant?
A. Yes, it's a fully integrated system, coal mine plant and then the smelter.
Q. Okay. You're a former AEP executive.
Would you agree that the costs to build a coal
    fired plant would be hundreds of millions if not
billions of dollars?
    A. To build a new one?
    Q. Yes.
    A. Yes, that would be true.
    Q. And do you know if Noranda has
    explored such an option?
    A. I would hope not.
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Q. Okay. A couple of others. The Hawesville plant, is it your understanding that Hawesville takes service, gets electric service via the wholesale market?
A. Yes. As of $I$ think the beginning of 2014.
Q. Okay.
A. Or thereabouts.
Q. I'm going to ask you, let me talk with your counsel real quick.
(DISCUSSION HELD OFF THE RECORD)
Q. (BY MR. WOODSMALL) What I'm going to ask you to do, if you go back to your 2010 testimony, he provided the same information, a comparison and the information there in HWF-1 that I'll pass out was a public document. Now the same information is highly confidential, $I$ don't understand the distinction for being highly confidential here and I'm trying to avoid going In camera for this.

JUDGE WOODRUFF: Okay.
MS. ILES: Your Honor, it should have been highly confidential in the last because of the source of the information is proprietary and that's why it couldn't be disclosed.

MR. WOODSMALL: Well, they released
it 2010 and 2012 now suddenly the information is
highly confidential.
MS. ILES: It's actually not
Noranda's interest that we're protecting of that,
it's the source and we should have protected it in
the other case.
JUDGE WOODRUFF: Is it the same
information or is it updated information?
MR. WOODSMALL: It's updated.
JUDGE WOODRUFF: Okay. You can
certainly explore that, I'm inclined to go ahead.
MR. WOODSMALL: Okay. We need to go
In camera then.
JUDGE WOODRUFF: Okay.
MR. WOODSMALL: Hold on a second, let
me get a foundation established and then we'll go
In camera.
JUDGE WOODRUFF: Okay.
MR. WOODSMALL: 979 Your Honor?
JUDGE WOODRUFF: Correct.
Q. (BY MR. WOODSMALL) Mr. Fayne, do you
recognize Exhibit 979?
A. Yes, sir.
Q. And would you agree that that is the
the transcript.)
Q. Okay.
go In camera.

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comparison cost of electricity for the domestic
    smelters that you filed in ER-2010 dash 0036?
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    A. I can't recall the rate case number
    but yes, it represents the 2009 data.
    MR. WOODSMALL: Now I believe we need
    to go In camera Your Honor.
    JUDGE WOODRUFF: All right. We will
    (REPORTER'S NOTE: An in-camera session was held,
    which is contained in Volume 34, pages 2687-2688 of
    JUDGE WOODRUFF: All right. While we were in closed section Counsel offered Exhibit 979 which would be, let's see,-- would the exhibit itself be HC?

MR. WOODSMALL: No, the exhibit was never marked --

MS. ILES: Well, if I could just explain Your Honor. The source of the information is CRU and Noranda is able to access that information because they pay a subscription fee is my understanding and so we had asked CRU if we would be able to provide this information generally without making it confidential, I guess we must have asked after we prepared this in the last case but they did tell us no, they considered it proprietary, it's not available to the general public without a subscription and that's why we marked it $H C$ to protect their proprietary information, it's not really a Noranda secret.

JUDGE WOODRUFF: All right.

Mr. Woodsmall any response?

MR. WOODSMALL: Given the state
policy for releasing information this has already been released, to try to unring the bell this is going back to the 2010 case, so five years ago.
The second point is the company, Noranda, has
released CRU information repeatedly as we've seen
in the various SEC filings, they include CRU
information in the decs that we've seen attached to
investor meetings they released CRU information so
the release of CRU information isn't absolute. Or
the protection of it is not absolute.
JUDGE WOODRUFF: We'll ago ahead and
market it as HC understanding that if somebody
wants to get creative they can go back and find it
in the earlier case. But for this case we'll
market it as HC. It's 979 HC, any objections to
its receipt?
Hearing none it will be received.
Any other cross?
MR. WOODSMALL: No.
JUDGE WOODRUFF: Ameren Missouri?
MR. MITTEN: No.
JUDGE WOODRUFF: United For Missouri?
Mr. Linton?
MR. LINTON: No questions, Your
Honor.
JUDGE WOODRUFF: Staff?
MR. THOMPSON: Thank you.
CROSS EXAMINATION

QUESTIONS BY MR. THOMPSON:
Q. Dr. Fayne, good afternoon.
A. I wish it was Dr. but it's not.
Q. Mr. Fayne, excuse me. I'm glad I accidentally promoted you rather than accidentally demoted you.

I understand you're an expert in the power industry through years of experience, is that correct?
A. Yes, sir.
Q. And particularly they provision of power to aluminum smelters, is that correct?
A. Yes, sir.
Q. Okay. Based on your experience in the power industry would you agree with me that there is a point on any given day at which it is more beneficial for the other ratepayers of Ameren Missouri a point below cost at which it's better to have Noranda on the system than to have them off the system?
A. Yes.
Q. Okay. And would you agree with me that that point necessarily will change over time?
A. Yes.
Q. As conditions change.

Q. How about seven years or 10 years?
A. I believe that is all doable.
Q. But it would be forecasts and not

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absolute?
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A. It depends on the rate making structure quite frankly. It's been done in other states where rates have been set or discounts have been provided for 10 year periods where it has been determined that other ratepayers are better off for that whole period of time.
Q. But I'm getting to the accuracy of the estimate as to what that point would be seven years or 10 years into the future.
A. That could be more difficult but I'm not saying impossible.
Q. And would you agree that the farther out you go the less confidence you would have in that estimate?
A. The potential is that you might hit a brief period where it was incorrect and the customer might not have been better off for a specific period but I think you could probably determine a number where it could be concluded the customer is better off over the entire period.
Q. But again how much confidence would

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you have in that number?
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    A. I think that could be done with great
    confidence.
    Q. Mr. Woodsmall noted that this is the
fourth time that you've testified on behalf of
Noranda before this Commission. Do you recall
that?
A. Yes, I do.
Q. But this, Missouri's not the only state in which you have testified in support of a special rate for an aluminum smelter, is that correct?
A. That is correct.
Q. You've previously testified in Kentucky, West Virginia and Ohio, is that correct?
A. That is correct.
Q. Now, could you please turn to page 4 of your direct testimony, and I want to focus on the question that begins on line 19. The question says that you conclude that the rate treatment requested by Noranda in this proceeding is consistent with rate treatment provided by regulatory commissions in other states.

