1	BEFORE THE PUBLIC SERVICE COMMISSION		
2	STATE OF MISSOURI		
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4	TRANSCRIPT OF PROCEEDINGS		
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6	Evidentiary Hearing		
7	December 15, 2011		
8	Jefferson City, Missouri		
9	Volume 2		
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	In the Matter of the Union Electric )		
12	Company's 2011 Utility Resource	)	
	Filing Pursuant To 4 CSR 240-	)File No. EO-2011-0271	
13	Chapter 22	)	
14			
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16	MORRIS WOODRUFF, Presiding		
	SENIC	R REGULATORY LAW JUDGE	
17	KEVIN D. GUNN, Ch	airman,	
	JEFF DAVIS,		
18	TERRY M. JARRETT,		
	ROBERT S. KENNEY,		
19	COMMIS	SIONERS.	
20			
21	REPORTED BY:		
	LISA M. BANKS, CCR		
22	TIGER COURT REPORTING		
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- 1 PROCEEDINGS
- 2 (Wherein; Company Exhibit Nos. 1HC, 1NP, 2HC,
- 3 2NP, 3, 4, 5, 6 and 7 were marked for identification.)
- 4 (Wherein; Staff Exhibit Nos. 8 through 17 were
- 5 marked for identification.)
- 6 (Wherein; MDNR Exhibit Nos. 18 through 27 were
- 7 marked for identification.)
- 8 (Wherein; NRDC Exhibit Nos. 28, 29HC, 30, 31HC,
- 9 32HC, 33 and 34 were marked for identification.)
- 10 JUDGE WOODRUFF: We're here this morning for a
- 11 hearing in -- concerning Ameren Missouri's IRP filing in File
- No. E0-2011-0271. We'll begin this morning by taking entries of
- 13 appearance beginning with Ameren.
- 14 MS. TATRO: Wendy Tatro and Tom Byrne, 1901
- 15 Chouteau Avenue, St. Louis, Missouri, 63103.
- JUDGE WOODRUFF: Okay. And for Staff?
- MR. WILLIAMS: Nathan Williams, P.O. Box 360,
- Jefferson City, Missouri, 65102.
- 19 JUDGE WOODRUFF: And for Public Counsel?
- 20 MR. MILLS: On behalf of the Office of Public
- 21 Counsel and the public, my name is Lewis Mills. My address is
- 22 P.O. Box 2230, Jefferson City, Missouri, 65102.
- JUDGE WOODRUFF: And for the NRDC?
- 24 MR. ROBERTSON: Henry Robertson, Great Rivers
- 25 Environmental Law Center, 705 Olive Street, Suite 614,

- 1 St. Louis, Missouri, 63101.
- JUDGE WOODRUFF: And for --
- 3 MR. FISK: Shannon Fisk, Natural Resource
- 4 Defense Council. My address is 400 West Madison Avenue in
- 5 Chicago, Illinois, Suite 2250. And the zip code is 60606.
- 6 JUDGE WOODRUFF: Okay. And for Department of
- 7 Natural Resources?
- 8 MS. FRAZIER: Jennifer Frazier with Missouri
- 9 Attorney General's Office for the Department of Natural
- 10 Resources, P.O. Box 899, Jefferson City, Missouri, 65010.
- 11 JUDGE WOODRUFF: Thank you. And I see MIEC in
- 12 the room.
- 13 MS. VUYLSTEKE: Diana Vuylsteke, Bryan Cave Law
- 14 Firm, 211 North Broadway, Suite 3600, St. Louis, Missouri,
- 15 63102.
- JUDGE WOODRUFF: Okay. Is there anyone -- any
- 17 other attorneys in the room that I've -- I've missed? I don't
- 18 remember seeing anyone. There were a number of other parties in
- 19 this case. Several have requested leave to be excused, which
- was granted in an order issued yesterday, so I believe that
- 21 takes care of entries of appearance for today.
- 22 Preliminary matters, there was a pending motion
- 23 out there that Ameren filed on the 12th to file a revised
- 24 surrebuttal testimony of Warren Wood. I haven't seen any
- 25 responses to that. Does anyone object to that motion?

1 Hearing no objections, it will be granted. Any other preliminary matters that anyone wants 3 to bring up before we go to the opening statements? MS. TATRO: Would it be appropriate to move into 4 5 the record the testimony of individuals that have -- their 6 appearance have been waived, also the original filing that 7 Ameren Missouri made in February and the reply to the comments? I think that would be Ameren Missouri 1HC and NP. 8 9 JUDGE WOODRUFF: All right. 10 MS. TATRO: Ameren Missouri 2HC and NP. 1 is 11 the February report, 2 is the reply to the other parties' comments. And then Ameren Missouri 6 -- Ameren Missouri 6, 12 13 which is the testimony of Steve Wills, who everyone has waived 14 cross on. 15 JUDGE WOODRUFF: Okay. 16 MS. TATRO: So I would move those be put in the 17 record. 18 JUDGE WOODRUFF: 1HC and NP was the February 19 report? 20 MS. TATRO: Yes. 21 JUDGE WOODRUFF: And 2 was also HC and NP? MS. TATRO: Yes. 22 23 JUDGE WOODRUFF: And that was the reply report?

MS. TATRO: Yes.

JUDGE WOODRUFF: And you said 6 was Steven

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1 Mills? MS. TATRO: Yes. JUDGE WOODRUFF: And was that the surrebuttal? 3 4 MS. TATRO: Yes. 5 JUDGE WOODRUFF: All right. Exhibits 1HC and 6 NP, and 2HC and NP and Exhibit 6 have been offered. Any 7 objection to their receipt? 8 Hearing none, they will be received. 9 (Wherein; Company Exhibit Nos. 1HC, 1NP, 2HC, 2NP and 6 were received into evidence.) 10 11 JUDGE WOODRUFF: That also brings up the 12 question of -- there was at least one party -- Green Belt --13 Green Line, who had some testimony they wanted to have received 14 into evidence, but they're not here today and they were excused. 15 Is anyone prepared to mark that exhibit for them? Have they 16 asked for that? 17 I don't see anybody stepping up. MS. TATRO: I did receive an e-mail from their 18 19 attorney asking if that would be -- could be placed into the 20 record. And we sent around an e-mail and the other parties said that -- I think all the parties said -- indicated they did not 21 22 object to that being placed into the record. 23 JUDGE WOODRUFF: Okay. Does anyone have a copy 24 of it?

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MS. TATRO: You know, I didn't bring a copy of

- 1 it. I certainly -- we could get it over lunch.
- JUDGE WOODRUFF: I'd appreciate that if you
- 3 could.
- 4 MS. TATRO: I can print it out.
- JUDGE WOODRUFF: Because I want to make sure
- 6 everything is clearly denominated in the record.
- 7 MS. TATRO: Okay. We'll do that.
- 8 JUDGE WOODRUFF: All right. Anything else
- 9 anyone wants to bring up?
- 10 All right. Then we'll move on to opening
- 11 statements. And we'll begin with Ameren Missouri.
- 12 MS. TATRO: Good morning, Judge. As we start
- this two-day hearing on Ameren Missouri's integrated resource
- filing, I want to start by taking a step back from the testimony
- and discuss what the filing is and what it's not supposed to
- 16 accomplish.
- 17 The IRP rule was adopted to ensure that electric
- 18 utilities in Missouri undergo a robust planning process for the
- 19 long-term provision of safe and reliable service at just and
- 20 reasonable rates. Further, as this commission itself has
- 21 acknowledged, the rules are not designed to dictate what
- decisions are to be made by the utility.
- 23 In other words, Judge, the IRP rules require the
- 24 company to do resource planning and to undertake certain
- 25 analysis as to part of that planning. The rules do not require

- that the intervenors or even the Commission agree with every
- 2 input used in the planning process nor does it require that the
- 3 utility reach the end result desired by every party in the case
- and with the variety of interests represented in this case, that
- 5 probably wouldn't be possible.
- 6 So the question that's left is to ask whether
- 7 Ameren Missouri complied with the requirements of the rule. For
- 8 example, did the company calculate total resource cost values
- 9 using the methodology set forth in 4 CSR 240-22.050 (7)(D). If
- 10 the company completed that calculation, even if other parties
- 11 would have used a different value for some portion of that
- 12 calculation, then the company has complied with that portion of
- 13 the rule.
- 14 Now, I would tell you that the company takes the
- 15 IRP planning process very seriously. It took the company 18
- 16 months to complete the analysis required. This was not a small
- amount of work. During that time period the company held
- multiple meetings with stakeholders to provide insight in how
- 19 the company was undertaking the planning process and to seek
- 20 input upon that plan. Most party in the -- most of the parties
- in this case participated in those meetings.
- 22 So did Ameren Missouri comply with the
- 23 requirements of the Commission's IRP rule? The company believes
- 24 that it has. When you read through the testimony filed by
- 25 others in this case, you will not see allegations that the

- 1 company skipped a step in the required analysis. You will see
- 2 that a party would have used a different input. You will see
- 3 that they would have weighed the scorecard differently. You
- 4 will see that they would have assigned a higher weight to PVRR,
- 5 Present Value Revenue Requirement. But you will not see the
- 6 company skipped a required step in their analysis.
- 7 Now, in addition to that you will also see at
- 8 least one specific allegation from other parties that asks this
- 9 commission to go beyond how the Commission has interpreted its
- 10 IRP rules in the past. Specifically, the argument that the
- 11 company has no choice but to adopt the plan with the lowest
- 12 PVRR. This distorts the language of the rules. It is Company's
- management who must decide what preferred plan to adopt.
- 14 And we know that this commission isn't
- 15 interested in managing the utility decision-making process, a
- 16 fact which was confirmed in their recent order of rulemaking for
- 17 the revised IRP rules. Yet, the recommendations of Staff, OPC
- and others would turn the IRP process into one where inputs are
- 19 fed in and a result is spit out and management decision-making
- 20 is ignored. And the sole criteria that Staff and OPC want that
- 21 result to be determined by relies solely upon the PVRR result.
- 22 So what is PVRR?
- 23 Well, it's exactly what it says it is. It's the
- 24 revenue requirement on a present value basis during the 20-year
- 25 resource plan. In fact, when Ameren Missouri calculated it, we

- went out almost 30 years to capture the after effects.
- 2 So according to OPC and others the plan that
- 3 results in the lowest PVRR has to be adopted regardless of
- 4 whether the company could afford to finance that plan,
- 5 regardless of whether there exists a regulatory construct that
- 6 makes energy efficiency an investment that makes business sense,
- 7 regardless of the length of time it takes the ratemaking process
- 8 to incorporate the results of energy efficiency kilowatt hours
- 9 savings into the billing unit portion of the calculation of the
- 10 company's revenue requirement in a rate case.
- 11 You see, the PVRR calculation assumes no delay.
- 12 It assumes expenditures are recovered at the same time as they
- 13 are made. Sometimes this is referred to as Perfect Ratemaking.
- 14 But in reality it should be called Impossible Ratemaking because
- 15 rates cannot be set on an instant basis so that they align
- 16 exactly with the expenditures as they are made.
- So given these limitations what is the role of
- 18 PVRR? PVRR is very important and Ameren Missouri agrees it
- 19 should be the primary selection criterion, but it has
- 20 limitations and those limitations means it cannot dictate the
- 21 final decision without applying other considerations, which by
- 22 the way is exactly what the IRP rules say and how they say the
- 23 PVRR is to be used.
- 24 If you look at the company's filing and you look
- 25 at the planning process, you will see that the resource plans

- 1 that came through integration and were considered for plan
- 2 selection included the plan with lowest PVRR. That's the one
- 3 that included energy efficiency at the RAP level, Realistic
- 4 Achievable Potential. But RAP wasn't ultimately selected as the
- 5 preferred plan. And why is that?
- 6 Well, because as the IRP rules themselves
- 7 acknowledge, there are other factors, other considerations is
- 8 the language of the regulation, that must be considered when
- 9 selecting a preferred plan. If one looks at the policy
- 10 objective that is set forth in 4 CSR 240-22.010 (2) it says the
- objective is to provide the public with energy services that are
- safe, reliable and efficient at just and reasonable rates that
- 13 service the public interest.
- 14 In order to achieve that objection [sic], the
- 15 rule sets forth multiple steps that the utility must undertake
- as a part of its analysis. I want to focus on (2)(B) and
- 17 (2)(C). Now, (2)(B) requires the company to use the
- minimization of present worth of long-run utility cost, which
- we're all referring to as PVRR, as the primary selection
- 20 criterion.
- 21 The company identified five selection criteria;
- 22 PVRR, economic development, customer satisfaction or rates,
- 23 financial and regulatory and diversity of resources. PVRR was
- 24 given a weight of 30 percent. Economic development was given a
- 25 weight of 10 percent. And the remaining three criteria were

- given a weight of 20 percent each. Clearly PVRR was the primary
- 2 criterion.
- 3 And the plans that were left after applying
- 4 these selection criteria included that plan with the realistic
- 5 achievable potential energy efficiency that the other parties
- 6 have testified about in their written testimony.
- 7 So the next step is to move to (2)(C), which
- 8 requires the utility to explicitly identify other considerations
- 9 which are critical to meeting the fundamental objective of the
- 10 resource planning process, but which may constrain or limit the
- 11 minimization of the PVRR. And this is the step that other
- 12 parties ignore.
- 13 They want PVRR to be the controlling factor, but
- 14 the Commission's rules explicitly allow for other considerations
- 15 and the company identified three other considerations. The
- 16 company labeled them decision factors in the filing. These were
- 17 large plant financing, plant retirement and environmental, and
- 18 DSM cost recovery.
- The reality is that the company's current cost
- 20 recovery mechanism for its energy efficiency investment is
- insufficient because it doesn't address the throughput
- 22 disincentive. As a consequence, the other considerations
- 23 constrain the company's ability to choose RAP as part of its
- 24 preferred plan at this time. That is not to say that RAP can
- 25 never be a part of the company's preferred plan.

- In the future the company believes it can be a
- 2 part. And the company's recent history confirms that the
- 3 company is and has been committed to energy efficiency, spending
- 4 over \$70 million since 2009. And these programs were
- 5 successful. And in fact, they far exceeded our own goals for
- 6 kilowatts hours saved.
- 7 What's important to remember is that there's a
- 8 timeline that things happen and they don't happen
- 9 instantaneously. If I can work this -- we've put together a
- 10 timeline that shows when the MEEIA statute was passed, when the
- 11 rules were passed and when Ameren Missouri's filing was made.
- 12 You can see that the statute was passed back in
- 13 '09, became effective August 1st of '09. The proposed rules
- 14 were filed -- were filed in '10 and became effective on May 30th
- of '11. And the IRP was filed on February 23rd of '11.
- So until the company has had an opportunity to
- make a MEEIA filing -- which the company has filed its 60-day
- notice indicating that it may do so no sooner than 60-days from
- 19 when that notice was filed -- it cannot chose a resource plan
- 20 which doesn't allow it to recover the costs that will be
- 21 incurred.
- 22 So now, in our last rate case this commission
- 23 suggested the company file under MEEIA in order to resolve the
- 24 regulatory framework issues which hinder the investment in
- energy efficiency today. And as I said, Judge, we do intend to

- do so and we look forward to working with the Commission and the
- 2 stakeholders in this room so that we can once again move forward
- 3 in a positive direction with energy efficiency.
- 4 We're working on that filing and once it's
- 5 approved by the Commission, the interest of the customers and
- 6 the utility will be aligned. And that will allow the utility to
- 7 pursue all cost-effective energy efficiency. But remember the
- 8 timeline shows those rules hadn't been adopted before the filing
- 9 was made in February and obviously the company hasn't yet
- 10 received approval of its MEEIA filing.
- 11 Accordingly today, the preferred plan doesn't
- 12 yet reflect those developments. And this really just
- demonstrates what the company has said multiple times: Resource
- planning is a process, a continuing process and things change
- 15 and that change is the selection of preferred plan.
- 16 The filing itself that was made in February is
- 17 nothing more than a snapshot of that process at the time it was
- 18 filed. When changes occur they're reviewed by company
- management and a determination of whether the preferred resource
- 20 plan is still appropriate is made. If it is not, the company
- 21 will change its preferred plan.
- A Commission order on our MEEIA filing will
- 23 likely cause a change in how energy efficiency is valued as
- 24 compared to the value it was given at the time of the IRP
- 25 filing. But that's for the future and not for this initial IRP

- 1 filing.
- 2 So remember the case here, the commissioners are
- 3 to decide whether or not the company undertook the steps set
- 4 forth in its IRP rules. We believe we have done so and we have
- 5 brought to hearing today three witnesses who are happy to
- 6 discuss what inputs were used and why; how integration and plan
- 7 selection occurred and why; what PVRR results were reached and
- 8 how those results were constrained.
- 9 Ameren Missouri believes it has undertaken a
- 10 very robust planning process that more than complies with the
- 11 Commission's integrated resource planning rules and we believe
- 12 the Commission should issue an order that finds no deficiencies
- in the company's filing. Thank you.
- JUDGE WOODRUFF: Thank you.
- 15 Commissioner Kenney, did you have any questions?
- 16 COMMISSIONER KENNEY: No thank you.
- 17 JUDGE WOODRUFF: Okay. We'll move on to Staff
- 18 now.
- 19 MR. WILLIAMS: Thank you, Judge, Commission.
- 20 May it please the Commission. I am Nathan Williams and I am
- 21 representing the Staff before you here today.
- 22 As Ameren Missouri has stated the Commission
- 23 Rule 4 CSR 240-22.010 (2)(B) required Ameren Missouri to use
- 24 minimization of the present worth of long-run utility costs as a
- 25 primary selection criterion in choosing its preferred resource

- 1 plan that is the subject of this case. It's Staff's position
- 2 that Ameren Missouri did not do so.
- 3 In its order of rulemaking where it first
- 4 adopted this rule in 1993, the Commission said -- and this is
- 5 found in what's been marked for identification as Exhibit 1
- 6 at -- I believe it's Page 8, but it's in the section --
- JUDGE WOODRUFF: It can't be Exhibit 1 because
- 8 we've already had Exhibit 1.
- 9 MR. WILLIAMS: I'm sorry. Let me get the
- 10 exhibit list. It would have been Staff Exhibit 1. On the
- 11 exhibit list it's Exhibit No. 8.
- JUDGE WOODRUFF: Thank you.
- MR. WILLIAMS: It's in the section that the
- 14 Commission has identified as 4 CSR 240-22.010. And there the
- 15 Commission said -- the Commission adopts the two modifications
- in the proposed rules in response to various comments. It still
- 17 holds to the proposition that cost minimization should be a
- 18 primary importance in resource plan selection.
- 19 Among the comments to which the Commission
- directed this and other statements were those of Ameren
- 21 Missouri. Staff has provided -- or is asking the Commission to
- 22 take official -- or notice of Ameren Missouri's, then known as
- 23 Union Electric Company's, initial and reply comments in that
- rulemaking, which is Case No. EX-- or it's EX-92-299.
- 25 And those have been marked as Exhibits 9 and 10.

- 1 And it's also asking the Commission to take notice of the order
- of rulemaking in that case, which is what's been marked as
- 3 Exhibit 8.
- 4 In those initial comments, Ameren Missouri
- 5 argued that the term "primary" as used in the rule was ambiguous
- and should be replaced with the word initial. While the
- 7 Commission clarified in its order of rulemaking that primary
- 8 selection criterion meant of primary importance, it did not
- 9 elaborate further. That is why we are here before you today
- 10 from Staff's perspective.
- 11 Staff agrees that much of what Ameren Missouri
- did is exactly what it should have done under the rules and that
- it has done a robust resource planning process. However, Staff
- disagrees that in selecting its preferred plan that Ameren
- 15 Missouri has properly used PVRR as the primary selection
- 16 criteria. Basically Staff is saying it should have more weight
- 17 than what Ameren Missouri gave to it.
- And if you look at the rule, it talks about
- 19 there may be constraints or limits on the minimization of
- 20 present worth of expected utility costs, that is should not
- 21 necessarily be -- remain the primary selection criteria.
- 22 Those criteria should be -- other criteria or
- 23 considerations should be related to the fundamental purpose --
- fundamental objective of the resource planning process, which is
- 25 safety, reliability, efficiency, just and reasonable rates.

- 1 From Staff's perspective that's the main issue in this case and
- 2 we're really looking for guidance from the Commission as to what
- 3 primary selection criteria -- criterion is as used in the rule.
- 4 JUDGE WOODRUFF: Thank you. Now, the exhibits
- 5 that you marked as 8, 9 and 10, did you wish to offer them into
- 6 evidence or --
- 7 MR. WILLIAMS: Yes. I'll offer those at this --
- 8 well, what I'm asking is if you can take notice of them. I
- 9 mean, that's its own files. And the exhibits are copies of what
- 10 are in those files.
- 11 JUDGE WOODRUFF: Since we have the documents
- here, I'll take that as an offer and see if anybody has an
- 13 objection to it.
- 14 MS. TATRO: Could you say which one is which
- 15 number?
- JUDGE WOODRUFF: 8 was the order of rulemaking
- from 1992, 9 was UE's initial comments and 10 was Union
- 18 Electric's reply comments.
- MS. TATRO: No objection.
- JUDGE WOODRUFF: Hearing no objection, then they
- 21 will be received.
- 22 (Wherein; Staff Exhibit Nos. 8, 9 and 10 were
- 23 received into evidence.)
- JUDGE WOODRUFF: Commissioner Kenney, did you
- have any questions for Mr. Williams?

- 1 COMMISSIONER KENNEY: Just one.
- 2 Good morning, Mr. Williams.
- MR. WILLIAMS: Good morning.
- 4 COMMISSIONER KENNEY: So if I'm hearing you
- 5 correctly, the fundamental disagreement that Staff has was how
- 6 much weight to give to the PVRR?
- 7 MR. WILLIAMS: Yes.
- 8 COMMISSIONER KENNEY: And that's it.
- 9 MR. WILLIAMS: It's not the only, but that is
- 10 the primary issue in the case from Staff's prospective.
- 11 COMMISSIONER KENNEY: Is it Staff's opinion that
- that issue will either be resolved or change under the new
- 13 Chapter 22 rules?
- 14 MR. WILLIAMS: I believe it's Staff's position
- 15 that it will still be an issue under the new version of the
- 16 rules.
- 17 COMMISSIONER KENNEY: Okay. Thank you.
- JUDGE WOODRUFF: Thank you.
- Then opening for NRDC?
- MR. ROBERTSON: Thank you, Judge. May it please
- 21 the Commission. There's no dispute in this case that Ameren did
- 22 not take the case with the lowest PVRR. Ameren says that they
- 23 can analyze other considerations and that's true. They can
- 24 quantitatively analyze them until their hearts content. They
- 25 can propose trade offs and balances and perhaps propose that

- they cannot minimize PVRR to the extent it might first appear,
- 2 but they cannot simply dispense with the primary criterion under
- 3 the rule.
- 4 We also find that Ameren has not adequately
- 5 analyzed the supply-side resources, in particular the cost of
- 6 continuing to operate their coal fleet. They've not adequately
- 7 considered the capital costs of doing so, the operating costs
- 8 and the high capacity factors they assigned to an ancient coal
- 9 plant like Meramec.
- 10 Ameren admits it expects environmental costs to
- 11 rise and yet they then set them inside and pretend that they
- 12 won't change at all. Ameren has not accounted for trends in
- coal prices and natural gas prices and the high natural gas
- prices that they use bias their plan against the cost -- in
- favor of the cost effectiveness of coal.
- Ameren has not fulfilled the policy objective of
- equally treating supply-side and demand-side resources because
- they only considered demand-side when they see a capacity gap.
- 19 They don't let demand-side and supply-side resources compete on
- 20 cost.
- 21 In short, Ameren has manipulated the rule and
- 22 its analysis under the rule in order to reach a preconceived
- 23 result. They should take the plan -- the right plant and then
- 24 make their MEEIA filing. They should not assume, as they have
- done, that they are not going to get fair treatment under MEEIA.

- 1 The Commission's primary mission is to protect
- 2 the public interest, the interest of the consuming public.
- 3 Resource planning serves that interest and the Commission does
- 4 not take over the management of a company when it tells a
- 5 utility that the public interest is paramount. Thank you.
- Now, I have exhibits, too, that we're
- 7 stipulating into evidence. And I can enter them now or wait
- 8 until after opening statements. I don't know how you want to do
- 9 that.
- 10 JUDGE WOODRUFF: Does -- you don't have any
- 11 witnesses that are actually going to appear?
- 12 MR. ROBERTSON: I have no witnesses that are
- 13 going to appear.
- 14 JUDGE WOODRUFF: All right. Go ahead and offer
- 15 your exhibits.
- MR. WOODRUFF: Okay.
- JUDGE WOODRUFF: And tell me what they are.
- MR. ROBERTSON: We have Exhibit 28, which is the
- 19 rebuttal testimony of Phillip Mosenthal. Exhibit 29 is the
- 20 rebuttal testimony of David Schlissel and that document is HC.
- 21 Exhibit 30 is the resume of David Schlissel accompanying his
- 22 rebuttal testimony. Exhibit 31 is the comments of NRDC, Sierra
- 23 Club, Renew Missouri, Mid-Missouri Peaceworks and Great Rivers
- 24 Environmental Law Center. That document is HC.
- I have a document that did not get marked. I

- 1 have to get that marked.
- 2 Exhibit 32, also HC, is our reply to Ameren's
- 3 response to comments. That is HC. Exhibit 33 is an attachment
- 4 to our reply. It's a presentation by the Brattle Group entitled
- 5 Potential Coal Plant Retirements Under Emerging Environmental
- 6 Regulations. And Exhibit 34 is a list of coal plant
- 7 retirements, which is attached to our reply.
- 8 And if I may, I'll get this other document
- 9 marked.
- 10 JUDGE WOODRUFF: Go ahead.
- 11 (Wherein; NRDC Exhibit No. 35 was marked for
- 12 identification.)
- 13 MR. ROBERTSON: Exhibit 35 is NRDC Attachment 1,
- 14 which was filed with our original comments. And that's all I
- 15 have.
- JUDGE WOODRUFF: Okay. Then what we've got here
- 17 is 28, which is Mosenthal's rebuttal, 29HC is Schlissel
- rebuttal, 30 was resume of Schlissel, 31HC is the comments of
- 19 NRDC, 32HC is reply to Ameren's response to comments, 33 was an
- 20 attachments to that reply, 34 was the coal plant retirement
- 21 list, and 35 was Attachment 1 to the original comments.
- MR. ROBERTSON: Correct.
- JUDGE WOODRUFF: All right. Those documents
- have been offered into evidence. Are there any objections to
- 25 their receipt?

- 1 Hearing none, they will be received.
- 2 (Wherein; NRDC Exhibit Nos. 28, 29HC, 30, 31HC,
- 3 32HC, 33, 34 and 35 were received into evidence.)
- 4 JUDGE WOODRUFF: And Commissioner Kenney, do you
- 5 have any questions?
- 6 COMMISSIONER KENNEY: Same question,
- 7 Mr. Robertson, do you take exception with any other -- well, you
- 8 already talked about the fact that they didn't take into account
- 9 coal plant operating expenses, but how about the use of the PVRR
- 10 as the primary criterion. Is it more a debate about weight
- 11 given to it?
- 12 MR. ROBERTSON: I'm not really sure that the
- best way to approach is in percentage terms, that it have a 50,
- 14 plus 1 percent. That is one way to look at it, though. I don't
- 15 know how else you can give it the primacy that the rule assigns
- 16 it.
- 17 COMMISSIONER KENNEY: Well, I think Ms. Tatro
- said they gave it a 30 percent and then 10 percent to economic
- development and then 20 percent each to the three additional
- 20 criteria.
- MR. ROBERTSON: Well, as we analyze it, they
- 22 gave PVRR 25 percent and non-cost factors the other -- other 75
- 23 percent. And so we do not consider that as giving it the
- 24 primacy that's required.
- 25 COMMISSIONER KENNEY: Okay. Thank you.

- 1 MR. ROBERTSON: Thank you.
- JUDGE WOODRUFF: Then for Missouri Department of
- 3 Natural Resources?
- 4 MS. FRAZIER: Thank you. Good morning. May it
- 5 please the Commission. The Department of Natural Resources'
- 6 involvement in the utility resource planning process at the
- 7 Commission is driven by its interest in making the IRP process a
- 8 more meaningful planning process for utilities to use as the
- 9 core of their ongoing business planning process and not just as
- 10 an exercise every three years.
- 11 The IRP process can be meaningful and result in
- an appropriate analysis and selection of an optimal preferred
- 13 resource plan. Unfortunately the process Ameren Missouri
- 14 conducted in developing its integrated resource plan in this
- 15 case has fallen far short of compliance with the Commission's
- 16 regulations and resulted in selection of a plan that fails to
- adequately consider energy efficiency and renewable energy
- 18 resources.
- 19 It is the Department's position that with its
- 20 2011 IRP filing, Ameren Missouri has jeopardized the integrity
- of the planning process. The Department has filed extensive
- 22 testimony documenting deficiencies with Ameren's planning
- 23 process as well as numerous concerns as have other parties in
- 24 this docket.
- 25 Most notably, the Department contends that

- 1 Ameren created a new concept, decision factors, outside the
- 2 context of any rule or waiver provision and used those factors
- 3 to drive a selection of a preferred plan that did not include
- 4 lower cost in PVRR, net Present Value Resource Revenue plan and
- 5 to exclude any meaningful level of DSM.
- 6 Ameren chose not to remedy or mitigate these and
- 7 other deficiencies identified by the parties. In his testimony
- 8 one Ameren witness says that in a planning process the Company
- 9 assumptions must meet a threshold of creditability. However,
- Ameren's plan does not meet this threshold in many respects.
- 11 Ameren's selection of its preferred resource
- 12 plan is driven by the assumption that it will not receive any
- 13 cost recovery treatment under MEEIA. It used DSM cost recovery
- in an all or nothing approach and assumed it would recover
- 15 nothing unless proven otherwise or until proven otherwise next
- 16 year, and thereby avoided any meaningful contingency planning
- 17 analysis.
- Based upon our testimony, the Department's
- 19 position is that the Commission has no choice but to find
- 20 Ameren's planning process is not in compliance with the
- 21 Commission's resource planning rules and the Department requests
- that the Commission make this finding.
- 23 We look forward to Ameren's MEEIA filing next
- 24 year so that we can all move forward and start realizing the
- 25 economic and environmental benefits of energy efficiency savings

- 1 for Ameren's customers in the state of Missouri. Thank you.
- JUDGE WOODRUFF: Commissioner Kenney, any
- 3 questions?
- 4 COMMISSIONER KENNEY: No questions. Thank you.
- 5 JUDGE WOODRUFF: All right. Opening for Public
- 6 Counsel?
- 7 MR. MILLS: Good morning. May it please the
- 8 Commission. First I need to just -- sort of as a perception, I
- 9 think that the Commission should not be fooled by the waiver of
- 10 cross-examination of the out of town witnesses into thinking
- 11 that the parties are taking this case lightly. Certainly,
- 12 public Counsel is not. I think the fact that you see all these
- 13 people here indicates that none of the other parties are either.
- 14 This is an important case. This is a critical case that will
- 15 have long-lasting repercussions.
- 16 Every day that goes by when Ameren fails to
- 17 offer cost effective DSM programs, means more lower efficiency
- 18 furnaces are installed, more lower efficiency refrigerators are
- 19 purchased, et cetera. These choices, which this commission
- should be influencing, will have impacts for decades.
- 21 Similarly, every day that goes by when Ameren
- 22 fails to realistically evaluate wind energy and fails to invest
- in cost effective wind energy, means more pollutants are emitted
- 24 and higher energy costs. Again, these choices will have impacts
- 25 for decades.

1 And also, the Commission should not let the fact 2 that this is probably the last IRP to be processed under the old 3 rule, keep the Commission from doing what needs to be done in this case. The new Chapter 2 rules certainly makes some 5 improvements over the old rules, but with respect to the central 6 issues in this case, there is not that much difference. 7 And as Mr. Williams pointed out, and as 8 Commissioner Kenney has asked about, the central issue in this 9 case is whether Ameren can comply with the IRP rules by selecting a plan that allows shareholder profits to be a more 10 11 important criteria than minimizing the present value of revenue 12 requirement. 13 Certainly there is not a requirement that a 14 utility pick mathematically the lowest PVRR plan, but the 15 requirement in the rule and the whole point of the rule is to 16 drive the utility towards the -- the lowest cost PVRR that's 17 consistent with other uncertain factors. UE did not do so in 18 this case. 19 I think there's some reasons to be optimistic 20 that -- that perhaps this case will go better for those of us 21 who are arguing for compliance with the IRP rules than some of 22 the cases have in the past. First of all, we have reason to 23 believe that unlike the last case, the Commission is proceeding down a path that makes it more likely that the Commission will 24

find that Ameren did not comply with the IRP rules, order the

25

- 1 company to rerun the IRP and chose a plan that's consistent with
- 2 the policy objectives in 22.010 (2) and especially
- 3 22.010 (2) (B).
- 4 And that reason can be found in the fact that we
- 5 are here in an evidentiary hearing. This is -- for those of us
- 6 who have a long history with the Commission's IRP rules, this is
- 7 notable because this is the first evidentiary hearing that the
- 8 Commission's ever held in the context of an IRP planning
- 9 process.
- 10 In the -- in the order regarding Ameren's last
- 11 IRP process in Case No. EO-2007-0409, the Commission essentially
- 12 found that UE did not comply with the planning rules in many
- 13 respects, but did not order the filing of a new plan. And I
- 14 think what is most notable about the decision in EO-2007-0409 is
- 15 in fact the dissenting opinion. And the descent was issued in
- 16 that case by -- by then Chairman Clayton and then Commissioner
- 17 Gunn.
- And they recognized the implications of the
- integrated resource planning process and they stated in that
- descent that the purpose of the IRP rule was to ensure that the
- 21 company carefully considers decisions well in advance. It goes
- 22 on to say that the parties spent countless hours reviewing
- 23 Ameren's IRP filing and found it to be deficient.
- 24 But they go on and they conclude by saying that
- 25 the dissenting commissioners would require Ameren UE to correct

- 1 the deficiencies in its IRP now -- at that point in time --
- 2 rather than allow the company until its next IRP filing to get
- 3 it right. And they also en-- they also dissented from the fact
- 4 that the Commission declined to hold an evidentiary hearing to
- 5 make findings on which to base such an order.
- 6 So we certainly have moved a step forward in
- 7 this case. We are having an evidentiary hearing. The
- 8 Commission will have evidence on which it can make a finding
- 9 that Ameren failed to comply with the IRP planning rules and
- order Ameren to comply.
- 11 Now, as I said the -- the central issue in this
- 12 case, and it's certainly not the only issue -- but the central
- issue in this case is whether Ameren can comply with the rules
- 14 by disregarding the present value of revenue requirement in
- 15 favor of other factors. And to more explicitly answer
- 16 Commissioner Kenney's question that he posed to a couple of
- other attorneys this morning, there certainly are a lot of other
- issues.
- 19 We've got serious issues with the way that wind
- 20 was modeled. We have serious issues with the way that the
- 21 critical uncertain factors were treated under the rules. But at
- 22 the end of the day, if Ameren is free to essentially disregard
- 23 all the results and all of the analysis that occurs in the plan
- 24 and chose a plan based on factors that were not analyzed in the
- 25 way that the rule requires them to be analyzed, then whether or

- 1 not they complied with these intermediate steps is really not
- 2 nearly as important as whether they're required to comply with
- 3 the final step, which is the question of picking a plan.
- 4 And so we -- and I won't go through all of them
- 5 here, but you know, in addition to the central issue Public
- 6 Counsel has provided testimony and reports identifying eight
- 7 deficiencies in the IRP planning process and the other parties,
- 8 of course, have identified many more.
- 9 With respect to the opening statement of Ameren
- 10 this morning, I do have to correct one particular point, which
- is the point that none of the parties have stated that UE
- 12 skipped a step. In fact one of our deficiencies we pointed out
- is the UE did in fact skip a step and that it failed to analyze
- 14 probable environmental costs as a critical uncertain factor,
- which is a step required by 22.070 (2)(C). And that step was
- 16 not done at all.
- 17 And finally, and this goes to the central issue
- in the case. I think Ms. Tatro said that the other parties take
- 19 the position that the Company would have no choice but to adopt
- 20 the plan that comes up with the lowest possible PVRR, and that's
- 21 simply not the case. The rules allow a utility some discretion
- 22 to vary from PVRR as they should because there are other factors
- 23 that should be considered. But they don't allow the utility as
- 24 much discretion as they've attempt to exercise in this case in
- which they've essentially ignored PVRR in favor of other

- 1 factors. Thank you.
- JUDGE WOODRUFF: Commissioner Kenney, any
- 3 questions?
- 4 COMMISSIONER KENNEY: No. Mr. Mills anticipated
- 5 by questions and he answered those. I thank you.
- 6 MR. MILLS: Thank you.
- JUDGE WOODRUFF: Thank you. I believe that will
- 8 be all of the opening statements.
- And we're ready to move on to our first witness,
- 10 which I believe is Mr. Wood.
- 11 (Witness sworn.)
- 12 WARREN WOOD testifies as follows:
- 13 DIRECT EXAMINATION BY MR. BYRNE:
- Q. Good afternoon, Mr. Wood.
- A. Good morning.
- Q. Would you please state your name for the record.
- 17 A. Warren Wood.
- 18 Q. And by whom are you employed, Mr. Wood?
- 19 A. Ameren Missouri.
- Q. And in what capacity?
- 21 A. Vice President of legislative and regulatory
- 22 affairs.
- 23 Q. And what is your business address?
- 24 A. 1901 Chouteau Avenue, St. Louis, Missouri.
- 25 Q. And are you the same Warren Wood that has caused

- 1 to be filed in this proceeding surrebuttal testimony that has
- been marked as Company Exhibit 3?
- A. Revised surrebuttal testimony?
- 4 Q. Yes.
- 5 A. Yes.
- Q. And do you have any corrections to that revised
- 7 surrebuttal testimony?
- 8 A. I do not.
- 9 Q. Okay. And is the information contained in that
- 10 revised surrebuttal testimony true and correct to the best of
- 11 your knowledge and belief?
- 12 A. It is.
- 13 Q. And if I were to ask you the questions contained
- in that prefiled testimony here today when you're under oath,
- would your answers be the same?
- 16 A. They would.
- 17 MR. BYRNE: Okay. Your Honor, I would offer
- into evidence Exhibit 3 and tender Mr. Wood for
- 19 cross-examination.
- JUDGE WOODRUFF: Exhibit 3 has been offered.
- 21 Any objections to its receipt?
- Hearing none, it will be received.
- 23 (Wherein; Company Exhibit No. 3 was received
- 24 into evidence.)
- JUDGE WOODRUFF: Cross, we begin with Staff.