Did I correctly characterize the testimony?


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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 |  |

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increased so did the rates the smelter paid for
    electricity, is that correct?
    A. Correct.
    Q. The Ohio Commission also kept the
amount of rate subsidies that a smelter could
    refuse in any given year, is that correct?
    A. Yes.
    Q. And the Ohio Commission tied the rate
    subsidies provided in the 2009 order to the
    smelter's commitment to maintain certain minimum
    levels of employment, isn't that correct?
    A. Yes.
    Q. And if the smelter failed to honor
    that equipment and reduced employment below the
minimum level the amount of the rate subsidy
    decreased, is that correct?
    A. Yes.
    Q. The Ohio Commission also required the
    smelter to pay rates in excess of the electric
    co-op's normal tariff rate if the LME price of
    aluminum exceeded a certain target price, is that
    correct?
    A. Yes.
    Q. At page 7 of your direct testimony
    you mention a 2013 case in West Virginia that
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involved a special rate arrangement for the Ravenswood smelter. Did you testify in support of the smelter's special rate arrangement in that case?
A. Yes.
MR. MITTEN: Your Honor, I'd like to have an exhibit marked.
JUDGE WOODRUFF: All right. It's number 73.
Q. (BY MR. MITTEN) Mr. Fayne if you could take a moment to look at Exhibit 73 and tell me if that's a copy of the West Virginia Commission's final order in the 2013 case involving the Ravenswood smelter's request for special rate?
A. Does appear to be, yes, sir.
MR. MITTEN: Your Honor, I move for the admission of Exhibit 73.
JUDGE WOODRUFF: 73 has been offered, any objections to its receipt?
Hearing none it will be received.
Q. (BY MR. MITTEN) The special rate arrangement the West Virginia Public Service Commission approved based rates for the Ravenswood smelter on the LME price of aluminum, is that right?
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|  |  | 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 | A. That is correct. |  |
| 3 | Q. And that is an annual amount? |  |
| 4 | A. Yes, sir. |  |
| 5 | Q. And those subsidies were provided by |  |
| 6 | legislation passed by the West Virginia |  |
| 7 | legislature? |  |
| 8 | A. They were not specifically for the |  |
| 9 | smelter but they were available to any group of |  |
| 10 | energy intensive customers. |  |
| 11 | Q. Has Noranda gone to Missouri's |  |
| 12 | general assembly to seek any kind of public support |  |
| 13 | to help the company avoid closure of the New Madrid |  |
| 14 | smelter? |  |
| 15 | A. I believe Mr. Smith testified that |  |
| 16 | they have not. |  |
| 17 | Q. Indeed Mr. Smith indicated that |  |
| 18 | Noranda made a conscientious decision not to seek |  |
| 19 | relief for the New Madrid smelter from Missouri's |  |
| 20 | general assembly because Noranda believes this |  |
| 21 | Commission is the appropriate place to seek that |  |
| 22 | relief. Do you recall that testimony? |  |
| 23 | A. I do believe that was the case, yes. |  |
| 24 | Q. Did Mr. Smith or anyone from Noranda |  |
| 25 | consult with you about that decision? |  |


|  |  | Page 2701 |
| :---: | :---: | :---: |
| 1 | A. No, sir. |  |
| 2 | Q. So you've never had any conversation |  |
| 3 | with Mr. Smith or anyone from Noranda about its |  |
| 4 | decision not to go to the Missouri general |  |
| 5 | assembly? |  |
| 6 | A. No, sir. |  |
| 7 | Q. Do you agree with that decision? |  |
| 8 | A. I have to defer to Mr. Smith's |  |
| 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 |  |
| 13 | arrangement between Alcoa's Massena smelters and |  |
| 14 | the New York Power Authority sometimes referred to |  |
| 15 | as NYPA, N-Y-P-A, is that correct? |  |
| 16 | A. Yes. |  |
| 17 | Q. NYPA is not a regulatory commission |  |
| 18 | similar to the Missouri Commission but instead it's |  |
| 19 | a public power authority that sells hydroelectric |  |
| 20 | and nuclear power on a wholesale basis, is that |  |
| 21 | correct? |  |
| 22 | A. Yes, sir. |  |
| 23 | Q. Under the agreement between NYPA and |  |
| 24 | Alcoa the rate discount that was provided is tied |  |
| 25 | to the LME price of aluminum, is that correct? |  |


|  |  | 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, |  |
| 15 | 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 |  |
| 19 | each of those states, is that right? |  |
| 20 | A. I was aware. |  |
| 21 | Q. Did you not talk to Noranda about |  |
| 22 | that? |  |
| 23 | A. About what the arrangements were in |  |
|  | the other states? No, because we had, Noranda had |  |
| 25 | provided commitments in the earlier case 0224, and |  |

the intent was to provide those same commitments
here so there was no reason to discuss it.
Q. Again my question was did you discuss
with Noranda any of the commitments or obligations
that were put on the special rate arrangements in
Ohio, West Virginia or New York?
A. I don't recall having that
discussion.
Q. But as set out in the direct
testimony that was filed for Noranda on December
19th, 2014 Noranda's special rate proposal does not
base the price of electricity provided to the New
Madrid smelter on the LME price of alumina, is that
correct?
A. Those commitments were provided in
surrebuttal.
Q. The commitment in surrebuttal based
the price on the LME price of alumina?
A. No. I'm sorry, there was no LME
adjustment.
Q. Again Mr. Fayne my question is
limited to the testimony that was filed in December
2014.
A. I understand that.
Q. And that particular proposal does not

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|  |  | 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 |  |
| 16 | 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 |  |
| 25 | subsidies that the New Madrid smelter receives. |  |