- 1 MR. WILLIAMS: Judge, do you want us to use the
- 2 podium or --
- JUDGE WOODRUFF: As you prefer.
- 4 CROSS-EXAMINATION BY MR. WILLIAMS:
- 5 Q. Good morning, Mr. Wood.
- 6 A. Good morning.
- 7 Q. I believe you were my witness probably the last
- 8 time when you were on the stand.
- 9 A. I think you may be -- I think you may be right.
- 10 Q. In your testimony you state you were employed at
- 11 the Missouri Public Service Commission as the Natural Gas
- Department manager, then the Energy Department manager, and then
- 13 the Utility Operations Division director before you left the
- 14 Commission. When were you promoted to be the Natural Gas
- 15 Department manager?
- 16 A. That was a new hire. I have been -- I
- 17 previously had been at the Commission in the Natural Gas
- Department, ended up leaving the Commission, moving and coming
- 19 back later.
- Q. When was it that you left the Commission and
- 21 then when did you return? You don't have to be precise, but I
- 22 want to get kind of an idea. Were you gone a year? Two years?
- 23 A. I believe it was two to three years, but that's
- 24 a guess. I'm not that good at remembering those timelines
- 25 without getting it out and looking at the calendar.

- 1 Q. And that would have been around what year?
- 2 A. In the mid-'90s.
- Q. And then when were you promoted to Energy
- 4 Department manager?
- 5 A. I don't remember. I've been in Natural Gas
- 6 Department for a short number of years. I don't remember the
- 7 exact number. And then I was Energy Department manager for a
- 8 couple of years and then the Utility Operations Division
- 9 director after that for a period of time.
- 10 Q. You anticipated by next question. Do you know
- 11 when in 2010 you began working for Ameren Missouri?
- 12 A. October of last year.
- 13 Q. And you describe that you oversee state
- 14 legislative regulatory -- and regulatory policy development and
- 15 compliance for the company. What is it that you do in
- 16 particular?
- 17 A. On the legislative side we monitor filing of
- bills, the different impacts of those bills on the company,
- 19 provide comments and testimony in House and Senate hearings on
- 20 that legislation. Sometimes we're in the drafting of
- 21 legislation for consideration by the General Assembly.
- 22 And on the regulatory side I'm working with
- 23 Ameren Missouri and Ameren corporate people in the development
- 24 and compliance filings to meet regulatory requirements at the
- 25 state level, not necessarily -- I'm not involved much at the

- 1 federal level.
- 2 Q. Would that include rate cases or more items like
- 3 this case?
- 4 A. I have some involvement in the rate cases as
- 5 well.
- 6 O. And what would be the nature of that
- 7 involvement?
- 8 A. Well, I would be looking at the -- at the
- 9 different issues being considered in the case, potential
- 10 witnesses, positions taken, you know, different -- as
- 11 negotiations go on in different aspects of the filing, you know,
- 12 what changes would be acceptable to see if we can settle issues.
- 13 And then development of different issues to be heard, you know,
- in the hearings with -- obviously with advice of counsel working
- with attorneys.
- Q. Would that role include testifying or is it more
- of a managerial --
- 18 A. It could in-- it could include testifying in the
- 19 future, although I didn't testify in the last rate case.
- Q. Are you a member of Ameren Missouri's leadership
- 21 team?
- 22 A. I am.
- 23 Q. Who are the members of that leadership team?
- 24 A. You mean the senior leadership team?
- 25 Q. Yes.

- 1 A. It would -- well, we have -- I mean, it's a list
- of people. It's -- you know we have our operations vice
- 3 president. We have communications. We have, you know, the
- 4 regulatory people, myself. I mean, do you want me to try to go
- 5 through those names? I won't hit everybody.
- Q. Well, how many people are we talking about?
- 7 A. Just about -- without going through the names, I
- 8 mean, 10 to 12.
- 9 Q. Why don't you just list what you can think
- 10 about.
- 11 A. Okay. If I could take a minute to --
- 12 Q. Sure.
- 13 A. -- think through that. Okay.
- 14 Some of the immediate, you know Warner Baxter,
- obviously, president. Adam Heflin, our chief nuclear officer.
- 16 Marty Lyons, Richard Mark, you know, Chuck Naslund, Dave
- 17 Wakeman. Those are some of the people that jumped into mind
- 18 right away. There's probably some others I haven't hit.
- 19 Just -- you know, I haven't looked at the chart today, sorry.
- Q. Sounds a bit short of 10 to 12, but if that's
- 21 what you recall, that's what you recall,
- 22 A. Yeah. I don't recall right away.
- 23 Q. Were you responsible for -- as a -- let's see --
- 24 in overseeing regulatory policy development and compliance, were
- 25 you involved in this -- the development of Ameren Missouri's

- 1 integrated resource planning under Chapter 22 that's the subject
- 2 of this case?
- 3 A. Well, as that filing started about 18 months
- ago, I haven't been with the company during that time period
- 5 when that initiated. I did participate in the three Ameren
- 6 Missouri management meetings where in -- you know, one meeting
- 7 in late October, two in November last year where we went through
- 8 the -- the candidate resource plans, the decision criteria, the
- 9 decision factors, policy objectives, weighting, scorecard, and
- 10 the development of selection of the preferred resource plan and
- 11 five contingencies.
- 12 Q. Well, who determined the weighting of the
- 13 factors?
- 14 A. That was -- as I recall the scorecards that --
- 15 initially, there was like minimization of PVRR had a 25 percent.
- 16 That was changed to 30 percent. There was some discussion on
- 17 the different scoring in those meetings a little over a year ago
- and I don't recall if there were changes at that time.
- 19 Q. Well, aren't there -- wasn't the scorecard used
- at two different points; one to screen initial programs and then
- later for making the decision of the preferred plan?
- 22 A. Well, yes. They were looked at by the
- 23 management team in assessing the different -- you have 14
- 24 candidate resource plans and you looked at the different
- 25 weighting of the different decision criteria and then after you

- 1 had looked through those different scorings, you would then
- 2 looked at the decision factors or maybe -- you know, it's the
- 3 same thing as the other considerations under the rule.
- 4 Q. And when was the -- before selecting the
- 5 preferred plan, when was the -- when were the criteria selected
- and when was the weighting for each criteria determined?
- 7 A. I do not recall. I suppose Mr. Michaels would
- 8 know that exactly.
- 9 Q. Well, rather than tying it to a specific date,
- when did it occur relative to whenever the preferred plan was
- 11 selected? Are we talking days? Months?
- 12 A. I don't know the answer to your question.
- 13 Q. Were you involved in the development of the
- 14 Commission's Chapter 22 rules that are at play in this case or
- 15 the ones that Ameren Missouri filed under? They have been
- fairly recently been revised, but I'm talking about the ones
- 17 that were in effect in --
- 18 A. This is '92?
- 19 Q. '92, '93.
- 20 A. I -- I don't recall being involved in that
- 21 rulemaking.
- 22 Q. Did you have any involvement in the development
- 23 or passage of the Missouri Energy Efficiency Investment Act?
- 24 A. Yes. I was at the Capitol when the Missouri
- 25 Energy Efficiency Act was being debated and eventually passed by

- 1 the General Assembly.
- Q. Well, you said you were there. I was asking if
- 3 you had involvement. Was your involvement just to be present or
- 4 were you lobbying or --
- 5 A. I was --
- 6 Q. -- what were you doing?
- 7 A. As the president of the Missouri Energy
- 8 Development Association at the time, I certainly had an interest
- 9 in and was working on that legislation.
- 10 Q. So you were lobbying?
- 11 A. Yes.
- 12 Q. Under Missouri Energy Efficiency Investment Act
- does Ameren Missouri have any obligations?
- 14 A. I'm not exactly sure how to answer your
- 15 question. When you look at the obligations under 393.1075.3 it
- lays out objectives of demand-side and supply-side resources
- 17 equivalent basis and then it has a number of -- you know, it
- says the Commission shall and then there's a list of three
- 19 things.
- 20 You know, if -- if the Commission has done those
- 21 things, I think there is an expectation that, you know, if a
- 22 MEEIA filing is approved that the utility would seek
- implementation of all cost effective demand-side energy savings.
- 24 That's the goal in 393.1075.4 as I recall.
- 25 Q. I think you testified that in your view that it

- 1 could have some obligations depending on what occurs. Are you
- 2 aware of any other obligations Ameren Missouri might have under
- 3 Missouri Energy Efficiency Investment Act?
- 4 A. Well, there are some obligations. If an
- 5 industrial says that they wish to opt out, there's some other
- 6 requirements in there on tracking that and I believe if
- 7 somebody -- and there was a provision I'd put in regarding if
- 8 somebody had previously received some sort of another -- and I
- 9 forget the exact detail. I can pull the piece up if you want to
- see that, but there is a commitment there as well for us to
- 11 track.
- 12 Q. Anything else you can think of offhand?
- 13 A. Not without reading through the statute right
- 14 now, no.
- 15 Q. Has Ameren Missouri taken any actions that are
- 16 inconsistent with if it had chosen realistically achievable
- 17 potential demand-side management as its preferred plan other
- 18 than not choosing -- I'll use the shorthand -- RAP DSM as its
- 19 preferred plan?
- 20 A. Repeat the question. I missed the first part.
- 21 Q. Other than not selecting realistically
- 22 achievable potential demand-side management as its preferred
- 23 plan, what actions, if any, has Ameren Missouri taken that are
- 24 inconsistent with if it had made that -- had chosen that as its
- 25 preferred plan?

- 1 MR. BYRNE: I'm going to have to object to the
- 2 question. It assumes facts not in evidence. It assumes that
- 3 our selection was inconsistent with the statute, which it's not.
- 4 JUDGE WOODRUFF: Your response?
- 5 MR. WILLIAMS: No. It's purely a hypothetical,
- 6 asking had Ameren Missouri selected realistically achievable
- 7 potential demand-side management as its pr-- has it taken any
- 8 steps that are inconsistent with if it had chosen realistically
- 9 achievable potential demand-side management as its preferred
- 10 plan?
- 11 JUDGE WOODRUFF: I don't think that question
- 12 assumes anything. It's not that the company has necessarily
- done anything wrong. As I understand it, it's asking did you do
- 14 anything different than if you had chosen RAP; is that --
- 15 MR. WILLIAMS: That's essentially what the
- 16 question is driving at, yes.
- MR. BYRNE: Okay. As clarified, that's -- I
- 18 withdraw my objection.
- 19 JUDGE WOODRUFF: Okay. You can answer the
- 20 question.
- 21 THE WITNESS: I'm trying to understand the
- 22 question first and then I understand I need to answer it.
- 23 Explain to me what you're asking. I'm having a
- 24 hard time following what you want me to answer.
- 25 BY MR. WILLIAMS:

- 1 Q. Okay. Ameren Missouri has not chosen
- 2 realistically achievable potential demand-side management that
- 3 it screened as its preferred plan.
- 4 A. It --
- 5 Q. What I'm asking is --
- A. It was two contingencies, but not the preferred
- 7 resource plan. Right.
- 8 Q. Right. As its preferred resource plan.
- 9 A. Right.
- 10 Q. My question is: Has it -- has Ameren Missouri
- 11 done -- taken any actions that would be inconsistent with it
- having had chosen RAP DSM as its preferred plan?
- 13 A. As I understand the question, I don't believe
- 14 so.
- Q. Well, do you want to -- go ahead and state your
- 16 understanding of the question. I'm not trying to confuse
- anybody.
- 18 A. Okay. Well, as I understand your question is
- other than not choosing RAP DSM, are we inconsistent with the
- 20 MEEIA statute in some other regard.
- Q. No. That's not my question.
- 22 A. Okay.
- 23 Q. It's not about the MEEIA statute.
- 24 A. Okay.
- Q. What I'm asking is Ameren Missouri has not

- 1 selected realistically achievable potential demand-side
- 2 management as its preferred plan.
- 3 A. Correct.
- 4 Q. Has it taken any actions inconsistent with
- 5 having chosen realistically achievable potential demand-side
- 6 management as its preferred plan?
- 7 A. Only to the degree that you would view pursuing
- 8 the energy efficiency levels in 2009, '10 and '11 as -- as
- 9 pursuing significant energy efficiency savings. You know, in
- 10 2009 we spent about \$13.6 million, in 2010 about 23.3 and in
- 11 2011 an estimate of about \$33 million. So those were
- 12 significant investments in pursuit of cost effective demand-side
- 13 energy savings and then reducing those expenditures in light of
- some of the issues in discussion today.
- 15 I don't consider that inconsistent with that,
- but you know, to the degree that it's relevant to your question,
- 17 I would point that out.
- 18 Q. Is that the only thing you're aware of that you
- 19 would point out as somebody might assert was an inconsistency?
- 20 A. That's the only thing that strikes me.
- Q. And Ameren Missouri has publicly stated now that
- 22 it will be making a Missouri Energy Efficiency Investment Act
- 23 filing -- rule filing in, I think, the first quarter of this
- year -- this coming year. Correct?
- 25 A. We are -- we consider the timely development of

- 1 a thorough and accurate MEEIA filing a high priority right now
- 2 and we're doing what we can to accelerate that filing as much as
- 3 possible.
- 4 Q. Does that mean you don't have a timeline in mind
- 5 for when that filing might be made?
- 6 A. Our internal target is the first full week of
- 7 January. We're doing a number of things to try to develop that
- 8 filing as quickly as possible. It is not a complete filing.
- 9 There's still a fair amount of work to be done, internal reviews
- 10 and approvals, et cetera.
- 11 But we are trying to complete that filing in the
- 12 first full week of January but with the caveat, I wouldn't see
- 13 that as a commitment. We're trying to get it to that date.
- 14 We'll see if we can make that happen.
- 15 Q. And I'm not asking you to make a commitment, but
- when you say completed filing are you talking about internally
- or are you talking about actually filing?
- A. Actually filing.
- MR. WILLIAMS: No further questions at this
- 20 time.
- JUDGE WOODRUFF: All right. Questions from
- 22 NRDC?
- 23 MR. FISK: Yes. Thank you. Thank you, Your
- Honor.
- 25 CROSS-EXAMINATION BY MR. FISK:

- 1 Q. Good morning, Mr. Wood.
- 2 A. Good morning.
- 3 Q. How are you doing today?
- 4 A. Fine.
- 5 Q. Good. I had a few questions for you today. And
- 6 I guess first, do you have a copy of your testimony in front of
- 7 you?
- 8 A. I do.
- 9 Q. Okay. Great.
- 10 A. The revised surrebuttal?
- 11 Q. Yes.
- 12 A. Yes. I have it.
- 13 Q. Great. If you could turn to Page 8.
- A. I'm there.
- 15 Q. All right. And Lines 13 to 14 you reference --
- 16 you reference Ameren having incurred tens of millions of dollars
- in lost fixed cost recoveries?
- 18 A. Yes.
- 19 Q. Okay. And that is with regards to DSM projects
- that have already been carried out by Ameren?
- 21 A. Specifically associated with the Energy
- 22 Efficiency programs 2009 through 2011 with a total investment
- 23 level of about \$70 million.
- Q. And do you have a specific figure as to how much
- 25 has been incurred in lost revenues?

- 1 A. Yes. And estimate of 2009 to 2011, \$24.8
- 2 million; 2012, \$20.3 million; 2013, \$7 million; 2014, \$600,000.
- 3 And that's calculated assuming rate cases on a 15-month cycle
- 4 starting in September of 2010. To the degree of frequency of
- 5 rate cases is less frequent than that, the loss revenues would
- 6 be higher.
- 7 Q. Okay. And has Ameren calculated the amount of
- 8 lost revenues assuming there are no RAP scenario pursued?
- 9 A. If -- if there -- to answer your question maybe
- 10 one of the other witnesses have. I have not. I think -- is
- 11 this under the assumption that a MEEIA filing is approved by the
- 12 Commission?
- 13 Q. Under the assumption that RAP had been included
- in this IR-- selected in this IRP --
- 15 A. I --
- 16 Q. -- without the MEEIA filing.
- 17 A. I don't have information to answer that
- 18 question.
- 19 Q. Okay. And if you turn to -- do have the IRP in
- 20 front of you?
- 21 A. The integrated resource plan?
- 22 Q. Yes.
- 23 A. No. I do not. Could somebody provide that for
- 24 me? I didn't -- I was afraid I'd strain my back bringing it up
- 25 here. Okay. Thanks.

- 1 Q. Okay. If you turn to Chapter 10, Appendix B.
- 2 A. Okay. What page? Appendix -- what's the page
- 3 number on that?
- Q. It's Page 1 of Appendix B to Chapter 10. It's
- 5 towards the back.
- 6 A. Towards the back. Okay. Appendix D?
- 7 Q. B, like boy.
- 8 A. B. Okay. Appendix B. I am looking at Appendix
- 9 B. What page of Appendix B?
- 10 Q. The first page.
- 11 A. This has the Chapter 10, Appendix B candidate
- 12 resource plan dashboard?
- 13 O. Yes.
- A. Okay. I'm on that.
- 15 Q. And this on Page 1 here, this is one of the
- scenarios that assumes the low risk DSM approach; is that
- 17 correct?
- 18 A. Yes. This is the -- under one of the low risk
- 19 DSM portfolio. Yes.
- Q. And if you turn to Page 5 of Appendix B.
- 21 A. Page 5?
- 22 Q. Yes.
- 23 A. Okay. Let me get there. Just a minute. I need
- 24 to -- I need to get glasses. These bifocals -- I can't see it.
- Okay. Yes. I'm there.

- 1 Q. Okay. And is that -- the plan reflected on Page
- 5, is that the same resource plan except for that it assumes RAP
- 3 rather than low risk DSM?
- 4 A. Yes.
- 5 Q. Okay. And if you compare the PVRRs for the plan
- on Page 1 and the plan on Page 5, what -- what is approximately
- 7 the difference?
- 8 A. The PVRR 2011 through 2039 for the RAP is at
- 9 59.66 billion and the PVRR under DSM portfolio low risk is 61
- 10 million 259.
- 11 Q. Okay. And would that be a difference of
- 12 approximately \$1.6 billion?
- 13 A. 1 -- it looks like about the math, about 1.6 out
- of \$60 billion. Yeah.
- 15 Q. Okay. And would that be -- that \$1.6 billion
- difference would be attributable to pursuing RAP rather than low
- 17 risk DSM?
- 18 A. Well, there's also a difference on a combined
- 19 cycle unit in that calculation as well.
- Q. In which -- which scenario?
- 21 A. Page 1 -- Pages 1 versus Page 5.
- 22 Q. Okay.
- 23 A. The Page 1 has the combined cycle in 2029 as
- 24 well.
- Q. And that combined cycle would be needed

- 1 because -- or would not be needed in the scenario on Page 5
- because of higher levels of DSM?
- 3 A. I would turn that question over to Mr. Michaels.
- 4 I expect he'd give you an immediate answer on that. I'm -- I --
- 5 I could guess, but let's leave that for Mr. Michaels.
- Q. Okay. Do you know how Ameren weighed the trade
- 7 off between reducing PVRR from the -- from RAP versus low risk
- 8 against the cost to the Ameren shareholders with regards to lost
- 9 revenue?
- 10 A. Well, the minimization of PVRR had a 30 percent
- weighting and the financial regulatory piece that includes
- 12 return on equity earnings per share, you know, business
- 13 condition constraints was 20 percent.
- Q. Do you know over the -- over the life of the --
- over this 2011 to 2039 period what the lost revenues for Ameren
- 16 would have been from the RAP versus low risk DSM?
- 17 A. I do not know that.
- 18 Q. Do you know if that was calculated?
- 19 A. I do not.
- Q. Okay. Okay. Do you know who would know that at
- 21 Ameren?
- 22 A. It -- it -- you know, we could att-- we could
- 23 find out if Mr. Voytas or Mr. Michaels knows that later, but I
- don't know the answer to that right now.
- 25 Q. And I guess I'm -- you testified, I believe,

- that the PVRR minimization was weighted 30 percent, the return
- 2 on equity was 20 percent.
- 3 A. Well, return on equity and other financial
- 4 regulatory con-- you know, decision criteria, they were lumped
- 5 together in one 20 percent block.
- 6 Q. So if the PVRR reduction from doing RAP rather
- 7 than low risk DSM were larger than the lost revenues to the
- 8 company, would that mean that the company should have pursued
- 9 RAP?
- 10 A. Well, if you look at the weighting of the
- 11 minimization of PVRR versus the financial regulatory, it's a
- 12 30/20 spit and you know, the way of the -- the way the weighting
- 13 worked out RAP DSM came through -- through that scorecard review
- and arrived at two of the contingencies out of 5. So the
- 15 minimization PVRR weighting did result in -- in two RAP DSM
- 16 programs coming through the screening, but arriving as
- 17 contingencies.
- Q. And then why was it not included as the -- in
- 19 the preferred plan?
- 20 A. Because of the other consideration or decision
- 21 factor related to DSM cost recovery.
- Q. And what was that?
- 23 A. It -- there were three other considerations also
- 24 in the filing referred to as decision factors. And they relate
- 25 to DSM cost recovery, plant financing and retirement,

- 1 environmental compliance concerns. And what that comes down to
- 2 is when you look at minimization of PVRR it has to be viewed in
- 3 light of legal and practical constraints. For instance, if --
- 4 if a utility arrived at a candidate resource plan that it could
- 5 not reasonably finance, say a nuclear power plant, then they
- 6 couldn't choose that as a preferred resource plan.
- 7 Also, on advice of counsel, if a utility was --
- 8 was -- was -- did not believe there was a likelihood or in deed
- 9 a significant likelihood that it would receive cost recovery for
- 10 a resource plan, it couldn't be compelled to choose that
- 11 resource plan. And in this case it was the DSM cost recovery
- 12 constraint.
- 13 Q. So did the level of the lost -- lost revenue
- 14 recovery factor into the decision whether to have it as part of
- the preferred plan, RAP, as part of the preferred plan or would
- any level of lost revenue to the company have led Ameren to
- 17 eliminate RAP from the preferred plan.
- 18 A. The level of lost revenues was certainly a
- 19 factor in looking at that other consideration.
- Q. But you don't know what that level of lost
- 21 revenue was?
- 22 A. No. We just look off of the last 2009 to 2011
- 23 and the current calculated losses that are -- that already been
- 24 impacted and those that we see going forward and then we
- 25 could -- it's not hard to determine it's a significant number.

- 1 Q. So if the -- hypothetically, if the minimization
- of PVRR was 10 times as large as the lost revenue to the
- 3 company, would RAP still not be included in the preferred
- 4 resource plan?
- 5 A. Well, it still would have come through the
- 6 scorecard as a contingency plan as it did, so the minimization
- of PVRR you could have gone to a higher weighting. It still
- 8 would have come through as a contingency plan just as it did,
- 9 but then when you get to the cost recovery constraints, it
- 10 wouldn't be chosen -- chosen as the preferred resource plan.
- 11 Q. Even if the savings to customers was -- through
- 12 PVRR was 10 times as the loss to shareholders?
- 13 A. Well, the public interest is -- it's a balancing
- 14 principle between customers expecting safe and adequate service
- 15 and the utility having access to just and reasonable rates
- including opportunity to earn a reasonable return on its
- investments.
- 18 Q. So is there any level of exceedance of the
- minimization of PVRR over the lost revenues to shareholders that
- 20 would have caused Ameren to include the RAP in the final
- 21 preferred referred plan?
- 22 A. I don't know the answer to that question. I
- 23 mean, how big of a -- I don't know the answer to that.
- 24 Q. All right. If you turn to Page 11 of your
- 25 testimony --

- 1 A. Okay. Are we done with the IRP?
- Q. Yes.
- A. At least for now?
- 4 O. At least for now.
- 5 A. And then let me go over to my testimony.
- THE WITNESS: Can I set this here?
- 7 THE COURT REPORTER: Sure.
- 8 THE WITNESS: Thank you.
- 9 Okay. Page 3, I'm there.
- 10 BY MR. FISK:
- 11 Q. Okay. You discuss here the weight given to the
- 12 minimization of PVRR in comparison to other factors used in --
- other decision factors; is that correct?
- 14 A. Yes.
- 15 Q. Okay. And is it your position -- am I
- understanding correctly that so long as the PVRR is given the
- 17 most weight of any single factor then it qualifies as being the
- 18 primary factor?
- 19 A. If I understand your question, if you have a
- 20 number of different factors as long as minimization of PVRR
- 21 receives the greatest weighting, it is being viewed as the
- 22 primary selection criterion.
- Q. Yes. That's my question.
- 24 A. Yes.
- Q. Okay. And does it matter -- is there a limit to

- 1 the number of factors under -- under that approach?
- 2 A. Well, I think -- the simple answer to your
- 3 question is in theory no, but in reality there's only going to
- 4 be a limited number of decision criteria that makes sense
- 5 associated with resource planning.
- 6 Q. So under -- under -- under Ameren's approach to
- 7 what it considers the primary factor, if there had been 10
- 8 selection criteria and PVRR was given 11 percent weighting,
- 9 would that be -- still PVRR would be the primary decision
- 10 factor?
- 11 A. Well, mathematically it would be the primary
- selection criterion then, but clearly that was doesn't done
- 13 here. There were five and you know --
- 14 Q. But in terms of extending the logic of the
- 15 argument, you could have a situation where there are 20
- selection criteria and PVRR would be 6 percent weighted.
- 17 Correct?
- 18 A. Under an extreme example, yes.
- 19 Q. And would that -- would you still consider that
- to be the primary factor?
- 21 A. Well, mathematically it would be the primary
- 22 selection criterion. Although clearly that wasn't the case in
- 23 this -- this example.
- Q. And if you turn to Page 7 of your testimony.
- 25 A. Okay.

- 1 Q. Lines 3 to 15. There you have a discussion
- there about the testimony of Mr. Rogers; is that correct?
- 3 A. Yes.
- 4 Q. And there's a reference to I guess proposal that
- 5 the company commits to do four things, one of which is agreeing
- 6 that if there were a -- if the Commission were to approve RAP
- 7 with a fair DSM investment mechanism, Ameren would agree to deem
- 8 that to be part of its preferred resource plan. Do you see
- 9 that?
- 10 A. Yes, I do.
- 11 Q. And is that a correct interpretation of your
- 12 testimony there?
- 13 A. Yeah. There -- there was -- this is condition 2
- of the Commission's four and actually Mr. Rogers includes it in
- 15 his surrebussel -- rebuttal testimony as well. Yes. I think
- it's a fair recollection of it.
- Q. Okay. And is that something that Ameren would
- 18 agree to?
- 19 A. I think likely. If your question is if the
- 20 Commission approving a MEEIA filing aligning our interests with
- 21 the interest of our customers in pursuit of all cost effective
- demand-side energy savings as 393.1075.3 and 4 of the MEEIA
- 23 statute envisions, I think it is likely we would be able to
- 24 chose that as a preferred resource plan.
- 25 As I sit here today I can't say absolutely. I

- 1 mean, it's not my decision alone to make that decision, but I
- 2 think it's likely. And you know, if it's a yes or no to
- 3 Mr. Rogers' question the idea for the commitment here the net
- 4 effect over the three-year period, after that MEEIA filing was
- 5 approved would be sent the net -- the same as saying yes or no
- 6 because the only resource plan in that time period is the RAP
- 7 DSM expenditure investment effort. And so yes or no, it's the
- 8 same net effect over that three-year period.
- 9 Q. And there is a reference to fair demand-side
- 10 program investment mechanisms. Do you see that in Lines 13 and
- 11 14 of your testimony on Page 7?
- 12 A. Yes. From Mr. Rogers' --
- 13 Q. yes.
- 14 A. -- testimony where I've quote it there, yes. I
- 15 see that.
- Q. And do you know -- or what would Ameren consider
- 17 to be fair DSM investment mechanisms?
- A. Well, the details of filings are not completed
- 19 yet, but what we would envision in that filing is a three-year
- 20 commitment seeking approval of a three-year commitment or a
- 21 three-year plan to seek RAP DSM energy savings, seek cost
- 22 recovery of the energy efficiency programs, share net benefits
- 23 mechanism to mitigate the throughput disincentive, and approval
- of a technician resource manual that would lay out the details
- of the effects of a range of energy efficiency programs.

- 1 Q. Okay. Just two other quick questions. Do you
- 2 know what percent of Ameren's shares are held by Missouri
- 3 residents?
- 4 A. No. I don't.
- 5 Q. Do you know what percent of Ameren shares are
- 6 held by Ameren customers?
- 7 A. I do not.
- 8 MR. FISK: No further questions.
- 9 THE WITNESS: Thank you.
- 10 JUDGE WOODRUFF: Ms. Vuylsteke, did MIEC wish to
- 11 cross?
- 12 MS. VUYLSTEKE: Yes. I do have a few questions.
- 13 CROSS-EXAMINATION BY MS. VUYLSTEKE:
- Q. Good morning, Mr. Wood.
- A. Good morning.
- Q. Mr. Wood, do I understand from your surrebuttal
- 17 testimony that it's your position and also Ameren's position
- that present value of revenue requirements is not the only
- 19 factor to be considered in selecting the preferred resource
- 20 plan?
- 21 A. No. It isn't the only decision criteria.
- Q. Okay. And I believe that you mentioned earlier
- 23 that in Ameren's selection in preferred resource plans the
- 24 weight given to the PVRR was 30 percent; is that correct?
- 25 A. Minimization of PVRR had a 30 percent weighting,

- 1 yes.
- 2 Q. Okay. So is there a minimum weight to PVRR that
- 3 Ameren believes should be used?
- 4 A. It should receive the greatest weighting of any
- of the different decision criteria, but I don't know if I -- I
- 6 haven't gone through what's a -- what's a reasonable minimum
- 7 assessment there.
- 8 Q. Is there a maximum weight to PVRR that Ameren
- 9 believes should be used in selecting the preferred resource
- 10 plan?
- 11 A. I haven't assessed that range of the -- of it
- 12 either.
- 13 Q. Okay. In addition to PVRR what do you regard as
- 14 the most important -- quote/unquote -- other factors to consider
- in selecting a preferred resource plan?
- 16 A. Well, in this case -- and I think it fairly
- captures the view of the Ameren Missouri management team. You
- 18 have to also consider environmental compliance and portfolio
- 19 diversity given our concentration toward one general -- one
- generation resource right now. That's one of them.
- 21 Another one would be rate impacts, customer
- 22 satisfaction. You know, while PVRR is important, you know, for
- 23 energy efficiency in particular, people who haven't participated
- in the energy efficiency program, you have to be concerned about
- 25 the rate impacts on them. So that's the average system rate,

- 1 customer impact piece is 20 percent.
- 2 And then financial regulatory concerns, return
- 3 on equity or earnings per share, stranded capital, things like
- 4 that, 20 percent. And then economic development in terms of
- jobs, tax base, things of that nature at 10 percent.
- Okay. Now, assume that we have two resource
- 7 plans that have essentially the same present value of revenue
- 8 requirements over whatever time horizon the utility is going to
- 9 use for evaluation purposes.
- 10 A. Okay.
- 11 Q. And assume that there are two candidate resource
- 12 plans. Plan A has a very high capital investment at the
- 13 beginning as compared to Plan B, but Plan A has lower variable
- prices in all years than does Plan B. Okay?
- 15 A. I think I'm with you.
- 16 Q. Okay.
- 17 A. Okay.
- 18 Q. And let's also assume that our evaluation period
- 19 is 20 years.
- 20 A. Okay.
- 21 Q. And that Plan A has a PVRR of \$10 billion --
- 22 A. Okay.
- Q. -- for the first 10 years. And a PVRR of 7
- 24 billion for the second 10 years.
- 25 A. Okay. I didn't bring my calculator up here, but

- okay -- so Plan A has 10 million over the first 10 years, 7
- 2 million over the second 10 years?
- Q. Right.
- 4 A. Am I following you right?
- 5 Q. Yeah. To-- so there would be a total of 17
- 6 billion of PVRR.
- 7 A. So the 7 billion has that been present valued as
- 8 well, so you can add that to the 10, for up front of 17?
- 9 Q. Correct.
- 10 A. Okay. I'm there.
- 11 Q. Okay. Now, keep -- stay with me and assume that
- 12 Plan B, which is not as capital intensive but has a higher
- variable cost has a PVRR for the first 10 years of 7 billion and
- 14 for the second half 10 billion.
- 15 A. And the 10 is present valued, so they're both 17
- 16 million PVRRs, but one has more up front and the other one is
- more up front and more at the end?
- 18 Q. They're both 17 billion.
- JUDGE WOODRUFF: If I can interrupt. The
- 20 attorney is talking about billions. The witness is talking
- 21 about millions. I want to be clear on which we're talking
- about.
- 23 THE WITNESS: There is a difference there.
- 24 MS. VUYLSTEKE: Billion.
- 25 THE WITNESS: Billions. I have it. Okay. Very

- 1 good. Okay.
- 2 BY MS. VUYLSTEKE:
- 3 Q. Okay. So they both have a PVRR -- both examples
- 4 I gave you, both hypotheticals have a PVRR of 17 billion.
- 5 A. I'm with you.
- 6 Q. And even though these plans have the same PVRR,
- 7 do you agree that they pose different risks to ratepayers?
- 8 A. How are you -- I mean, are you quantifying if --
- 9 are you including environmental compliance, customer rate
- 10 impacts?
- 11 Q. All of that. Sure.
- 12 A. All of those. Yeah. Without -- I mean, if I
- 13 had some idea of the type of resources and then I would still
- 14 have to give the caveat that I -- you know, I think there's a
- 15 lot of details that go into assessing what -- what -- what --
- 16 how you measure risk over time to customers under different
- 17 resource plans.
- So I -- I don't know that I can answer that as
- one has a different risk than the other because it depends on
- 20 other variables associated with it.
- 21 Q. Would --
- 22 A. PVRR isn't the only -- my point is PVRR isn't
- 23 the only way to assess that risk.
- 24 Q. Would you agree that once a capital investment
- 25 has been made the revenue requirement associated with that

- 1 capital investment is defined?
- 2 A. As a -- if I understand your question, does one
- 3 of them have a better defined up-front capital of expenditure
- 4 than the other one?
- 5 Q. Yes.
- 6 A. Yeah. I think that would be true.
- 7 Q. Now, if I can refer to your testimony on your
- 8 surrebuttal testimony, Page 8.
- 9 A. Okay.
- 10 Q. And beginning on about Line 5.
- 11 A. Line 5. I'm there.
- 12 Q. Okay. You state that the rules implementing
- 13 MEEIA are currently under challenge.
- 14 A. Yes.
- 15 Q. Is that challenge occurring in the courts?
- 16 A. Yes.
- Q. Who are the parties that have filed challenges
- 18 to those rules in court?
- 19 A. Well, I -- I know we have challenged them. I
- 20 know -- I believe the Office of Public Counsel's challenged them
- 21 as well. There are probably some other parties I'm not
- 22 recalling right now.
- 23 Q. Okay. Do you -- do you know the status of where
- that appeal process stands for these challenges?
- 25 A. There's been a couple of court proceedings. I'm

- 1 trying to remember if there's already been the one there's
- 2 already been a decision by the Circuit Court and it's going to
- 3 the Appeals. I believe that's the case with this one.
- 4 Q. And then can I refer you to Page 9 of your
- 5 surrebuttal testimony.
- A. I'm there.
- 7 Q. Okay. And starting around Line 8, you indicate
- 8 in the answer to the question there that Ameren Missouri has
- 9 initiated discussions with stakeholders to develop an MEEIA
- 10 filing. Is that a true statement at the time that you prepared
- 11 the testimony?
- 12 A. Yes.
- 13 Q. Okay. Which parties -- if you can tell me,
- which parties have you initiated discussions with?
- 15 A. I -- I was present for an up front meeting with,
- 16 you know -- this is just getting some ideas around what parties
- would want to see with Staff and DNR, although I know there's
- been some additional outreach since then that I wasn't a part
- 19 of.
- 20 Q. So you've been a part of discussions with the
- 21 Staff and with DNR?
- 22 A. Yeah. Just getting some general feedback on
- 23 thoughts about the structure of filing.
- Q. And you said that there were others that
- 25 Ameren -- are there others at Ameren that have had discussions

- that you were not involved in?
- 2 A. Yes.
- 3 Q. Do you know who those people were?
- 4 A. I would anticipate Dan Laurent (ph.) was in some
- 5 of those discussions.
- 6 Q. Do you know which stakeholders would have been
- 7 non-Ameren stakeholders would have been there?
- 8 A. No.
- 9 Q. Okay. Do you know roughly when the discussions
- 10 began? Your discussions? Starting with your discussions?
- 11 A. Well, I mean, there have been discussions around
- 12 cost recovery associated with energy efficiency as early as, you
- 13 know, a year and a half ago. You know, some of the more recent
- ideas for MEEIA filings -- I mean, those discussions have taken
- 15 place in the last, you know, probably two or three months.
- 16 Q. Have you met with or attempted to meet with the
- 17 OPC regarding the MEEIA filings?
- 18 A. No. I do anticipate that sort of an outreach,
- 19 but I don't know that that has happened yet.
- Q. Have you met with or tried to meet with the AARP
- 21 about the MEEIA filings?
- 22 A. I don't know.
- Q. You know whether you have or not.
- A. I have not.
- 25 Q. You have not. And you don't know of anyone at

- 1 Ameren who has?
- 2 A. I do not know if that outreach has been made
- 3 yet.
- 4 Q. Have you met with or tried to meet with the
- 5 Consumer Council of Missouri regarding the MEEIA filings?
- A. I don't know the answer.
- 7 Q. Have you met with or tried to meet with
- 8 representatives of Barnes-Jewish Hospital?
- 9 A. I don't know the answer to that.
- 10 Q. Do you plan to meet with them?
- 11 A. I would need to check with -- with our people
- 12 working on that filing to see what additional stakeholder
- outreach they have planned and the timing on that. I don't know
- 14 the answer to that.
- 15 Q. Okay. I should have asked you the same question
- with regard to the AARP. Do you plan to meet with them?
- 17 A. Well, prior to the filing, I don't know.
- Obviously, once the filing's been made they're be plenty of
- 19 opportunity for everybody to look at that filing and provide
- 20 their feedback.
- Q. Do you plan to meet with the OPC?
- 22 A. I do not know that.
- 23 Q. Okay. And finally, have you met with or
- 24 attempted to meet with representatives of the MIEC regarding the
- 25 MEEIA filing?