A. There's no question it's for that, no
it does not.
Q. Now, as you indicated Noranda revised its special rate proposal in surrebuttal testimony that was filed earlier, or excuse me, in January, by Kip Smith, Noranda's CEO, is that correct?
A. I would not use the term revised but the commitments were explicitly identified in that testimony.
Q. Mr. Fayne, do you know why Mr. Smith waited until surrebuttal when no party had an opportunity to respond to his testimony to propose possible employment and investment commitments?
A. As you may recall Mr. Smith was, had
had some medical issues when direct testimony was
filed and $I$ can only assume that that was the
reason why it was not reflected initially. The
intent from the start was to show those
commitments.
Q. Mr. Boyle is Noranda's CFO, isn't he?
A. Yes, he is.
Q. Could he have included those
commitments in his testimony?
A. I have no reason why he could not
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 |  |
| 21 | you agree? |  |
| 22 | A. Mechanically, yes. |  |
| 23 | Q. But during your deposition you |  |
| 24 | couldn't tell me any steps Noranda has taken in the |  |
| 25 | last 12 months to reduce its cost of alumina, isn't |  |

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

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subject to collective bargaining agreements, is
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that correct?
A. That is correct.
Q. And if they did all or both of those
things and all other costs at the smelter remained
static would that help improve Noranda's cash
position?
A. As a mechanic yes, as a true
viability, debatable.
Q. But during your deposition you
couldn't tell me any steps Noranda has taken in the
last 12 months to reduce its labor costs, is that
correct?
A. I do not know what they have done.
Q. I do not have any further questions.
Thank you Mr. Fayne.
JUDGE WOODRUFF: Questions from the
bench.
Mr. Chairman?
CHAIRMAN KENNEY: Mr. Fayne nice to
see you again.
A. Nice to see you, sir.
CHAIRMAN KENNEY: I don't have any
questions. Thanks.
JUDGE WOODRUFF: Mr. Kenney?

|  |  | 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 |  |

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

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commissions lack that authority?
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commissions lack that authority?
A. The, clearly New York is not a commission --
Q. Pardon me?
A. The New York, New York Power

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Authority is not a commission and their, they have

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Authority is not a commission and their, they have
the authority on their own, it is, clearly the
contract there was done in conjunction with the
governor but there was statutory authority for them
to do what they did.
Q. Okay.
A. In Ohio the commission believed and
it was confirmed that they had the statutory
authority to do that and they basically approved
the special contracts absent any legislation, any
legislation related.
Q. Just based upon their inherent authority to establish just and reasonable rates?
A. Correct.
Q. Okay.
A. And there was, as a side bar there were some legislative review in Ohio about whether the commission could approve special contracts and the thrust of that review was really around the fact that many of the special contracts that were
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    1 in place were never made public so that that
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legislative review really confirmed that the
    commission had the authority to do it but insisted
    that it all be in the public domain. In West
    Virginia it was a little less clear. The
    commission approved the original contract for the
Ravenswood smelter on its own authority. The staff
    of the commission was the only one who objected
    claiming that the commission did not have the
    statutory authority so that when the Ravenswood
    smelter went back for this latest order, latest
    review, as a, in order to ensure that there was no
    court appeal, a renewed contract, there was a
    movement to get the legislature to pass legislation
    at that point in time which did confirm that the
    commission had the authority and established some
    parameters. But the initial efforts in both West
    Virginia and Ohio, well, the only effort in Ohio
    basically was done at the regulatory commission
    without any additional authority.
    Q. So those are the four states with
which you are familiar?
    A. Kentucky, the Kentucky issue was not
    really a special rate, it was approving a contract
    with a utility. I'm not sure if falls quite in the
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    1 \text { same category. The authority for that commission}
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    1 \text { same category. The authority for that commission}
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which is an interesting outcome, there is no
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which is an interesting outcome, there is no
customer choice in Kentucky yet the commission
customer choice in Kentucky yet the commission
authorized the two smelters to go out, that there
authorized the two smelters to go out, that there
is a work around because they technically still buy
is a work around because they technically still buy
their power through a distribution co-op so that
their power through a distribution co-op so that
all that the commission did in that case was to
all that the commission did in that case was to
allow them to break the contract.
allow them to break the contract.
Q. So looking at Exhibit 1 for your
Q. So looking at Exhibit 1 for your
direct testimony, and I'm not going to reference
direct testimony, and I'm not going to reference
specific numbers so we can stay in open session,
specific numbers so we can stay in open session,
you mention four of the states. What about the
you mention four of the states. What about the
others?
others?
A. Well, Warwick as we discussed earlier
A. Well, Warwick as we discussed earlier
is self generation so there is no regulatory
is self generation so there is no regulatory
authority over the price that they pay, they just
authority over the price that they pay, they just
help generate. If we look at, let's see, Mt. Holly
help generate. If we look at, let's see, Mt. Holly
is served by Sante Cooper which is an electric
is served by Sante Cooper which is an electric
cooperative which is self-governing, there is no
cooperative which is self-governing, there is no
regulatory oversight over Sante Cooper, they are
regulatory oversight over Sante Cooper, they are
certainly composed of a board of their members and
certainly composed of a board of their members and
that they determine the rate that they will charge
that they determine the rate that they will charge
the smelter. They do, they are giving the smelter
the smelter. They do, they are giving the smelter
special rates compared to a full tariff, obviously
special rates compared to a full tariff, obviously
it's not a very great rate but it is a discount

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

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|  |  | 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 |  |
| 11 | 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 |  |
| 15 | 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 |  |
| 18 | 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 |  |