- 1 A. I do not know the answer to that.
- MS. VUYLSTEKE: No other questions. Thank you.
- 3 THE WITNESS: Thank you.
- JUDGE WOODRUFF: Public Counsel?
- 5 MR. MILLS: Isn't DNR next?
- THE WITNESS: DNR.
- JUDGE WOODRUFF: I'm sorry. I skipped DNR.
- 8 CROSS-EXAMINATION BY MS. FRAZIER:
- 9 Q. I just have one follow-up question.
- 10 A. Okay.
- 11 Q. Good morning.
- 12 A. Good morning.
- 13 Q. I believe in some earlier testimony you were
- 14 describing how you determined decision factors.
- 15 A. Uh-huh.
- Q. And with regard to DSM cost recovery I believe
- 17 you said if the company believes it won't receive cost recovery
- if you view that as a constraint and that was the basis of your
- 19 treating DSM cost recovery as a constraint in this case; is that
- 20 correct?
- 21 A. Yeah. On advice of counsel, if a utility does
- 22 not believe it would be likely to receive cost recovery under a
- 23 plan, it couldn't be compelled to chose that plan.
- Q. And so what leads Ameren to believe that it will
- won't receive adequate cost recovery?

- 1 A. If we look at the current regulatory structure 2 and where our energy efficiency expenditures have been and the 3 lost revenues associated with that, without a change in that
- 4 construct likely triggered by the approval of a MEEIA filing,
- 5 you know, we don't currently have an expectation we wouldn't
- 6 continue to incur significant cost revenues.
- Q. But in terms of the treatment of Ameren by the Commission under its MEEIA filing that it intends to file, what leads you to believe you won't receive adequate treatment or a
- range of treatment that would allow you to recover lost revenue?
- 11 A. I believe the cost recovery provisions of the
- 12 MEEIA rule anticipates you have a MEEIA filing approved and at
- that point in time you have the ability to recover lost revenues
- 14 associated with that plan that's been approved by the
- 15 Commission. You know, I don't -- I'm not confident that a
- 16 retroactive or the ability to recover lost revenues were
- incurred already as a result of that.
- In fact, under a MEEIA filing if one was
- 19 approved by the Commission in mid next year, the lost revenues
- 20 amounts I quoted earlier -- those are -- those are likely
- 21 already going to occur and there wouldn't be an opportunity, at
- 22 least, you know -- at least I'm -- on advice of counsel -- we
- 23 need to check with counsel if there's some opportunity there,
- 24 but you know I think there's a real lot -- possibility those
- lost revenues are -- will occur either way.

- 1 Q. I think you misunderstand my question.
- 2 A. Okay.
- 3 Q. So coming at it a different way, when you
- 4 evaluate environmental regulations that may or may not come into
- 5 existence in the future, do you make certain assumptions about
- 6 how you will have to deal with future treatment under
- 7 environmental regulations? Treatment meaning compliance with
- 8 those regulations? Do you make assumptions about that?
- 9 A. Well, you have to -- you look at different
- 10 uncertain factors and apply different risk ranges associated
- 11 with them, yes.
- 12 Q. And so my question is with respect to whatever
- 13 you're intending to ask for under your MEEIA filing that you
- 14 intend to file --
- 15 A. Yeah.
- Q. -- what leads you to believe that you won't
- 17 receive -- or be able to receive some level of recovery for lost
- 18 revenue under that filing?
- 19 A. I -- if that MEEIA filing is approved, I think
- we'd have a high confidence level of alignment and recovery of
- 21 those costs.
- 22 Q. But for purposes of your IRP you assumed that
- 23 you would not receive any; is that right?
- 24 A. Prior to the approval of the MEEIA, yes.
- MS. FRAZIER: Thank you.

- JUDGE WOODRUFF: Public Counsel?
- 2 CROSS-EXAMINATION BY MR. MILLS:
- 3 Q. Good morning, Mr. Wood.
- 4 A. Good morning.
- 5 Q. Do you have a copy of Mr. Rogers' surrebuttal
- 6 testimony there with you?
- 7 A. No. I'm sorry. I don't.
- 8 Q. I'm just going to ask you a question about a
- 9 couple of pages. Let me just hand you the pages.
- 10 A. Okay.
- 11 MR. BYRNE: We'll get him a copy.
- 12 THE WITNESS: You have a --
- MR. BYRNE: I got a copy.
- 14 THE WITNESS: Tom's going to give me a copy.
- 15 Thank you.
- MR. BYRNE: Sure.
- 17 THE WITNESS: I'm working my way there. Is it
- 18 the surrebuttal or rebuttal?
- 19 BY MR. MILLS:
- 20 O. Surrebuttal.
- 21 A. Okay.
- Q. Specifically, starting on Page 12.
- 23 A. Just a minute.
- MS. TATRO: If it helps, it's behind the orange
- 25 divider.

- 1 THE WITNESS: Thank you. That is helping me.
- Okay. Yes. I'm on Page 12 of Mr. Rogers's surrebuttal
- 3 testimony.
- 4 BY MR. MILLS:
- 5 Q. And before I get into this, let me ask you sort
- of a preliminary question. You are the most senior member of
- 7 Ameren management to testify in this case; is that correct?
- 8 A. That's true.
- 9 Q. Okay. You have read Mr. Rogers' surrebuttal
- 10 testimony, I take it, before you get here today?
- 11 A. Yes, I have.
- 12 Q. And are you familiar that, on Page 12 and 13 he
- lists four conditions that Staff recommends that Ameren accept?
- 14 A. Yes. I have read those.
- Q. And I'm just going to go through those sort of
- one by one.
- 17 A. Okay.
- 18 Q. Number 1 is on Line 16 through 18 of Page 12.
- 19 Would Ameren agree to that condition in this case?
- 20 A. There's really two requirements under this
- 21 sentence. The first one's acceptable; the second one is not.
- 22 If you'd like me to explain.
- 23 Q. No. I'm just trying to get a yes or no on each
- 24 of the conditions --
- 25 A. Okay. Well --

- 1 Q. -- and I think that if that's partly a no,
- 2 that's a no. Correct?
- A. Well, it's -- it's half yes, half no --
- Q. Okay.
- 5 A. -- because there's two --
- 6 Q. Fine. I --
- 7 A. -- requirements in there.
- 8 O. And I --
- 9 A. Okay.
- 10 Q. That's partly no. Let's move on to Condition
- 11 No. 2, which is at Lines 1 through -- 1 through 5 on Page 13.
- 12 A. I'm there. Okay.
- 13 Q. Would Ameren agree to that condition in this
- 14 case?
- 15 A. Let me read the condition again. If our --
- it's -- I'm probably in reverse order of what he's -- what he's
- 17 asking here. And you can interpret that a -- if you believe
- that's a yes or no. I think if a MEEIA filing was approved by
- 19 the Commission, we would -- there's a likelihood we would chose
- 20 that as a preferred resource plan, but I can't make that
- 21 commitment sitting here today.
- 22 Q. Okay.
- 23 A. But it's a little different than what he was
- asking, is would we commit to that if the Commission approves
- 25 the MEEIA. I'm answering a little different. I don't know that

- I can commit to the specific requirement he's making here.
- Q. His condition as I read it -- and tell me if you
- 3 read it differently -- is that Ameren would essentially notify
- 4 the Commission now that it has changed its preferred resource
- 5 plan subject only to a condition that it may change later if you
- don't get fair treatment in your MEEIA filing. Is that not how
- 7 you read his proposed condition?
- 8 A. I think that is largely how I read it. And I
- 9 couldn't agree to that commitment as I sit here today.
- 10 Q. Okay. Condition No. 3 is at Line 6 and 7 of
- 11 Page 13.
- 12 A. Yes.
- Q. Would Ameren agree to that?
- 14 A. Well, it is our intent to make a MEEIA filing,
- 15 you know, as I indicated, in early January. That's are target
- 16 date.
- 17 Q. So you would agree to that one. In fact, your
- 18 current plan, I believe as you've layed it out today, is to file
- 19 relatively quickly as to compared to what previous public
- 20 statements have been made?
- 21 A. Yeah. We indicated first quarter and there's
- been a number of, you know -- in a number of different
- 23 proceedings, people have made it clear they want us to see that
- filing as soon as possible and we've been accelerating our
- 25 efforts internally to try to move that date up.

- Q. Condition No. 4, which is at Lines 8 through 12
- is on Page 13 of Mr. Rogers surrebuttal testimony.
- 3 A. Yes. A note of clarification, then I'll answer
- 4 it. If it's referring to deficiencies identified by the
- 5 Commission in an order, I believe -- you know, Sentence 4 is
- 6 consistent with our reading of the rule and that would be
- 7 acceptable. If it's a requirement to address alleged
- 8 deficiencies of parties absent a Commission order, then we
- 9 couldn't agree to that commitment.
- 10 Q. Moving on to some different topics. And you
- went through a little bit of sort of your background and your
- 12 involvement in the IRP filing with Mr. Williams, so I'm not
- 13 going to try to repeat that.
- Were you involved -- and he may have asked you
- 15 this. And if he has, I apologize for repeating it. Were you
- involved in the development of the policy objectives that were
- 17 used in the initial screening of alternative resource plans?
- 18 A. These would be the policy objectives or the
- 19 decision criteria? The five? I was not in the initial meetings
- where those were developed, no.
- Q. Okay. And a similar -- and really, I wasn't
- 22 asking about the five. I was talking about the initial
- 23 screening. But a similar question about those five, the policy
- 24 objectives that were used in the final screening, I take it from
- 25 your answer that you were not involved in developing those

- 1 objectives either?
- 2 A. In developing of them, no. In the assessing of
- 3 the market scenarios and independent uncertain factors there
- 4 were three meetings, one in October and two in November of last
- 5 year. I was in those meetings.
- Q. And the purpose of those meetings was to --
- 7 A. Was to go through the candidate resource plans
- 8 and arrive at the preferred resource plan with five
- 9 contingencies.
- 10 Q. Okay. Using the policy objectives that had
- 11 already been developed?
- 12 A. Yes.
- 13 Q. Okay. Do you -- even though you weren't
- involved in the development of those objections -- objectives,
- 15 do you know why energy efficiency was removed from the list of
- policy objectives used for the final screening?
- 17 A. I had -- I had asked about this in some of the
- 18 management discussions early on and there was -- initially
- 19 energy efficiency was in there and actually it was an effort
- 20 to -- to make sure that there was an additional weighting for
- 21 energy efficiency to make sure that it would make it through the
- 22 screening process for further evaluation.
- In the end it wasn't necessary, the PVRR numbers
- 24 were favorable enough that it came through without the need to
- 25 have a specific weighting in favor of energy efficiency.

- 1 Q. Now, Ameren Missouri has filed a notice of
- 2 change in preferred resource planning -- preferred resource plan
- 3 in late October of this year; is that correct?
- 4 A. Yes.
- 5 Q. Can you, in brief, describe how it differs from
- 6 the one that was part of the preferred resource plan that was
- 7 filed -- the IRP that was filed in February of 2011?
- 8 A. I believe it reduced the energy efficiency
- 9 level. It moved a -- a generation resource option sooner in the
- 10 process and there was probably a bridge period where you -- I'm
- 11 trying to remember the details of the filing. I don't really
- 12 remember all the details of it.
- 13 Q. But at a high level it reduced energy efficiency
- spending and accordingly moved up a supply-side resource further
- in the -- in the -- closer to the beginning of the planning
- 16 horizon period?
- 17 A. Yes, as I recall.
- 18 Q. Okay. Were you involved in the decision to make
- that change of the preferred resource plan?
- 20 A. Yes.
- Q. Who else was involved in that decision and when
- 22 was the decision made? Let me ask that as two questions. Who
- 23 else was involved?
- 24 A. Okay. The Ameren Missouri management team.
- 25 Q. Okay. And that's the same management team that

- 1 you discussed with Mr. Williams earlier?
- 2 A. Yes.
- 3 Q. Okay. When was that decision made?
- 4 A. I mean, if you're looking for a specific date, I
- 5 won't remember that, but I recall that it was subsequent to the
- 6 rate case decision and obviously prior to our filing in October.
- 7 Q. And that's as close as you can pin it down?
- 8 A. Yes. Possibly.
- 9 Q. Was that made at a -- was the decision made at a
- 10 specific meeting of the management team?
- 11 A. Several different discussions on what the
- 12 appropriate path forwards would be.
- 13 Q. Was there a specific point at which a vote or
- 14 a -- a -- some other means of measuring consensus among the
- management team members occurred?
- 16 A. Yeah. There was a meeting where the Ameren
- 17 Missouri management team looked at the -- you know, we had
- 18 several discussions at that point and there was a decision -- a
- 19 decision of the group that it was appropriate.
- 20 O. Was that a unanimous decision?
- 21 A. I do not recall any consent among the members.
- 22 It was the right thing to do. So I think I would view it as
- consent.
- 24 COMMISSIONER KENNEY: I didn't hear you. What
- 25 did you -- can you repeat that?

- 1 THE WITNESS: I would -- yes. I don't recall
- 2 any of the management team expressing -- I mean, they had asked
- 3 their questions, we had stepped through them. I don't recall
- 4 what they were, but there were no objections to making that
- 5 decision.
- 6 BY MR. MILLS:
- 7 Q. I think -- I think in your earlier response you
- 8 said there was no consent.
- 9 A. I'm sorry. Then I'm glad we asked for
- 10 clarification.
- 11 Q. Sort of at a high level would you agree with me
- that this case is about planning to see how Ameren Missouri
- 13 could best provide service to its native load customers over the
- 14 next 20 years?
- 15 A. Could you restate that again because I -- I
- think I might state it a little differently. Or I can restate
- it differently, you could see if you --
- 18 Q. Well, my question was is this case about
- 19 planning to see how Ameren Missouri could best provide service
- 20 to its native load customers over the next 20 years.
- 21 A. I would go with no. I wouldn't necessarily
- 22 agree with the way you stated it. I would go to this case is
- about the fundamental objective of the integrated resource
- 24 planning process. And I would go to the definition in 01 --
- 25 22.010 (2). It is about the fundamental objective of the

- 1 resource planning process.
- 2 Q. Do you have a copy of Chapter 22 there with you?
- 3 A. The old rules? Not the current -- or previous
- 4 rules, I should say.
- 5 Q. Let me ask a clarifying question then. From
- 6 your perspective is there a difference in the last answer you
- 7 gave me depending on whether you're talking about the old rules
- 8 or the new rules?
- 9 A. I need to look at the fundamental objectives
- 10 statement in the new rules and then I can answer that question.
- 11 Q. And do you have copies of either or both?
- 12 A. I have the -- I have a copy of the rules in
- 13 effect when this IRP was filed. No.
- 14 THE WITNESS: I have the old ones, Tom. He's
- 15 asking about the new ones.
- 16 BY MR. MILLS:
- 17 Q. And I didn't -- I didn't bring a copy of the new
- 18 ones.
- MS. TATRO: I have them.
- THE WITNESS: Okay. Okay. Thank you. Well,
- 21 the fundamental objective reads a little differently, but in
- 22 many regards is -- it's very similar.
- 23 BY MR. MILLS:
- Q. So with respect to what this case is about, it's
- about the fundamental objectives and they're fairly similar, are

- 1 they not, between the old rule and the new rule?
- 2 A. It's focused on providing the public with energy
- 3 service that are safe, reliable and efficient at just and
- 4 reasonable rates in a manner that services the public interest.
- 5 Q. And the both require the use of PVRR as the
- 6 primary selection criteria, do they not?
- 7 A. Yes. They do.
- 8 Q. Okay. Now, would you agree with me that Ameren
- 9 Missouri could reduce the environmental impact of serving its
- 10 native load customers over the next 20 years if the company
- 11 pursued aggressive energy efficiency programs?
- 12 A. It depends on the net effect of which units
- 13 continue to operate in off-system sales. You know, like would
- 14 you close down coal units or not. It's hard to say. It depends
- on their cost effectiveness and other EPA regs. If it results
- in a reduction of lack of generation from coal-fired units, then
- 17 the answer to your question is yes.
- 18 Q. And I phrase the question specifically about the
- impacts of serving its native load.
- 20 A. Okay. If that was the distinction you were
- 21 making? Likely.
- 22 Q. Can you envision a circumstance in which it
- 23 would not?
- A. Nothing comes to mind right now, no.
- Q. Okay. And looking at it another way, would

- implementing aggressive energy efficiency programs allow Ameren
- 2 Missouri to reduce harmful emissions such as CO2, SO2, NOx and
- 3 Mercury associated with providing electric service to native
- 4 load customers?
- 5 A. It has that potential, yes.
- 6 Q. Okay. And again, I'm not trying to pin you down
- 7 to everything, but --
- 8 A. Okay.
- 9 Q. -- can you envision a circumstance in which it
- 10 would not?
- 11 A. Well, you're specifying native load --
- 12 Q. Yes.
- 13 A. -- so you're explicitly taking out off-system
- sales operations of units, so I -- no. I don't have an example
- that comes to mind where what you're suggesting isn't true.
- Q. And when you -- when you're referring to
- off-system sales, you're envisioning the scenario in which the
- generation used to serve native load is reduced by aggressive
- 19 pursuit of energy efficiency, but nonetheless all the current
- 20 units run the same way they're running now in order to make
- off-system sales?
- 22 A. Where there are economic opportunities for
- 23 off-system sales and, you know, as you know a vast majority of
- those go back to offset rates and to the benefit of customers.
- 25 Q. Okay.

- 1 A. Right.
- 2 Q. Now, do you believe that climate change is due,
- 3 at least in part, to human activity such as the operation of
- 4 coal-fired power plants?
- 5 A. I don't know the answer to that question.
- Q. You don't have a -- you don't have any knowledge
- 7 about that?
- 8 A. If coal-fired units are causing global warning?
- 9 Q. At least in part. Does the operation of
- 10 coal-fired power plants contribute in part?
- 11 A. I -- I do not have -- I do not have a view on
- 12 that if it's one way or the other. I mean --
- 13 Q. Setting that particular aspect aside, do you
- 14 believe that reductions in the amount of energy generated by
- 15 coal-fired power plants would have public health benefits?
- 16 A. You know, this is -- I don't -- I don't know
- 17 that that's a forgone conclusion. There are some other things
- 18 that relate to human health that have little to do with
- 19 emissions from coal-fired units. But versus the cost of
- 20 electricity from those units.
- 21 Q. And I'm not asking you to speculate whether car
- 22 crashes are more hazardous than coal plant emissions. I'm
- 23 asking you would a reduction in the amount of energy generated
- through coal-fired power plants, all else being equal, have
- 25 public health benefits?