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    1 \text { terms of more recent ones, for example the Ormet}
    smelter I can tell that you is true firsthand and
    in terms of the Ravenswood one I can tell you that
    is true firsthand.
    Q. Which one is the Ohio?
    A. Hannibal. It's Ormet Aluminum
    Hannibal smelter.
    Q. And that's the one that shut down?
    A. That shut down just in the last year.
    Q. And is it, if you know, is the plant
    currently mothballed?
    A. The plant has been scrapped, sold for
    scrap.
    Q. What did they get for it?
    A. I have no idea but it's purely scrap
metal. They did put it up for sale prior to
    shutting it down, because of the power rate that
    was available there were no buyers, they put, the
    only one that bid on it was the scrap metal buyer
    and it was sold and it is, I think it has been
    dismantled.
    Q. Thanks.
            COMMISSIONER HALL: No further
        questions.
            JUDGE WOODRUFF: Mr. Rupp.
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QUESTIONS BY COMMISSIONER RUPP:
Q. I just have a generic question, it's
about your HC direct exhibit that you had filed on
your direct testimony but I'm not going to ask you
any questions about numbers. But are you familiar
with the table that I'm referring to?
A. Page $\mathrm{F}-1$ ?
Q. Yes, the aluminum smelter. In the
far column the cost of electricity.
A. Yes.
Q. Is that factoring in all costs to the
smelter?
A. It is the cost of electricity
delivered to the smelter.
Q. Delivered. So all costs are factored
in, all charges and everything.
A. Yes.
Q. Thank you.
JUDGE WOODRUFF: Any redirect based
on questions from the bench?
We'll go back to MECG first.
MR. WOODSMALL: Just a couple
questions but $I$ think we need to go In camera.
JUDGE WOODRUFF: Okay. All right.
Q. (BY MR. THOMPSON) I want to inquire further about the arrangement paid by the New York Power Authority.
A. Yes, sir.
Q. Now when Mr. Mitten was inquiring he characterized that as a wholesale supplier of power and you agreed with him. Is it in fact true that the New York Power Authority only sells power at wholesale?
A. No, I think I missed that wholesale number, they do provide power directly to the smelters.
Q. So are those sales to the smelters, are those on retail tariffs?
A. I'm not sure what the precise structure is of the New York Power Authority tariffs.
Q. Okay.
A. So I can't answer the question.
Q. Are you aware that there's a statute in Missouri that might allow Noranda to take power on a wholesale basis?
A. I understand that, with the caveat that they have a contract with Ameren, yes, I am aware of that.

specifically approved the concept of a level and
structure of rates based not solely on cost and not
absolutely without some level of differentiation
from traditionally set rates.
Did I read that correctly?
A. You did.
Q. Do you know if the Missouri general
assembly has approached the concept that is
described in the paragraph $I$ just read?
A. I do not know.
Q. Let's move down to the next paragraph
that describes West Virginia code section 24 dash 2
dash $1 J$ paren lower case a, close paren, paren 6,
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
reasonably expected to support the long term
operation of energy intensive industrial customers.
Do you see that?
A. I do.
Q. Do you know if Missouri has a statute
like that?
A. I do not.
Q. Let's move to the next paragraph

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

Do you know if Missouri has a statute similar to that?
A. I do not.
Q. And finally we'll go down to the next paragraph which describes West Virginia code section 24 dash 2 dash $1 J$ paren lower case $F$, close paren which according to the order authorizes the commission to determine whether any excess revenue or revenues shortfall created by a special rate should be allocated among any other customers of the utility and whether the determination of how that revenue shortfall or excess revenue should be allocated is just, reasonable and fairly balances the interests of other consumers, the utility and the customers receiving the special rate.

Do you see that?
A. I do.
Q. Do you know if Missouri has a statute similar to that?
A. I do not know.
Q. No further questions, thank you.

JUDGE WOODRUFF: All right. Then redirect.


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

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    the plant, of the smelter basically determined that
    with that power rate there was no way to keep it
    viable more than }12\mathrm{ months and therefore chose not
    to exercise its option.
    Q. Did the conditions that Mr. Mitten
went through that were placed on their special
    rate, did they come into play at all?
    A. Never.
    Q. Okay. And then you also mentioned
Ravenswood which received a special rate and also
went out of business.
    A. Ravenswood had a special rate back in
    2 0 0 6 ~ a n d ~ t h i s ~ w a s ~ p r i o r ~ t o ~ a n y ~ l e g i s l a t i o n ~ i n ~ W e s t
    Virginia, it lasted for about four years and it was
    based on an LME index. The design was such that it
    didn't provide sufficient flexibility to get
    through the peaks and troughs of the LME cycle and
    as a result when the LME fell dramatically the
    company became cash poor, it's liquidity went down
    to zero and it was forced to shut down. It has
been shut down since 2009, the special rate that we
    were talking about in 2013 was their request for a
    special rate intended to restart the smelter, the
    company concluded that the rate relief provided in
    that case was insufficient to support a restart.
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Q. Okay. Mr. Mitten and Mr. Thompson both asked you about a wholesale contract for Noranda, do you remember those questions?
A. I do.
Q. Do you know whether Noranda has considered a possible wholesale contract with Ameren?
A. My understanding is there were discussions regarding a potential for transforming the current relationship to a wholesale one versus a retail one.
Q. Do you know why Noranda has not agreed to this wholesale option?
A. I was not directly involved in the latter part of those negotiations but I understand that the, it was unclear who would bear the risk if the rate was not supported.
Q. It was unclear who would bear the risk?
A. My understanding is that it was a risk that was intended to be imposed on Noranda but it was never settled where that risk would reside.
Q. Okay. Do you know whether or not part of the risk had to do with whether or not the contract would be upheld as legal?
A. I'm not sure whether that was an

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    issue or not.
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                            MS. ILES: No further questions.
                            JUDGE WOODRUFF: Okay. Then you can
    step down. Thank you, sir.
And we'll take a break before the
next witness which I believe will be Mr. Brubaker.
(RECESS TAKEN BY PARTIES)
JUDGE WOODRUFF: All right, let's go
back on the record. We're back from our break and
Mr. Brubaker has taken the stand.
Did you testify earlier?
A. I did, yes, sir.
JUDGE WOODRUFF: You are still under
oath then.
A. $\quad I$ am.
MR. DOWNEY: Judge, did $I$ not get a
ruling yet on introducing Exhibits 503, 504 or 505,
Mr. Brubaker's direct, rebuttal and surrebuttal but
he has a modification to one of the schedules in
his testimony based on the stipulation that the
nonunanimous stipulation that was filed and what I
did was $I$ provided that schedule to all counsel and
to the commissioners and I had it marked as Exhibit
534 in anticipation that there would be questions

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about how a $34 rate would impact other classes.
    So I thought I'd bring that to your attention now.
    JUDGE WOODRUFF: Okay. What you gave
        me is 534 has multiple pages with Schedules 6, 7, 8
        and 9, is that correct?
            MR. DOWNEY: I believe that is
    correct.
    JUDGE WOODRUFF: Okay. Are you going
to just go ahead and offer this?
    MR. DOWNEY: I'll offer them all now,
    I know there'll be an objection to Exhibit 534.
    JUDGE WOODRUFF: All right.
    All right. Brubaker's direct 503,
rebuttal 504 and 505 have been offered, any
    objections to those documents? I'll deal with the
other one later.
    Okay, 503, 504 and 505 are admitted,
    5 3 4 \text { also has been offered, any objection to its}
receipt?
    MR. LOWERY: Your Honor I do object.
As I understand it this is a recalculation of an
exhibit to one of Mr. Brubaker's testimonies,
represented to be based upon the rate reflected in
the nonunanimous stipulation, again that
nonunanimous stipulation is nothing really more
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    than a brief at this point and I don't think that
    it's appropriate that witnesses can take the
witness stand, put a bunch of new numbers in the
record just because they are advocating a different
    result.
    JUDGE WOODRUFF: Anyone else wish to
    respond?
    MR. DOWNEY: I can respond to the
    objection.
    JUDGE WOODRUFF: Go ahead Mr. Downey.
    MR. DOWNEY: I can withhold offering
    that until I see if there are any questions about
    the $34 rate and if there are then I can introduce
    it at that time.
    JUDGE WOODRUFF: All right. We'll
    defer ruling on that until we go through the cross
    examination questions and questions from the bench.
    Okay.
    So are you offering for cross at this
    point?
    MR. DOWNEY: I am.
    JUDGE WOODRUFF: All right. Public
    Counsel?
    MR. ALLISON: No cross, thank you.
    JUDGE WOODRUFF: MECG?
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|  |  | 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 2736 |
| :---: | :---: | :---: |
| 1 | A. These schedules do not. |  |
| 2 | 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 |  |
| 15 | 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 |  |