- 1 A. Okay. All other things being equal, I think I
- 2 would say yes. You would see a reduction in emissions from
- 3 those units.
- 4 Q. And the question wasn't will you see a reduction
- 5 in emissions from those units. The question was would a
- 6 reduction in emissions from those units have public health
- 7 benefits.
- 8 A. I -- I would think the answer's probably yes.
- 9 Q. Now --
- 10 MR. MILLS: Judge, may I approach?
- JUDGE WOODRUFF: You may.
- 12 THE WITNESS: Thank you.
- 13 BY MR. MILLS:
- Q. Mr. Wood, I've handed you a document that is a
- 15 two-sided, one-page document. On the front it's simply a
- 16 printout from Ameren's website that -- that's a link that lists
- 17 vision, mission and values. Are you familiar with Ameren's
- 18 mission?
- 19 A. Yes, I am.
- Q. Okay. And here at least, it's reflected as the
- 21 mission is to meet our customers' energy needs in a safe,
- 22 reliable, efficient and environmentally responsible manner.
- 23 A. Yes.
- Q. And then if you look at the back side, there's a
- 25 press release. And it's really -- this particular press release

- 1 has to do with the Callaway outage, but --
- 2 A. Uh-huh.
- Q. -- at the bottom of the press release -- and I
- 4 think this is similar on many of the Ameren Missouri press
- 5 releases -- it talks about sort of -- the very last paragraph it
- 6 talks about serving the customers and it states that our mission
- is to meet their energy needs in a safe, reliable, efficient and
- 8 environmentally responsible manner.
- 9 A. Yes.
- 10 Q. And are you familiar with that as a mission of
- 11 Ameren Missouri --
- 12 A. Uh-huh.
- 13 Q. -- as well as Ameren Corporation?
- 14 A. Yes.
- 15 Q. And do those statements accurately reflect the
- mission of Ameren Missouri and Ameren?
- 17 A. Yes, to provide, you know, safe, reliable,
- 18 efficient, environmentally responsible manner. Yes.
- 19 Q. Do you believe that the -- the new preferred
- 20 resource plan that you all just filed at the end of October is
- 21 consistent with that mission?
- 22 A. I do.
- 23 Q. So eliminating almost all expenditures for
- 24 energy efficiency, at least in the short term, is consistent
- with that mission statement?

- 1 A. Well, it -- in -- in the immediate short term,
- 2 you know, the unfortunate reality is we've had to reduce our
- 3 expenditures in energy efficiency. That wasn't something we
- 4 wanted to do. We'd like to be able to get past this lull and
- 5 increase efficiency investments as soon as possible, you know.
- 6 But in the long review we need to be able to have just and
- 7 reasonable rates and access to capital to make continued
- 8 investments.
- 9 And if we're facing a significant ongoing loss
- of revenues under current regulatory structure, we're going to
- 11 have to seek some sort of alignment, which is the reason we're
- trying to accelerate the MEEIA filing.
- 13 Q. Now, one thing that struck me about this mission
- 14 statement is there's no mention at all about shareholder
- returns, earnings or profitability. Do any of those things
- 16 figure into the mission of you, in particular, as an Ameren
- 17 employee?
- A. Well, certainly in meeting customers' energy
- 19 needs in a safe, reliable manner we need to be -- have access to
- 20 capital and the ability to invest in infrastructure to provide
- 21 customers with that service over time.
- 22 Q. And with respect to access to capital, is it not
- 23 true that of all the major entities within the Ameren family of
- 24 companies that Ameren Missouri has got the best credit rating?
- 25 A. I don't know the answer to that question.

- 1 Q. Do you know of any other entities within the
- 2 Missouri family of companies that have a higher credit rating
- 3 that Ameren Missouri?
- 4 A. I haven't reviewed the relevant credit ratings
- of the different entities here recently, so I don't have the
- 6 answer to that question.
- 7 Q. Let me -- let me have you, if you would, turn to
- 8 your surrebuttal testimony, if you look at the revised
- 9 surrebuttal.
- 10 A. Okay. I am -- what page?
- 11 Q. Page 5.
- 12 A. Okay. I'm on Page 5.
- 13 Q. And here -- and it's really part of the whole
- page. I don't have a specific line, although perhaps, you know,
- 15 the sentence on Lines 14 through 16. Actually, 16 through -- 14
- through 19. Here's where you're talking about where
- shareholders come into the picture. Correct?
- 18 A. Yes. This is the need to have access to the
- opportunity to earn a reasonable return on your investment.
- 20 Q. From your perspective does Ameren Missouri have
- 21 an obligation to consider customer interests?
- 22 A. Yes, we certainly have an interest in customer
- 23 satisfaction as part of our business.
- 24 Q. Do you have an obligation to consider customer
- 25 interest?

- 1 A. I feel -- I feel a personal obligation to
- 2 consider personal interest. And I believe the corporation does
- 3 as well.
- 4 MR. BYRNE: Excuse me, Your Honor. I think he
- 5 misspoke. He said personal interest, I think he meant customer
- 6 interest. Can I get him to correct that?
- 7 THE WITNESS: Okay. Yeah.
- 8 BY MR. MILLS:
- 9 Q. You did. I though it was relatively clear from
- 10 the context that you misspoke.
- 11 A. Okay.
- 12 Q. That's fine. Freudian perhaps, but it was
- 13 understandable.
- So, and I take it that it's your belief that the
- 15 company had struck the proper balance between customer interests
- and shareholder interests in its preferred resource plan as
- 17 modified?
- 18 A. In the short term, consider given the
- 19 constraints, yes. In the long term, I would like to see us at a
- 20 higher energy efficiency investment level. Hence again why
- 21 we're seeking that MEEIA filing as soon as we can.
- Q. If in this case the Commission disagrees that
- 23 you struck the proper balance between shareholder and
- 24 ratepayers, what can it do?
- 25 A. Well, the integrated resource planning process

- is largely about the process, the inputs. It's not necessarily
- 2 a means to direct or approve of a particular resource or plan.
- 3 So I -- you know, if -- if there's a concern on what comes out
- 4 of this it's -- it really in -- in terms of the IRP rule, it's
- 5 largely is focused on the process not the output.
- 6 Q. Okay. So if those of us who argue that the
- 7 process was so flawed that the preferred resource plan was -- is
- 8 incorrect, if we are successful in convincing the Commission to
- 9 agree with us, it's your opinion that the Commission other than
- simply stating it agrees, can do nothing about it?
- 11 A. Well, not necessarily in the integrated resource
- 12 planning process. There are other regulatory proceedings where
- 13 there is cost differences between one resource versus another,
- 14 where cost recovery of those resources come up and that's where
- 15 those -- those arguments would be made.
- Okay. So for example in an FAC case the
- 17 Commission can say you should have spent less on fuel because
- 18 you could have spent more on energy efficiency. Is that one of
- 19 the cases you're talking about?
- 20 A. It is. They would have an obligation to show
- 21 the utility was not -- was not somehow reasonably constrained
- from choosing that resource either legally or practically.
- 23 Q. So it's your testimony that even if the
- 24 Commission were in this case to find that Ameren has chosen an
- 25 inappropriate preferred resource plan, it would be up to some

- 1 party in some other case to prove harm from that decision?
- 2 A. The imprudence issue would generally come up in
- 3 a different proceeding than this one. This is largely focused
- 4 on process. If there was a determination in the future that
- 5 this resource was not right and parties could argue that they
- 6 were -- the utility was not legally or practically constrained
- 7 from making that decision, they would have to show that and show
- 8 harm.
- 9 Q. Switching gears.
- 10 A. Okay.
- 11 Q. Are you familiar with the Amerenwide generation
- 12 planning initiative?
- 13 A. Ask the question again.
- 14 Q. The process that's Amerenwide, that's called the
- 15 generation planning initiative.
- 16 A. I may be thinking it, of a different term, but
- that doesn't come to mind right away.
- 18 Q. Well, we may come back to that. Let me move on
- 19 then.
- 20 A. Okay.
- Q. With respect to the processing of this case has
- 22 Ameren Missouri or Ameren Services retained consultants that
- 23 worked on this filing or worked on this case that has not filed
- 24 testimony in the case?
- 25 A. I mean, I'm aware of Black and Veatch early on.

- 1 There may have been some others. I would refer that question
- 2 probably to Mr. Michaels. I think he could probably give you a
- 3 run down of who was brought in in the case.
- 4 Q. Okay. So as you sit there today, you know of
- 5 some but you think you don't know all of them?
- A. I think that's probably the case.
- 7 Q. Okay. I'll -- I will then defer that to
- 8 Mr. Michaels.
- 9 A. Okay.
- 10 Q. Now, in your revised surrebuttal testimony you
- 11 attached some data request responses.
- 12 A. Yes.
- Q. And so for example you've attached DR No. 3 to
- the Staff and the response to that question; is that correct?
- 15 A. Yes.
- Q. And that's at Schedule WW-E1?
- 17 A. Yes. I'm there.
- Q. And at WW-E2 you've attached Ameren DR No. 14 to
- 19 the Staff and the response thereto; is that correct?
- A. That's true.
- 21 Q. And Ameren submitted similar questions to a
- 22 number of the other parties in this case; is that correct?
- A. I believe so.
- 24 Q. How did you decide on which of the responses to
- 25 the similar questions to attach to your surrebuttal testimony?

- 1 A. Well, these -- these DR responses were, you
- 2 know, in -- in viewing the opinions and positions that
- 3 Mr. Rogers and Staff -- these DR responses were helpful in -- in
- 4 providing clarity as to the position of Staff and our view in
- 5 agreement on some of the issues they were expressing.
- 6 Q. Okay. And if we were to go through the similar
- 7 responses that Public Counsel gave for these similar questions
- 8 they would -- they would -- first of all, did you review those?
- 9 A. I reviewed a lot of DR responses. I don't
- 10 recall specifically these responses from OPC.
- 11 Q. Okay.
- 12 MR. MILLS: Judge, I'd like to get two exhibits
- marked.
- 14 JUDGE WOODRUFF: Okay. We're up to numbers 36
- 15 and 37.
- 16 (Wherein; OPC Exhibit Nos. 36 and 37 were marked
- for identification.)
- MR. MILLS: Okay. So then 36 will be Ameren
- Data Request No. 4 to OPC and the response thereto, and 37 will
- 20 be Ameren Data Request No. 13 to OPC and the response thereto.
- This is 36. And this is 37.
- THE WITNESS: Thank you.
- 23 MR. MILLS: Judge, how many do you need? I have
- lots.
- JUDGE WOODRUFF: Just a couple is fine. And

- 1 this first one was 36?
- 2 MR. MILLS: Yes.
- 3 BY MR. MILLS:
- 4 Q. Mr. Wood, do these questions and responses look
- 5 familiar to you now?
- A. They do.
- 7 Q. And the question that's posed in DR No. 4 to OPC
- 8 is the same question with the exception that it says OPC instead
- 9 of Staff as DR No. 3 to the Staff, which is attached to your
- surrebuttal testimony as WW-E1; is that correct?
- 11 A. I do believe so.
- 12 Q. Okay. And could you read the response of --
- 13 well, I don't need to have it read into the record. The
- 14 response of Public Counsel is very different from the response
- of Mr. Rogers, is it not?
- 16 A. Let me double check. This is comparing PSC 03
- 17 to OPC 04?
- 18 Q. Right.
- 19 A. Okay. I don't know that they are terribly
- 20 different.
- Q. Does Mr. Rogers in his -- anywhere in his
- 22 response state that Ameren Missouri has an obligation to do
- 23 anything for -- for ratepayers?
- A. Well, they have a fiduciary obligation to make
- 25 decisions that are in the best interest of Ameren Missouri's

- 1 investors and shareholders.
- Q. Correct.
- 3 A. Yes. And there are some shareholders and
- 4 investors who are Ameren Missouri customers as well.
- 5 Q. Okay. Do you know what percentage of your
- 6 shareholders are actually customers?
- 7 A. No, I don't.
- 8 Q. Do you know if it's a significant percent?
- 9 A. I -- I don't know the answer to that question.
- 10 Q. Let's look at your Schedule WW-E2, which is your
- 11 DR 14 and the response --
- 12 A. Yes.
- 13 Q. -- from the Staff.
- 14 A. I am there.
- Q. And that is essentially the same question that
- 16 you posed to Public Counsel as DR 13; is that correct, in
- 17 Exhibit 37?
- A. OPC 13 compared to PSC 14?
- 19 Q. Correct.
- 20 A. Yes. I'm looking at both of them.
- 21 Q. It's essentially the same question?
- 22 A. Yes, it is.
- 23 Q. Okay. And Mr. Rogers simply answered that
- 24 question yes?
- 25 A. Yes.

- 1 Q. Okay. And Public Counsel has a very different
- 2 take on that; is that not correct?
- A. I would concur.
- Q. Okay. So the data requests that you attached to
- 5 your surrebuttal testimony were intended to give the Commission
- 6 an idea that there was a general consensus among the parties
- 7 about these questions, was it?
- 8 A. No. It was expressing that our view and the
- 9 view of PSC Staff witness Rogers.
- 10 Q. Do you still have a copy -- and I'm switching
- 11 gears on you again, Mr. Wood.
- 12 A. Okay.
- 13 Q. Do you still have a copy of the -- the resource
- 14 plan filing?
- 15 A. Yeah, I do. I do.
- 16 Q. If you could turn to -- it's in the executive
- 17 summary.
- 18 A. Okay. I'm there.
- 19 Q. And I'm talking about the road map. It's in the
- 20 executive summary. I'm not sure exactly what page, but it's
- 21 also --
- 22 A. Page 21?
- 23 Q. -- in Chapter -- Chapter 10 on Page 15.
- 24 A. And Page 21 of the executive summary.
- 25 Q. Okay.

- 1 A. Yeah. Okay. It's the one that lays out
- 2 preferred resource plan and --
- 3 Q. Yes.
- 4 A. -- five contingencies?
- 5 Q. Correct. Yes.
- A. Yes. I'm there.
- 7 Q. And just looking essentially at the top layer of
- 8 the preferred resource plan, assume with me that on the same day
- 9 some time in the late spring of 2012 Ameren Missouri gets what
- 10 it considers to be adequate legislation addressing plant
- 11 financing solutions on the very same day that it gets a decision
- 12 from the Commission that -- that implements what Ameren Missouri
- 13 considers to be adequate DSM cost recovery solutions. Where do
- you go on this road map?
- 15 A. So basically if you had -- if I understand your
- question, it's if you had legislation or some other change in
- 17 support of financing of nuclear power plant versus -- so is
- 18 it --
- 19 Q. In addition to, not versus, but in addition to.
- 20 A. In addition to. So you have an approved MEEIA
- 21 filing on the same day. You know, and let's say this happens in
- 22 mid next year, if I understand.
- Q. Correct.
- A. Then we would need to, under the preferred
- 25 resource planning either -- actually either one of the two

- events you described would likely trigger a need to review our
- 2 integrated resource plan decision -- you know, decision tree and
- 3 then go back through the management discussion on where we
- 4 should go.
- 5 You know, you would -- would you likely move to
- one of the two or some combination of the two; yes. Today I
- 7 can't tell you which one you'd go to if they both happened.
- 8 Now, if one happened and the other didn't, then --
- 9 Q. And if -- if one of those two contingency plans
- 10 had a markedly lower PVRR would you choose that plan?
- 11 A. Are we saying all other factors equal in terms
- of economic development, environmental regulations, expectations
- 13 going forward, load growth, natural gas prices, coal prices?
- 14 All other things equal?
- 15 Q. Most of those would be taken into account in
- PVRR, not economic development, but the projected gas prices and
- 17 all that stuff would be taken into account.
- 18 A. Well, do you -- yeah. The economic development,
- let's say they're -- they're the -- well, they're probably not
- 20 the same, so I don't know if you can make that analogy, but if
- 21 economic development, you have environmental portfolio
- 22 diversity, you have rate impact, customer -- you know,
- 23 shortened -- you know the short term rate impact type of one
- 24 resource versus the other.
- 25 And then you have, you know, the financial

- 1 regulatory piece. If I understand your question is if so -- why
- don't you ask your question again, so I understand it.
- 3 Q. Let me ask a different question because I think
- I see where you're going here. Your approach at that point
- 5 would be to evaluate the same five decision criteria in
- 6 approximately the same way as you did in this plan and then
- 7 decide which contingency to move to; is that correct?
- 8 A. That -- if right now looking at data that is
- 9 what I would anticipate, yes.
- 10 Q. Okay. So in that circumstance, you would give
- 11 PVRR roughly the same weight that you did in the resource -- in
- 12 the initial -- in the final screening, but not the final
- decision of a preferred resource plan; is that correct?
- 14 A. You mean 30 percent weighting?
- 15 Q. Yes.
- 16 A. Well, as I sit here today, that's likely.
- 17 MR. MILLS: Okay. Judge, that's all the
- 18 questions I have.
- JUDGE WOODRUFF: Did you wish to offer 36 and
- 20 37?
- MR. MILLS: Yes, I do. Thank you. I'd like to
- 22 offer --
- JUDGE WOODRUFF: 36 and 37 have been offered.
- 24 Any objections to their receipt?
- 25 Hearing none, they will be received.

- 1 (Wherein; OPC Exhibit Nos. 36 and 37 were
- 2 received into evidence.)
- JUDGE WOODRUFF: We've been going now for two
- 4 and a half hours and we're ready for a break. I will go to
- 5 break before we go to commissioner questions. We'll come back
- 6 at -- let's call it 20 minutes at 11:10.
- 7 (Off the record.)
- JUDGE WOODRUFF: Let's come back to order,
- 9 please. And we're back from our break and the witness is still
- 10 on the stand. And I'll turn to Commissioner Kenney to see if
- 11 you have any questions.
- 12 EXAMINATION BY COMMISSIONER KENNEY:
- 13 Q. Just a few, Mr. Wood. Can you hear me okay?
- 14 A. I can hear you fine.
- 15 Q. I want to ask about the energy efficiency
- 16 component of the IRP planning process and ask you some questions
- 17 about that.
- 18 A. I'm not hearing some -- there's a little bit of
- 19 noise on this end. Sorry.
- JUDGE WOODRUFF: We're having a hard time
- 21 hearing you, Commissioner Kenney.
- 22 BY COMMISSIONER KENNEY:
- Q. Is that better?
- 24 A. Yes. That's better.
- 25 Q. Okay. Maybe I wasn't speaking clearly into the

- 1 microphone. Is it Ameren's opinion that measuring demand-side
- 2 efficiency on equivalent basis supply-side resources requires
- 3 Ameren to recover loss revenue?
- 4 A. There needs to be some mechanism to mitigate the
- 5 throughput disincentive. I think that's answering your question
- 6 with yes.
- 7 Q. And essentially in this particular -- this
- 8 particular docket, with Ameren's revised preferred plan, Ameren
- 9 doesn't choose as its preferred plan a plan including energy
- 10 efficiency and demand-side management because it doesn't have in
- 11 place yet an adequate revenue recovery mechanism?
- 12 A. Yeah. We have -- at this point in time, we're
- 13 at a lull -- a lull between when the MEEIA rules were
- implemented, approval of a MEEIA filing and implementation of
- 15 pursuing RAP DSM energy savings. So at this point in time, yes.
- Q. Are you able to give a preview of what the lost
- 17 revenue recovery mechanism will look like?
- 18 A. From a high level, I mean, we have the approval
- of a three-year plan to pursue RAP DSM energy savings. You
- 20 know, so once that approval's in place, we would be pursuing
- 21 what we view of as all cost effective DSM energy savings. The
- 22 goal specifically outlined in MEEIA, the expenditure levels are,
- 23 I believe -- you know, what we would look at in those three-year
- 24 timeframes, as I recall. But once again, the filing's under
- development right now, so these are tentative.