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    they would be better off with Noranda closing down
```

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

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    A. That's okay, I'm doing all right.
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Q. The customers, the large primary customers would be point 17 percent better off with Noranda shutting down than the Noranda proposal in this case, is that correct, yes or no?

MR. ALLISON: Can I just lodge a clarifying objection?

This was the proposal that was originally filed as opposed to the stipulated proposal, is it not? What are we talking when we're talking about proposal, I'm sorry?

MR. WOODSMALL: The Noranda proposal in this case.

MR. ALLISON: So the 32.50 rate which is not their position now.

MR. WOODSMALL: The 32.50 is all that is in evidence now, correct.

MR. ALLISON: Okay. I just want to make clear what position Noranda has taken and when.
Q. (BY MR. WOODSMALL) So under the 32.50 proposal large primary customers would be better off with Noranda shutting down, yes or no?
A. Only under one of the three calculations presented.
Q. Yes or no, under the 48 month

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average.
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A. Under the 48 month average which is one of the three the answer is yes.
Q. Okay. And would you agree that under the Noranda proposal as presented in your direct testimony this would exclude any FAC, foot FAC adjustments, is that correct?
A. When you say this what do you mean?
Q. The Noranda proposal is to exclude future FAC adjustments, is that correct?
A. Future adjustments, yes. The impact of the current FAC is reflected in MEB-COS 9 at its current level of $\$ 4.40$ for megawatt hours.
Q. The Noranda proposal is to exempt themselves from the application of the FSC, is that correct?
A. Yes. For the future.
Q. And so the differential of point 1, if the FAC has a positive adjustment the differential would be greater than point 17 , is that correct?
A. Already that would not be true because the fuel adjustment has already decreased from 4.4 roughly to 3.96 so that already would not 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 |  |
| 20 | 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. |  |
| 24 | Q. Okay. And will that differential |  |
| 25 | grow because of the limited escalator that you have |  |

proposed in your testimony?
A. It will depend on what happens with
the net actual voided energy costs but likely it
will.
Q. Okay.
MR. WOODSMALL: I have no further
questions. Thank you.
JUDGE WOODRUFF: Staff?
MR. THOMPSON: Thank you, Judge.
CROSS EXAMINATION
QUESTIONS BY MR. THOMPSON:
Q. Do you have Exhibit 534 in front of
you?
A. Yes, sir, I do.
Q. Can you tell me what that is?
A. I can. This is, I would call it
supplemental information based on the $\$ 34$ rate
contained in the nonunanimous stipulation and
agreement.
Q. Did you calculate this?
A. I did.
Q. And you prepared this document?
A. I did.
Q. Now, I think you said in your answer
that there was a $\$ 34$ rate that had been proposed?


Q. A year?
A. Yes.
Q. How about an 18 month period such as the average interval between Ameren Missouri rate cases?
A. I think a determination, a reasonable estimate could be made based upon current
information.
Q. Thank you.

I have no further questions. JUDGE WOODRUFF: All right. For Ameren.

## CROSS EXAMINATION

QUESTIONS BY MR. LOWERY:
Q. Following up on Mr. Thompson's questions. You calculated for example a forecast of what the voided cost would be with Noranda on the system versus off the system on an 18 month basis that would be a forecast, right?
A. It would be, it could either be a fundamental forecast or it could be based on market indexes.
Q. But in any event it's a prediction of the future.
A. It's looking forward, you could lock
in a price, that's my point.
Q. I didn't ask whether you could contract and lock in a price. Let's imagine we're not contracting, we're not locking in a price, we're not hedging anything, okay?
A. Okay.
Q. All we're doing is we're trying to say I'm trying to predict over the next 18 months whether or not Ameren Missouri's customers will be better off with Noranda on the system or off the system. Do you understand that assumption?
A. I do.
Q. And if you were doing that you would be making an estimate or a forecast of whether or not that would be true because you wouldn't know whether it will be true or not, would you?
A. Right. We don't know for sure about the future.
Q. It's a lot like what Mr. Pratt said when he said driving with a blind spot and only with a rear-view mirror, right, you cannot see forward, can you?
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

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35 and Noranda would be contributing $\$ 40$ if they
were paying retail rates on the system, just as a
hypothetical, okay, you understand that? You
understand those assumptions?
A. I think so, yes.
Q. And so your forecast was going to be
35 but if it turned out that the actual turned out
to be 41 or 42 then the forecast that said the
customer would be better off with Noranda on the
system actually would turn out to be incorrect,
isn't that right?
A. For that period of time, yes.
Q. And isn't it true the farther out you
go the less reliable such a forecast would become,
isn't that true?
A. That is correct.
Q. There isn't really a whole lot of
viability in the markets beyond what, two years,
three years at best?
A. Two or three years, yes.
Q. The calculations that are reflected
in Exhibit 534, and I'm not asking you to identify
them, but I'm asking you simply when did you
perform these calculations?
A. I prepared these at the request of
counsel last week.
Q. Last week. So you've had these

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    figures for a week or more, is that right?
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    A. I had them, there was no stipulation
    until a couple days ago but $I$ had them last week.
Q. Okay. MR. LOWERY: I don't have any further questions.

JUDGE WOODRUFF: Come up for questions from the bench.

Mr. Chairman?

EXAMINATION

QUESTIONS BY CHAIRMAN KENNEY:
Q. Mr. Brubaker, good afternoon.
A. Good afternoon.
Q. Have you offered an opinion on the
Ameren proposal to move Noranda to a wholesale
rate?
A. I have not presented any testimony on that question.
Q. Do you have an opinion?
A. I had conversations with Noranda as they were having the negotiations with Ameren, I have to be very careful, it's all under confidentiality agreements. I think I can say it

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was my view that there were substantial potential
risks of going to that kind of a structure.
    Q. And what was the risk?
    A. The risk that I saw, the main risk
was in the first place being able to get that
    structure approved. That was a risk. Were it to
be approved then I felt that there were the
    potential for a court appeal that would invalidate
    that rate and perhaps, perhaps create a retroactive
    increased requirement under what I understand to be
    the current statutes, my non-legal understanding of
    that, or if it were approved and there was a
    subsequent fuel adjustment proceeding that raised
    the question of prudency of flowing the costs
    associated with serving the wholesale customer of
    this magnitude through the FAC I thought there was
    a potential for a disallowance and perhaps a
    retractive refund. Those were the risks that we
    outlined to Noranda. Now what other risks they may
    have taken into account or how they may have
    appraised that in their interface with Ameren I do
    not know, I was not present for those discussions.
    Q. Okay.
    That's all I have thank you. Thanks
        for your time.
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COMMISSIONER KENNEY: No questions.

Thank you.

JUDGE WOODRUFF: Mr. Hall?

EXAMINATION

QUESTIONS BY COMMISSIONER HALL:
Q. Good afternoon Mr. Brubaker.
A. Good afternoon.
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, the SAS rate class? Why not just change the rate design on the existing LTS?
A. Certainly you could do that. The basis for the recommendation was to have a place to go back to at the end of the contract period.
Q. Okay. Exhibit 534, you show, this is, contains your computations, correct?
A. Yes, sir.
Q. This shows the amount of adjustment at the $\$ 34$ rate as being 16.584 million, is that correct?
A. That is correct, yes.
Q. Okay. So if you combined that with the elimination of the FAC what we are essentially talking about is a 35.1 million subsidy, is that
correct?
A. The difference is 33.2 million on
page 1 of schedule 9.
Q. Pardon me?
A. Page 1 of schedule 9 it's $\$ 33.2$
million, or 1.2 percent overall.
Q. Well the, in your direct testimony you said that the elimination of the FAC would be 18.5 million.
A. And that was correct at that time. The fuel adjustment has subsequently decreased so just to set the predicate there are two differences in 534 from the filed testimony, one is the level of the rate, the $\$ 34$ dollars versus 32.50 and the other is to reflect the decrease in the FAC from what it was at the time the testimony was filed to today.
Q. So the total subsidy you said would be 33.2 as shown on, I guess this is page 9 ?
A. Page 2 of schedule $\operatorname{MEB}$ dash $\operatorname{COS}$ dash 9. Actually page 1. Pardon me.
Q. Page 1. 33.2.
A. 33.2. That's the deviation below the fully allocated embedded cost of service.
Q. Okay. On page 43 of your direct

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testimony you discuss the justification for a load
retention rate and you say on line 6 the basis for
such a rate is typically a price at or above
    incremental costs. What is the incremental cost?
    A. In this context the costs that we
have evaluated are test year costs and my colleague
Mr. Dauphinais who appears next can give you all
    the details for how he got those numbers but we
believe they range from $28.03 a megawatt hour to
    $29.39 a megawatt hour.
    Q. All right.
    A. It's really the change in what
happens at the margin if the load were not served.
    It's a combination of what the power would fetch in
    the open marked were it sold on the open market
    rather than to Noranda plus any savings in the
    transmission and other charges that would be
    avoided.
    Q. Later on that same page you calculate
    at lines 12 and 13 you calculate the net revenue
    loss if the smelter were not served to be
    approximately 54 to 60 million per year. That
would be a reduction in revenues to Ameren.
    A. You could look at it that way. It's
the, reflects the loss of what they would get --
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Q. The reduction in some of their costs, there's a greater reduction in their revenues, the difference is between 54 and 60 million.
A. That's right, yes.
Q. Okay. What are you assuming would happen in that calculation to the electricity that Ameren was selling Noranda?
A. The assumption is that it would be sold in the MSO market.
Q. And what would happen to the revenues from those sales in this calculation?
A. They would flow ultimately through the fuel adjustment clause.
Q. Back to customers.
A. Back to customers, right.
Q. So when you are determining what the percentage increase to customers 2.1 to 2.22 you are assuming that 95 percent of all those, of those offsets in sales are going back to customers and they're still getting a two percent rate increase?
A. That's correct.
Q. Your, what is your understanding of the \(N\) factor and whether or not those off system sales proceeds would in fact go back to Ameren customers? Under the current FAC.
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|  |  | 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. |  |
| 24 | Q. Yeah, that's always been pretty much |  |
| 25 | my outcome and my philosophy and my testimony, I |  |

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|  |  | Page 2754 |
| :---: | :---: | :---: |
| 1 | think it sums up as equity, conservation and |  |
| 2 | 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. |  |
| 14 | 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 1 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. |  |
| 20 | 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 |  |

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    is what, $1.60.
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Q. All right.

COMMISSIONER HALL: No further
questions. Thank you.

JUDGE WOODRUFF: Mr. Rupp?

EXAMINATION

QUESTIONS BY MR. RUPP:
Q. Good afternoon.
A. Good afternoon.
Q. Following up on a question that the Chairman had about the risks that you identified with going to the wholesale market, the risks of being a court challenge, you know, to the contract and everything, if the general assembly were to pass some type of legislation that would specifically allow the Commission and parties to enter into those types of contracts would that mitigate that risk of a court challenge?
A. I presume that it would.
Q. Was there any considerations to your knowledge between the parties of Ameren and Noranda on this issue of if they came to an agreement on a contract and dollar amount of presenting a unified front to the legislature and asking for some type of legislation that would provide them more comfort

|  |  | Page 2756 |
| :---: | :---: | :---: |
| 1 | with mitigating that risk? |  |
| 2 | A. I don't know. |  |
| 3 | Q. Thank you. |  |
| 4 | JUDGE WOODRUFF: All right. Any |  |
| 5 | recross based on questions from the bench? |  |
| 6 | Begin with Public Counsel. |  |
| 7 | RECROSS EXAMINATION |  |
| 8 | QUESTIONS BY MR. ALLISON: |  |
| 9 | Q. Mr. Brubaker, how are you? |  |
| 10 | A. Good, thanks. |  |
| 11 | Q. Commission Hall asked you some |  |
| 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 |  |
| 15 | you can confirm this for me. So the total overall, |  |
| 16 | or average, I guess I should say the total average |  |
| 17 | impact 1.32 percent, is that correct? |  |
| 18 | A. Correct. |  |
| 19 | Q. Okay. And just going through this |  |
| 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 | A. That's correct. |  |
| 24 | Q. And then the small general service |  |
| 25 | impact goes up to 1.18 percent, is that correct? |  |



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

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    further questions. Thank you.
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|  |  | 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 |  |