- 1 You know, 33 million the first year, 43 the next
- 2 year and 62 the third year. Something on the order of \$140
- 3 million. You know, roughly double what we had put in the last
- 4 three years.
- 5 Q. And have you estimated how much lost revenue
- 6 that will amount to?
- 7 A. I -- no. I don't have that number with me right
- 8 now. Some of the other subsequent witnesses might.
- 9 Q. I'm sorry?
- 10 A. Some of the subsequent witnesses might. I do
- 11 not have that number.
- 12 Q. Would you agree with me that a robust energy
- efficiency spend can albeit the need to build a new plant in th
- 14 first place?
- 15 A. It can -- it can certainly delay or reduce the
- size of a plant that might be needed in the future.
- 17 Q. And are there cost savings to be realized as a
- 18 result of that not having to build a plant?
- 19 A. There certainly can be and -- as compared to --
- depending on the cost, of course, of the energy efficiency
- 21 program itself.
- Q. Okay. And who do you think might know how much
- 23 lost revenue would be associated with that \$100 million figure
- in energy efficiency?
- 25 A. Well, as part of the development of our MEEIA

- filing, we would be pur-- and -- the answer is I don't know who,
- 2 but I know as part of our MEEIA filing development we would need
- 3 to propose a shared net benefit mechanism to deal with the
- 4 throughput disincentive and in those calculations we would have
- 5 some expectation of what that -- what that lost revenue
- 6 component looks like.
- 7 So it -- I anticipate we would have something
- 8 like that in our MEEIA filing, but I don't -- I don't know that
- 9 the witnesses here today necessarily have that.
- 10 COMMISSIONER KENNEY: Okay. Thank you.
- JUDGE WOODRUFF: Anything else, Commissioner?
- 12 COMMISSIONER KENNEY: No, thank you. I'm
- 13 finished.
- 14 JUDGE WOODRUFF: Okay. Recross based on
- 15 questions from the bench, then? Beginning with Staff.
- MR. WILLIAMS: No questions.
- JUDGE WOODRUFF: NRDC?
- 18 MR. FISK: No questions.
- 19 JUDGE WOODRUFF: MIEC? She's not there.
- 20 MDNR?
- MS. FRAZIER: No questions.
- JUDGE WOODRUFF: Public Counsel?
- MR. MILLS: Just very briefly.
- 24 RECROSS-EXAMINATION BY MR. MILLS:
- 25 Q. Mr. Wood, with respect to the MEEIA filing that

- 1 you're developing, have you -- have you consulted or worked with
- 2 at all KCPL or KCPL GMO to see what aspects of your filing are
- 3 similar to theirs or different from theirs? Has there been any
- 4 kind of coordination at all?
- 5 A. We have -- we have contacted them to see if
- 6 we -- you know, we're trying to interpret what the MEEIA rules
- 7 require and understand the general structure of maybe -- you
- 8 know, if it wasn't cert and see what their understanding of that
- 9 meant for -- in terms of that sort of coordination, yes.
- 10 MR. MILLS: Okay. That's all I have. Thanks.
- 11 JUDGE WOODRUFF: Chairman Gunn is also watching
- 12 the hearing over the Internet.
- 13 THE WITNESS: Okay.
- JUDGE WOODRUFF: He has sent me a question, so
- 15 I'll go back and ask that for him.
- THE WITNESS: Okay.
- JUDGE WOODRUFF: Would Mr. Wood agree that in
- order to recover lost revenue there has to be a nexus between
- 19 the implementation of the energy efficiency programs and the
- 20 lost revenue?
- THE WITNESS: Yes.
- JUDGE WOODRUFF: Okay. Anyone else wish to
- 23 recross based on that question?
- 24 All right. We'll move to redirect.
- MR. BYRNE: Just a few, Your Honor.

- 1 REDIRECT EXAMINATION BY MR. BYRNE:
- Q. Earlier today Mr. Fisk was asking you some
- 3 questions about how having different -- increasing the number --
- I guess we have five decision factors. Is that what they are?
- 5 Five --
- A. Decision criteria.
- 7 Q. Decision criteria. Sorry. It escaped my mind.
- 8 And Mr. Fisk was asking if you increase the number of decision
- 9 factors -- I think the point he was making is it would diminish
- 10 the impact of PVRR analysis. Do you recall those questions?
- 11 A. I do.
- 12 Q. I mean, as a practical matter is it -- is it
- 13 likely that you're going to come up with a huge number of
- 14 decision criteria?
- 15 A. No. If you -- if you tried to make that a very
- large number, I think at some point in time it would be
- 17 relatively transparent to other parties what you were doing.
- And there was an effort to minimize but make sure they were all
- 19 relevant factors, criteria in this case.
- Q. Okay. And earlier in the day you were asked
- 21 about -- you were asked about if the MEEIA filing -- if our
- 22 MEEIA filing is approved --
- 23 A. Yes.
- 24 Q. -- and would we change our preferred plan. And
- 25 I think you said as you're sitting here today -- I think you

- said it would be likely, but as you're sitting here today that
- 2 you can't -- you can't commit to that. Do you recall that?
- A. I do recall that.
- 4 Q. Can you explain what we would commit to if the
- 5 MEEIA filing is approved?
- A. Well, if the MEEIA filing was approved the net
- 7 effect of answering the question is preferred resource plan yes
- 8 or no is the same in terms of our investment commitment. We
- 9 would be looking at pursuing three-year RAP DSM energy savings.
- 10 Once it was approved, we'd be obviously committed to pursue that
- 11 effort and you know, that would include investment levels of the
- 12 33, 43 and \$62 million and all the other aspects that go along
- with that MEEIA commitment.
- So yeah. I would want to clarify if we made
- 15 that commitment, it's a three-year commitment to pursue RAP DSM
- 16 energy savings.
- 17 Q. Okay. I think earlier today Mr. Mills was
- 18 walking through the -- walking you through the four
- 19 recommendations in Mr. Rogers' testimony.
- 20 A. Yes.
- Q. Do you recall that?
- 22 A. I do.
- 23 Q. And on Recommendation No. 1 -- and I don't know.
- Do you have Mr. Rogers' testimony with you?
- 25 A. I have it -- I have those recommendations

- 1 memorized. Go ahead.
- Q. Okay. Well, on Recommendation No. 1 I think you
- 3 said the answer was part yes and part no.
- 4 A. Yes.
- 5 Q. And you know, Mr. Mills properly said okay. Cut
- 6 you off there. I guess I'd like you to explain, if you would,
- 7 why it's part yes and part no.
- 8 A. Okay. The first half of Mr. Roger's -- the
- 9 first recommendation was do you agree to minimize PVRR as your
- 10 primary selection criterion. Yes. We believe we did that. The
- 11 second half is make it the -- the objective of the resource
- 12 planning process. And I believe the commitment there is
- 13 inconsistent with the stated primary objective in 4 CSR
- 14 240-22.010 Sub 2. And so I wouldn't agree to that second half
- of the first recommendation.
- 16 Q. I -- also earlier today Mr. Mills was asking you
- some questions about the health impact of -- I think it was of
- 18 coal -- operating a coal plant.
- 19 A. Yes.
- 20 Q. And he asked you if even -- you know, if
- 21 reducing coal -- you know, running of coal plants would improve
- 22 human health and I think you hesitated in your answer. Why did
- you hesitate in your answer on that?
- 24 A. I'm glad you asked the question. I -- you know,
- 25 it wasn't clear what the hesitancy is about and it's just as

- 1 simple as this: You know, I -- you know, fortunately in some
- 2 past work I've done some overseas, USA emission work in Africa.
- 3 I've seen some information on -- on if -- on where people have
- 4 access to reliable and affordable electricity and where they
- 5 don't.
- And there's a dramatic difference in the quality
- of life where people have access to affordable electricity. And
- 8 to take one single issue like coal emissions and say that would
- 9 result in a different quality of life for people without
- 10 considering the impact on cost of electricity and quality of
- 11 life associated with access to affordable power, doesn't tell
- 12 the whole story. And so that was my -- that was why I hesitated
- in answering the question as I did.
- Q. Okay. Ms. Frazier asked you a question and I
- 15 think -- I'm summarizing it, but I think the upshot of it was:
- 16 Why are you -- why are you assuming that you're not going to get
- full cost recovery? Do you recall that question?
- 18 A. I do.
- 19 Q. And I quess my question is: Under the current
- 20 regulatory framework that we have today, are we getting full
- 21 cost recovery for energy efficiency?
- 22 A. No. In particular, the throughput disincentive
- and the way the billing unit adjustments work themselves through
- 24 future rate cases, once those lost revenues -- you know, those
- ongoing lost revenues right now, that throughput disincentive,

- there really isn't a mechanism in place right now to recover
- 2 those. They are an ongoing loss that there will likely not be
- 3 an opportunity to recover.
- 4 Q. And is that had a practical impact on Ameren
- 5 Missouri?
- A. The expectation is a little over \$50 million.
- 7 MR. BYRNE: Thank you. I have no further
- 8 questions.
- JUDGE WOODRUFF: Mr. Wood, you may step down.
- 10 THE WITNESS: Thank you.
- 11 (Witness excused.)
- JUDGE WOODRUFF: Ameren can call its next
- 13 witness.
- MS. TATRO: Rick Voytas.
- JUDGE WOODRUFF: Good morning, Mr. Voytas.
- 16 Please raise your right hand.
- 17 (Witness sworn.)
- JUDGE WOODRUFF: You may inquire.
- MS. TATRO: Thank you.
- 20 RICHARD VOYTAS testifies as follows:
- 21 DIRECT EXAMINATION BY MS. TATRO:
- 22 Q. Please state your name and business address for
- 23 this commission.
- 24 A. Yes. My name is Richard A. Voytas. My business
- 25 address is 1901 Chouteau Avenue, St. Louis, Missouri.

- 1 Q. Mr. Voytas, by whom are you employed and what do
- 2 you do?
- 3 A. I'm employed by Ameren Services. My title is
- 4 manager of energy efficiency and demand response.
- 5 Q. And are you the same Richard Voytas who caused
- 6 to be filed surrebuttal consisting of 43 pages and six schedules
- 7 in November of this year?
- 8 A. Yes, I am.
- 9 Q. Do you have any corrections or additions to make
- 10 to your testimony?
- 11 A. Not at this time.
- 12 Q. And if I were to ask you the same questions that
- are contained within your prefiled testimony, would your answers
- 14 be substantially the same?
- 15 A. Yes.
- 16 MS. TATRO: I would move -- I believe it's
- 17 Exhibit 4 into the record and tender Mr. Voytas for
- 18 cross-examination.
- JUDGE WOODRUFF: Exhibit 4 has been offered.
- 20 Any objections to it's receipt?
- Hearing none, it will be received.
- 22 (Wherein; Company Exhibit No. 4 was received
- 23 into evidence.)
- JUDGE WOODRUFF: For cross-examination we begin
- 25 with Staff.

- 1 MR. WILLIAMS: No questions.
- JUDGE WOODRUFF: All right. NRDC?
- MR. FISK: Yes. Thank you, Your Honor.
- 4 CROSS-EXAMINATION BY MR. FISK:
- 5 Q. Hello, Mr. Voytas.
- 6 A. Good morning.
- 7 Q. How are you doing?
- 8 A. Fine. Thank you.
- 9 Q. Good. I just had a few questions for you. Do
- 10 you have your surrebuttal testimony in front of you?
- 11 A. Yes, I do.
- 12 Q. If you could start on Page 5, towards the bottom
- of the page around Line 22. You refer to the national action
- plan for energy efficiency. Do you see that reference?
- 15 A. Yes.
- Okay. And in your discussion that then goes
- over on to Page 6, you refer to the fact that NRDC's witness
- Phil Mosenthal was a project manager and co-author of that
- 19 guide. Do you see that?
- 20 A. Yes, I do.
- 21 Q. And in your mind, what is the -- what is the
- 22 relevance of that fact?
- 23 A. We were talking about the aspects of maximum
- 24 achievable potential and one of the aspects is the infinite
- 25 budget assumption. And that's the document that I used to

- 1 reference that.
- 2 Q. Okay.
- 3 A. That's it.
- Q. Okay. And the document is attached to your
- 5 testimony; is that correct, as RAVE, R-A-V-E 2?
- A. Yes.
- 7 Q. Okay. And do you have a copy of that?
- A. No, I do not.
- 9 MR. FISK: May I approach, Your Honor?
- JUDGE WOODRUFF: You may.
- 11 THE WITNESS: Thank you.
- 12 BY MR. FISK:
- 13 Q. I handed you a copy of the RAVE2. Which is the
- 14 national -- national action plan for energy efficiency; is that
- 15 correct?
- 16 A. Yes.
- 17 Q. Okay. And if you could turn to Page Roman
- Numeral IV. It's the acknowledgements page.
- 19 A. Yes.
- Q. Do you see that. Okay.
- 21 A. Yes.
- 22 Q. And there -- that first paragraph refers to the
- 23 national action plan being part of a work plan that was
- developed by the action plan leadership group. Do you see that?
- 25 A. Yes, I do.

- 1 Q. Okay. And then on the second paragraph after
- 2 the reference to Phil Mosenthal being a co-author, it refers to
- 3 direction and comments by the action plan leadership group into
- 4 the report; is that correct?
- 5 A. Yes.
- 6 Q. Okay. And it says a full list -- in Paragraph 2
- 7 it says a full list of the leadership -- leadership group
- 8 members is in Appendix A?
- 9 A. Yes.
- 10 Q. And if you turn to Appendix A there's the
- listing of the members of the leadership group.
- 12 A. Yes.
- Q. Okay. And could you read the name, title and
- 14 utility that the -- on the bottom, right corner of -- which is a
- member of the leadership group?
- 16 A. The bottom --
- 17 Q. On Page A-1.
- 18 A. On Page A-1? Michael Moehn, vice president of
- 19 corporate planning, Ameren Services.
- Q. So Ameren also had a role in this -- this
- 21 national action plan for energy efficiency?
- 22 A. In the review of the plan, yes.
- Q. All right. And you referred to the unlimited
- 24 budget, I believe?
- 25 A. Infinite budget assumption.

- 1 Q. Infinite budget. Okay. And what -- what, in
- 2 your mind, is meant by that?
- 3 A. By that is meant there's not budget assumption.
- 4 I mean, it is what it is. If there's energy efficiency that can
- 5 be achieved for -- let's just say an out there number -- a
- 6 billion dollars then it's a billion dollars.
- 7 Q. Okay. So your understanding is that the
- 8 infinite budget is not limited in any way by whether or not that
- 9 spending is cost effective?
- 10 A. Well, yeah. It's limited by what's cost
- 11 effective, but I think, you know, in reality what a limited
- 12 budgeted -- what a budget assumption is under maximum achievable
- 13 potential considerations is perhaps defined as what the maximum
- 14 that's been out there by leading states might be. I think that
- is the reality.
- Q. And so your understanding of maximum achievable,
- 17 which is MAP, is what the leading states are doing as opposed to
- an infinite budget or unlimited budget?
- 19 A. Well, I think my testimony pretty clearly states
- 20 what our understanding of MAP is and it's representative of the
- 21 best practices of the best states in the country.
- 22 Q. Should -- is the MAP that was used by Ameren in
- 23 this proceeding -- did it assume an unlimited budget or an
- 24 infinite budget?
- 25 A. It did not.

- 1 Q. Okay. It did not. And would an increase in the
- 2 budget assumptions for the MAP lead to a larger amount of energy
- 3 saved on the MAP?
- A. Not according to our research.
- 5 Q. And why not?
- A. Because our research got into customer
- 7 psychographics and how they make their decisions about energy
- 8 purchases and it basically spoke to a number less than 100
- 9 percent of the incremental cost of what was necessary to get
- 10 customers to go to that next level.
- So there'd be absolutely no reason to pay 100
- 12 percent of incremental cost if that same amount of energy
- 13 efficiency could be obtained for less than that.
- Q. All right. And do you know, is that consistent
- 15 with the findings of the national action plan for energy
- 16 efficiency?
- 17 A. The best states, I don't know if they're paying
- 18 100 percent of incremental costs for their efficiency. I'd be
- 19 surprised if they are.
- Q. How about the national action plan?
- 21 A. What's your question on the national action
- 22 plan?
- 23 Q. Is the assumption that an unlimited or infinite
- 24 budget would not lead to an increase in the amount of energy
- 25 savings from MAP consistent with the assumptions about infinite

- 1 budgets in the national action plan?
- A. Well, it's not just about budget; it's about the
- data that you have on hand, how you determine that budget, so I
- 4 don't think I can answer that question. If the data that you
- 5 have on hand says that you can achieve a maximum amount of
- 6 energy efficiency with a certain budget, there's no reason to
- 7 pay more than that budget to achieve the same amount of energy
- 8 efficiency.
- 9 Q. All right. And also on Page 5 of your testimony
- 10 you refer to -- starting on Line 4 -- the conditions that would
- need to exist in order to achieve MAP; is that correct?
- 12 A. That's correct.
- Q. Okay. And what role did -- you refer to
- 14 regulatory framework.
- 15 A. Yes.
- 16 Q. And what role did the regulatory framework
- 17 considerations play in distinguishing in the IRP between MAP and
- 18 RAP?
- 19 A. You know, in the IRP and our MAP selection
- 20 process that particular framework did not have a role. But that
- 21 is the framework that the states -- for instance the top 10
- 22 states in the ACAAA scorecard -- that's the framework that they
- 23 have in place that enables them to achieve the levels of energy
- 24 efficiency that they are achieving.
- 25 Q. So the regulatory framework did not play a role

- in MAP versus RAP in the IRP?
- 2 A. That's correct.
- 3 Q. Okay. Did it play a role in the distinction
- 4 between RAP and the low risk puzzle?
- 5 A. No.
- 6 Q. Okay.
- 7 A. From -- from my team's perspective in developing
- 8 these plans, it did not. Now, my team passes these plans onto
- 9 the integration team who takes it another step. But from my
- 10 perspective, it did not.
- 11 Q. All right. So in your team's perspective, what
- 12 would be -- what would be needed to go from the low risk plan to
- the RAP plan in terms of energy effi-- or DSM?
- 14 A. I'd like to answer this the best way I can, but
- that really is not in my purview. We developed the plans,
- realistic, maximum achievable. On low risk, that was a budget
- 17 limited plan for which we're giving the budget assumptions to
- develop. We don't have a say so in the selection of those
- 19 plans.
- 20 Q. So you weren't involved in that?
- 21 A. That's correct.
- 22 Q. And in -- in your opinion what would be needed
- 23 to go from the RAP to the MAP level of DSM savings?
- 24 A. In my opinion the items that I've listed on Page
- 5 of my testimony, Line 6 through Line 21 would be needed.