```
Commissioner Hall that that was quote, the
deviation below any allocated embedded cost of
service. That's not correct, is it?
    A. I can't, any embedded cost of service
would be about four percent higher.
    Q. Okay.
    A. On the base rate revenue column.
    Thank you.
    Q. So this is $33 million below that
four percent, is that correct?
    A. That's correct.
    Q. Okay. Now that 33 million is the
impact of the nonunanimous stipulation, is that
correct?
    A. That's right. It would be about 34
million with the four percent adjustment, but yes,
that's right.
    Q. Okay. Now, going to the page before
that, MEB-COS dash 8, again looking at column 3,
the 48 month average that staff proposed, you would
agree that the impact on customers if Noranda
closed is 42.698 million, is that correct?
    A. If that's the number I would disagree
with your characterization of that number being
what staff proposed in this case. That's the
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|  |  | Page 2761 |
| :---: | :---: | :---: |
|  | 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. |  |
| 21 | Q. Right. |  |
| 22 | A. That's about right. |  |
| 23 | 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 |
| :---: | :---: | :---: |
| 1 | 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 |  |
| 16 | be Noranda's share, would you accept that that is |  |
| 17 | \$8.25 million? |  |
| 18 | A. Yes. |  |
| 19 | Q. Okay. So you said earlier that the |  |
| 20 | difference between the 42.7 million and 33 million |  |
| 21 | is $\$ 9$ million, is that correct? |  |
| 22 | A. It is. |  |
| 23 | Q. Okay. So that $\$ 9$ million |  |
| 24 | differential will be reduced if not eliminated as a |  |
| 25 | result of the revenue requirement increase |  |

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authorized in this case, is that correct?
    A. If you focus your numbers on the 48
month average which I've suggested is not the right
number that would be true.
    Q. Okay.
            No further questions, thank you.
            JUDGE WOODRUFF: Staff?
            MR. THOMPSON: Thank you Judge.
    CROSS EXAMINATIONQUESTIONS BY MR. THOMPSON:
    Q. You may have answered this but you
were asked questions about Exhibit 534 by
Commissioner Hall looking at the first page, line
    5, that number 16.584, that doesn't take account of
    any revenue requirement increase in this case,
    correct?
    A. Correct.
    Q. Okay. So in reality it would be
higher.
    A. As a function of whatever increase
the company may get.
Q. Now, you were asked questions about
    risks by Commissioner Rupp, do you recall? And was
the risk that Noranda was trying to avoid the risk
that it would have to pay the difference between a
wholesale rate and Ameren Missouri's wholesale
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costs of power?
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A. I don't know how that would have come out looking at the structure though there was a
perceived risk not only of nonimplementation of the
rate, there was a wholesale rate that also as I
discussed with Commissioner Rupp. What might
happen later on and what the outcome of that would
be I don't know.
Q. Okay.
A. But there was definitely a perception of risk.
Q. Under your FAC proposal would 95 percent of that risk go to ratepayers?
A. No, I don't know that it would. It really depends on the circumstances of what kind of disallowance or adjustment might be ordered.
Q. Okay. Now, your proposal, both the one that you originally filed and the one in the stipulation and agreement, both of those include or both of them provide do they not that Noranda will not be subject to the FAC.
A. That's correct.
Q. And isn't it true that the FAC is adjusted every six months?
A. Four months I think. Every four.
Q. Okay. Every four months, thank you. I stand corrected. So how many four month periods are there in 10 years?
A. 30 .
Q. Would you agree there are 30? So there would be 30 FSC rate adjustments that Noranda would be exempted from.

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    A. Yes. Unless the rate is, the rate is
    subject to continuous review by the Commission in
    each rate case so unless, and it could be that the
    Commission would make some change in that in some
    future rate case, so, you know, whether that would
    extend for a }10\mathrm{ year period of time I think is, may
    not.
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Q. Okay. Would you agree with me that
the costs that go through the FAC are real costs
that Ameren has to pay?
A. I think they're hard dollar costs,
yes. I don't know that there's anything other than
that that's in there.
Q. Okay. And --
A. There are some revenues that offsets a net number but they're all hard costs.
Q. I understand. Taking into account the fact that it's a net number if Noranda is
exempt from the FAC then who, if you know or have an opinion, who will be picking up those costs that Noranda's not paying?
A. Other customers.
Q. Thank you. No further questions.

JUDGE WOODRUFF: For Ameren.

CROSS EXAMINATION
QUESTIONS BY MR. LOWERY:
Q. Mr. Brubaker you may have already said this but $I$ wanted to expand on it a little bit. All of the these figures, this $\$ 33$ million figure which actually if you want to look at it on a, even a current cost of service, current rates are as I see four percent too low but $\$ 33$ million figure, this 1.23 percent, all of the percentages for each of the rate classes none of them take into account any increase that might be granted in this case or in any future case, isn't that right?
A. That's correct.
Q. And in fact all of these analyses, they don't take into account or make any attempt to predict what the opportunity cost of having Noranda on the system versus off the system in the future will actually be, isn't that right?
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 |  |
| 15 | or forward capacity prices or other forecasts in |  |
| 16 | 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. |  |
| 20 | 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? |  |
| 25 | A. He considered it and he doesn't |  |

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    1 \text { adjust them for reasons he has explained in his}
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    testimony.
    Q. But my simple question is he may have
    considered using future information, he may have
    reasons for why he didn't actually use those
    dollars in the future but he didn't actually use
    any future dollars in calculating the 28 or $29,
    isn't that right?
    A. And my response to you would be yes
    because he didn't think it was necessary.
    Q. I understand I didn't think it was
    necessary. But as we just discussed none of us
    know what the future's going to bring, do we?
    A. We do not.
    MR. LOWERY: I don't have any further
    questions Your Honor.
                            JUDGE WOODRUFF: Redirect?
            REDIRECT EXAMINATION
    QUESTIONS BY MR. DOWNEY:
    Q. Let's just work backwards Mr.
    Brubaker.
                            Do you know why Mr. Dauphinais didn't
think it was necessary?
    A. I would have to try to summarize his
    testimony.
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Q. That's fine. But Mr. Dauphinais did also consider future forward energy prices?
A. It's my understanding he considered those in arriving at his recommendations.
Q. Okay. And would you explain to the Commission how the base rates rebase fuel costs in a rate case?
A. Typically when you have a rate case there's some increase or decrease, lately it's been an increase in fuel costs and that gets folded into the new base rate so I think Mr. Thompson mentioned 100 million, or Mr. Woodsmall perhaps mentioned $\$ 100$ million fuel cost that will be folded into base rates in this case and in subsequent cases as well. So it's not all hanging out of the FAC, it gets somewhat escalated each time there's a rate case.
Q. Okay. Do you happen to know in the nonunanimous stip whether the proposal is for Noranda to pay a certain percentage of base rate increases?
A. Yes, I do. It's 50 percent of the otherwise applicable system average increase.
Q. So if fuel costs go up between rate cases what would happen then in terms of rebasing

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and its impact on Noranda? Under the stipulation.
A. In part it would be reflected in
increase of the base revenue, base rates for
Noranda.
Q. So if I understand correctly Noranda
would pay increased costs of fuel once they're, the
increased costs are rebased. In base rates.
A. They would pay 50 percent of whatever
the increase is including fuel and non fuel.
Q. Okay. I'm sorry, 50 percent of that.
Now, you understand the Commission
retains control over rates?
A. That's my understanding, yes.
Q. And one commission can not bind
future commissions?
A. I've been told that, yes.
Q. Do you think that's true?
A. I believe it is.
Q. Now, it's my understanding that your
testimony supported a rate of $\$ 32.50$ for Noranda?
A. It did.
Q. And was that, it was your testimony
that that rate was better for the other ratepayers
than if Noranda shut down?
A. Yes.

```
Q. And would you explain why?
A. Based on the analysis, the comparison
between what they had gotten for the power if it
were sold in the wholesale market plus any savings
and costs that number was bigger than the reduction
in rates for Noranda versus their current rates.
So it was a question of which way are you better
    off, how much, how many dollars of increase would
    the other customers face with Noranda at a lower
    rate versus no Noranda and in our evaluation
    ratepayers would see a higher rate without Noranda
    than they would under the Noranda served at a lower
price.
    Q. And if the Commission were to adopt
the $34 proposal would your opinion be the same as
far as it benefits ratepayers versus Noranda
leaving the system?
    A. It would be a larger benefit.
    Q. And if the Commission adopted a rate
    that is even higher than $34 would the benefit also
increase?
    A. Yes.
    Q. In your opinion as an expert is the
stipulated rate a just and reasonable rate and
benefit to ratepayers versus Noranda shutting down?
```



|  |  | Page 2773 |
| :---: | :---: | :---: |
| 1 | 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 |  |
| 16 | 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 |  |

reduced rate.
A. That's the comparison, that's
correct.
Q. Now, you had some questions from Mr. Thompson on the risk of the wholesale deal. Do you recall that?
A. I do.
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
build the costs, the fixed costs of providing power
under that wholesale rate in base rates to
ratepayers?
A. I mean I think that got to some of the issues, this was a departure from normal practices and we were concerned about that.
Q. And did you happen to read the testimony of OPC witnesses and Staff witnesses on the wholesale proposal?
A. I did.
Q. And is it fair to say they opposed the wholesale deal?
A. That's fair to say, they certainly did.
Q. Though there was a lot of discussion
I think with Mr. Woodsmall about page MEB-COS 8 in
Exhibit 534 regarding this 48 month average?
A. Yes.
Q. And I believe you testified that you
don't believe that is a good way to determine
incremental costs, paraphrasing. Do you recall
that?
A. Yes, I do.
Q. Would you explain to the Commission
why?
A. We thought it was not representative
to have the polar vortex in there and use a four
year average. In calculating test year data in
this case every party that did it including Staff
and Ameren and MIEC removed the effects of the
polar vortex just because they're abnormal and we
thought why should we evaluate our rate proposal on
something that everybody else has already concluded
isn't representative so for that reason $I$ don't
think that column is the primary basis that should
be used for evaluation.
Q. Now, you were asked some questions
about I believe page 35 of your direct testimony.
Q. Yes.
A. And I believe you stated that under

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|  |  | 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. |  |
| 16 | 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 |  |

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




|  |  |  |  | Page 2781 |
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the parties to the action in which this examination
    is taken; further, that I am not a relative or
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action.
    Dated this 12th day of March, 2015.
    SUZANNE BENOIST, RPR, CCR, CSR-IL
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