- 1 Q. Okay. I guess I'm confused because I thought
- 2 earlier you testified that the regulatory framework did not play
- 3 a role in RAP versus MAP?
- 4 A. It doesn't in the design of that number, what
- 5 that level is. I thought your question applied to
- 6 implementation what would make Ameren Missouri implement MAP.
- 7 And so that's why I referred to this section. But the -- this
- 8 regulatory framework consideration did not enter into our
- 9 estimation of a level of MAP.
- 10 Q. Will you turn to Page 11 of your testimony. The
- 11 very top of the page, Figure 4. Do you see that?
- 12 A. Yes, I do.
- 13 Q. Okay. And it has a series of states and the
- level of savings that they -- that those states achieved in 2008
- and 2009; is that correct?
- 16 A. That's correct.
- 17 Q. Okay. And do you know if the programs in the
- states listed here are designed to capture all reasonably
- 19 achievable efficiency?
- 20 A. Can you define what reasonably achievable
- 21 efficiency means?
- 22 Q. In terms of how it's defined in the IRP.
- 23 A. The IRP doesn't define it.
- 24 Q. Okay. The RAP, realistically achievable.
- 25 A. Do I know if these --

- 1 Q. Yes.
- 2 A. -- bars represent RAP?
- Q. Right.
- A. I don't know.
- 5 Q. Okay. Do you know if they represent MAP?
- 6 A. No.
- 7 Q. Okay. Do you know if -- strike that.
- 8 And do you know whether the states listed in
- 9 Figure 4 are -- have assumed unlimited budgets for the DSM
- 10 programs?
- 11 A. No.
- Q. Okay. Do you know whether they -- whether the
- 13 states listed in Figure 4 mandate all cost effective achievable
- 14 energy efficiency?
- 15 A. What do you mean by mandate?
- 16 Q. Are the -- are the utilities in the states
- 17 listed here required to pursue all cost effective achievable
- 18 energy efficiency?
- 19 A. So you're talking about -- you're talking about
- there's financial consequences if they do not?
- 21 Q. Sure.
- 22 A. I'm not aware that they have financial
- 23 consequences if they do not achieve those levels.
- Q. Okay. Do you know of any requirements in those
- 25 states to -- for the utilities to achieve all cost effective

- 1 energy efficiency?
- 2 A. Well, I know that there's a portion of those
- 3 states that have energy efficiency resource requirements that
- 4 are set as quidelines, but I don't know that they're mandates.
- 5 Q. Okay. And you -- you state at Line 3 to 4 --
- 6 referring to Figure 4 on Page 11 -- that it shows that the
- 7 leading states have seen precipitous declines in electric energy
- 8 efficiency load reductions in 2009 relative to 2008. Do you see
- 9 that?
- 10 A. Yes.
- 11 Q. Okay. And out of the top five states listed on
- Figure 4, how many of them had greater savings in 2009 than
- 13 2008?
- 14 A. Let me -- let me just go through the first five.
- 15 It looks like the first state, Vermont's decline was about a 1
- 16 precent. It looks like Nevada was up about a quarter of a
- 17 percent. It looks like Hawaii was down about 1 percent. It
- 18 looks like Rhode Island was up about a quarter of a percent.
- 19 And it looks like Massachusetts was up about a quarter of a
- 20 percent.
- 21 Q. So that's three out of five of them actually saw
- an increase in efficiency savings from 2009 over 2008?
- 23 A. Yeah. Those states finally started to achieve
- 24 close to 1 percent.
- 25 Q. Okay. And out of the top 10 states listed on

- 1 Figure 4, how many of them saw an increase in the amount of
- 2 savings in energy efficiency in 2009 over 2008?
- A. All right. Well, we'll go -- one, two, three,
- 4 four, five, six. It looks like Iowa had a slight increase. It
- 5 looks like the next one was California, had a decrease. It
- 6 looks like Wisconsin had a slight increase. It looks like
- 7 whoever the next one had a slight increase. It looks like
- 8 Connecticut had a decrease.
- 9 Q. So out of that, the majority of the top 10
- 10 states actually saw an increase in their -- in their energy
- 11 efficiency savings in 2009 over 2008; is that correct?
- 12 A. I think the states that experienced a
- decrease -- the amount of the decrease was far greater than the
- 14 states that experienced an increase. But other than that, yeah.
- 15 There was -- in the top five again, three out of five had slight
- 16 increases.
- 17 Q. So once again, my question was the majority of
- 18 the top ten states saw an increase in their energy savings I
- 19 2009 over 2008; is that correct?
- 20 A. Based on the data in Figure 4, yes.
- Q. Okay. On Pages 11 to 12, towards the bottom of
- 22 the -- starting at -- towards the bottom of Page 11, you refer
- 23 to dozens of higher energy efficiency standards imposed by
- 24 federal legislation. Do you see that?
- 25 A. Yes, I do.

- 1 Q. Okay. And I believe your point here is that it
- 2 is more difficult for the utility to achieve energy efficiency
- 3 savings because of the federal standards? Energy efficiency
- 4 savings that are attributable to their programs.
- 5 A. Not necessarily. I think what it means is that
- 6 those opportunities go away. When a -- when the federal
- 7 government codifies a baseline efficiency for which utilities
- 8 can no longer offer programs, those opportunities go away and
- 9 the utility has to look elsewhere. That's what I mean.
- 10 Q. And have you quantified the impact of that -- of
- 11 those federal standards on the ability of a utility to achieve
- savings through energy efficiency programs?
- 13 A. The -- part of the -- our DSM potential study
- included a scenario analysis with more aggressive building codes
- 15 and standards. So yes, we've quantified that. We've also
- looked at the impact on our programs for those that -- these
- 17 main ones that I've just mentioned. And I guess the most
- 18 glowing aspect is the new information that's coming out, the new
- 19 potential studies that are coming out today as we speak, are
- showing severe impacts with 20 to 30 percent reductions in
- 21 achievable potential, so yes.
- 22 Q. Do the federal efficiency energy standards?
- A. In part.
- 24 Q. And do you know if Ameren is then factoring the
- 25 impact of those federal efficiency energy standards into its

- load forecasts?
- 2 A. Yes.
- 3 Q. Yes, you do know or yes they are.
- A. Yes, they are.
- 5 Q. Were you involved in that?
- A. I'm not involved in the forecasting process.
- 7 Q. And I asked Mr. Wood earlier today about the
- 8 amount of lost revenue for Ameren if they pursued the RAP plan,
- 9 DSM plan versus low risk plan. And he was not aware of the
- 10 figure but thought that either yourself or Mr. Michaels might
- 11 know. Do you know that figure?
- 12 A. You're speaking in reference to the RAP plan and
- the IRP filing?
- 14 Q. Yes.
- 15 A. I don't know that figure.
- 16 Q. Do you know if anybody calculated that figure?
- 17 A. I don't know.
- 18 MR. FISK: Nothing further.
- 19 JUDGE WOODRUFF: For MIEC?
- MS. VUYLSTEKE: No questions.
- JUDGE WOODRUFF: For DNR?
- 22 MS. FRAZIER: Thank you. I just have one
- 23 question.
- 24 CROSS-EXAMINATION BY MS. FRAZIER:
- 25 Q. Can you identify which potential studies are

- showing 10 to 20 percent reductions in achievable potential?
- 2 A. California has recently put out its first draft
- of a 2011 DSM potential study. The prior study was done in 2008
- 4 and that'll show that the technical and economical potential is
- 5 20 to 30 percent less and that's the most recent one that I've
- 6 reviewed.
- 7 Q. Can you identify any others?
- 8 A. Not at this time.
- 9 MS. FRAZIER: Thank you.
- 10 JUDGE WOODRUFF: And for Public Counsel?
- 11 MR. MILLS: Just a few. Thank you.
- 12 CROSS-EXAMINATION BY MR. MILLS:
- Q. Good morning, Mr. Voytas.
- A. Good morning.
- 15 Q. Do you believe that the experience in California
- is applicable to Missouri and specifically Ameren Missouri
- 17 service territory?
- 18 A. What experience are you talking about?
- 19 Q. The one you just referred to.
- 20 A. The DSM potential study?
- 21 Q. Yeah.
- 22 A. I believe that the basics of the potential
- 23 study, the codes and standards reducing the available potential
- 24 and another thing the California study clearly shows is the law
- of diminishing returns. There's a graph in the study showing

- the annual incremental benefits attributable to energy
- 2 efficiency are going down over time. Yes. I believe those are
- directly compatible with Ameren Missouri.
- 4 Q. Doesn't California have some significantly more
- 5 stringent state level energy efficiency requirements and
- 6 standards than Missouri does?
- 7 A. Can you give me an example?
- 8 Q. Building codes.
- 9 A. I don't know what California's building codes
- 10 are.
- 11 Q. Okay. Do you know what Missouri's building
- 12 codes are?
- 13 A. I don't believe Missouri has building codes.
- 14 Q. Hasn't California just in general terms been
- 15 pursuing energy efficiency and demand-side management much more
- aggressively than Missouri has for about a decade?
- 17 A. I think that's an accurate statement.
- 18 Q. Are you familiar with the requirement or the
- 19 goal in MEEIA to achieve all effective -- all cost effective
- 20 demand-side management?
- 21 A. Yes, I am.
- Q. Does that include all cost effective demand
- response?
- 24 A. What do you mean by all cost effective?
- 25 Q. Demand response that reduces PVRR.

- 1 A. So the question is do I think that the
- 2 requirements of MEEIA allow -- require that we pursue all cost
- 3 effective demand response?
- 4 O. Yes.
- 5 A. I thought the requirements of MEEIA stated -- or
- at least the Commission's rules implementing MEEIA stated
- 7 specific goals to achieve. But in terms of meeting all cost
- 8 effective, I think that's part of the integration process where
- 9 we determine what passes the benefit/cost -- I'm sorry -- my
- 10 team, which does the analytics determines what passes the
- 11 benefit/cost test and that gets passed on to integration who
- decides how those will be integrated into the plan.
- Q. So you don't know. Is that the answer?
- 14 A. I think that -- the answer to that is outside of
- my purview. So yes, I don't know. I'm sorry.
- Q. Are you aware that at least for the -- the
- 17 purposes of this case that the company included demand response
- only in years in which there was a capacity shortfall?
- 19 A. Yes, I am.
- Q. Do you believe that that treatment is the proper
- 21 way to minimize PVRR?
- 22 A. I don't have an opinion on that. I think
- 23 there's -- there's different ways that can be looked at. The
- 24 integration team had a perspective and they use that. The
- 25 beautiful thing about demand response is that it's modular. It

- can be put in in almost any size at any time relatively quickly.
- 2 So to the extent that there's a pressing need at some point in
- 3 the future, it could be done relatively quickly. But again,
- 4 I -- you know, I'd have to look at all the decisions like our
- 5 integration team does to come up with that.
- Q. With respect to the response in your testimony
- 7 to Public Counsel witness Tim Wolfe about the elimination of MAP
- 8 too early in the process. Do you recall your response there?
- 9 A. Can you give me a reference in my testimony,
- 10 please?
- 11 Q. Yeah. It starts at about Page 8.
- 12 A. I'm on Page 8 of my surrebuttal testimony, but I
- don't see it there.
- Q. Okay. Well, let me just ask you in general, do
- 15 you recall Mr. Wolfe's criticism of the company for eliminating
- MAP too early in the process?
- 17 A. No. I don't really recall that. What I recall
- 18 is that Mr. Ma-- Mr. Wolfe said that MAP was too low and he used
- 19 the information from the ACAAA states' scorecard to make his
- 20 point. That's what I recall from his testimony.
- 21 Q. When in the process did the company eliminate
- 22 MAP consideration?
- 23 A. I don't know. That's beyond my purview.
- 24 Q. Do you believe that MAP and RAP performed
- 25 similarly in terms of PVRR over the planning horizon?

- 1 A. Well, you know, the numbers are out there and I
- 2 don't recall them. I know the total resource cost test to
- 3 benefit/cost test ratio for MAP is lower than it is for RAP, but
- 4 I -- I don't recall those numbers but, you know, they're public
- 5 information. I just don't recall them.
- 6 Q. Okay. But the PVRR of MAP is greater than the
- 7 PVRR of RAP. You just don't recall the delta; is that correct?
- 8 A. I don't recall those specifics at this time, no.
- 9 Q. You don't recall whether one is greater than the
- 10 other?
- 11 A. On the PVRR basis?
- 12 O. Yes.
- 13 A. No. There's been a lot of water under the dam,
- 14 but I don't recall that.
- 15 Q. Okay. Do you recall whether there's a
- difference in terms of energy savings between MAP and RAP?
- 17 A. There's greater energy savings with MAP.
- 18 Q. And in fact that you got a figure here on Page
- 19 13 of your testimony shows that difference; is that correct?
- 20 A. That's correct.
- 21 Q. And do you recall that MAP is expected to save
- 22 capacity with respect to MAP over the -- over the long term of
- 23 the planning horizon?
- 24 A. Definitely. If the energy savings are greater,
- 25 the demand savings are also greater.

- 1 MR. MILLS: That's all the questions I have.
- 2 Thank you.
- JUDGE WOODRUFF: Questions from the bench,
- 4 Commissioner Kenney.
- 5 EXAMINATION BY COMMISSIONER KENNEY:
- Q. Mr. Voytas, how are you?
- 7 A. Good morning, Commissioner.
- 8 Q. Would you be responsible for planning the DSM
- 9 programs that will be proposed in Ameren's MEEIA filing?
- 10 A. Yes. My team did the analytics around those
- 11 programs, the benefit/cost ratio and those aspects of it. Not
- 12 the implementation but the program designed the analytics, so
- 13 yes to your question.
- Q. Would you also be responsible for designing and
- planning the lost revenue recovery mechanism?
- 16 A. No. I am not.
- 17 O. Who would be responsible for that?
- 18 A. Our corporate planning group, specifically Bill
- 19 Davis is the person who is responsible for calculating the lost
- 20 revenues.
- 21 COMMISSIONER KENNEY: Okay. I don't have any
- 22 other questions. Thank you.
- THE WITNESS: Thanks.
- JUDGE WOODRUFF: Mr. Voytas, I'm a little
- confused about something that you've been testifying about and

- 1 it concerns the reduction in the achievable potential impact of
- 2 federal standards for DSM potential standards. Can you explain
- 3 that more fully for me?
- 4 THE WITNESS: Definitely, Judge. I'll take the
- 5 most ubiquitous standard that's out there and CFL, compact
- 6 florescent light bulbs, have been the Number 1 energy efficiency
- 7 measure for all utilities across this nation for the past 10
- 8 years. Most portfolios -- utility portfolios attribute 70 to 80
- 9 to 90 percent of their portfolio savings to compact florescent
- 10 light bulbs.
- 11 The Energy Independence And Security Act of 2007
- 12 mandated that these incandescent bulbs be phased out of
- production beginning in January of 2012 and that this phase out
- will be complete by 2014. At that point consumers will have no
- choice but to buy more efficient bulbs.
- 16 Therefore utilities will have to look to other
- 17 measures, other things to get their savings. So the impact of
- 18 codes and standards was basically to remove that measure -- or a
- 19 large portion of that measure -- from our portfolio.
- 20 Did I --
- JUDGE WOODRUFF: Okay. I think I understand.
- THE WITNESS: Okay.
- JUDGE WOODRUFF: The savings are still there,
- 24 they just can't be counted as savings by the utility any more?
- 25 THE WITNESS: Perfect -- perfect. That's

- 1 correct.
- JUDGE WOODRUFF: Okay. I thought that's what it
- 3 meant, but I wanted to be sure.
- 4 THE WITNESS: Okay.
- 5 JUDGE WOODRUFF: Any questions based on
- 6 questions from the bench?
- 7 I see Mr. Mills raised his hand. Go ahead.
- 8 MR. MILLS: Just briefly.
- 9 RECROSS-EXAMINATION BY MR. MILLS:
- 10 Q. You identified in response to a question from
- 11 Commissioner Kenney that Bill Davis is responsible for
- 12 calculating the lost revenue. Does Mr. Michaels, who's a
- 13 witness in this case, also have a responsibility in that
- 14 calculation?
- 15 A. Mr. Davis reports to Mr. Michaels.
- 16 Q. And in response to the question that Judge
- Woodruff asked you, you said that some utilities have up to 90
- 18 percent of the savings attributable to CFLs. What is the
- 19 percentage for Ameren Missouri?
- 20 A. In the last three-year implementation plan, the
- 21 bulk of Ameren Missouri savings came from CFLs. I would have to
- 22 say that that number will also be in that 80 to 90 percent
- 23 range.
- 24 Q. Is that from total savings or is that just
- 25 residential?

- 1 A. Well, lighting in our business portfolio counts
- 2 for about 75 percent of the business savings and the residential
- 3 portfolio probably account for 80 to 90 percent. You weight
- 4 those two 50 percent a piece approximately. It'll come out to
- 5 be about 80 percent.
- 6 MR. MILLS: Okay. That's all I have. Thanks.
- JUDGE WOODRUFF: Redirect?
- 8 MS. TATRO: I have no questions. Thank you.
- JUDGE WOODRUFF: All right. Mr. Voytas, you may
- 10 step down.
- 11 (Witness excused.)
- 12 JUDGE WOODRUFF: And it's almost noon, so we'll
- 13 take a break for lunch and we'll come back at one o'clock.
- 14 (Off the record.)
- 15 (Wherein; Green Belt Exhibit No. 38 was marked
- 16 for identification.)
- 17 JUDGE WOODRUFF: We are back from lunch. I
- 18 believe there's some matters we want to take up before we go to
- 19 the next witness.
- MS. TATRO: Yes. At your request I printed a
- 21 copy of the comments that were filed by Green Belt Express Clean
- Line this afternoon. I think that's their name. And attached
- 23 the affidavit of Mr. Berry who was attesting to those comments.
- 24 I gave it to the court reporter and she has marked that as
- 25 Exhibit 38, I believe.

- JUDGE WOODRUFF: All right. This is -- comments
- 2 were filed by Green Belt, which is one of the parties to the
- 3 case that have been excused from the hearing. I'll take that as
- 4 an offering of the document by Green Belt, not by Ameren. Does
- 5 anybody have any objection to that document being received into
- 6 evidence?
- 7 Hearing no objection, it will be received.
- 8 (Wherein; Green Belt Exhibit No. 38 was received
- 9 into evidence.)
- 10 JUDGE WOODRUFF: All right. I believe we can
- 11 move on to our witness then.
- MS. TATRO: Mr. Michaels.
- 13 JUDGE WOODRUFF: Good afternoon, Mr. Michaels.
- 14 Please raise your right hand.
- 15 (Witness sworn.)
- JUDGE WOODRUFF: Thank you. You may inquire.
- 17 MATTHEW MICHAELS testifies as follows:
- 18 DIRECT EXAMINATION BY MS. TATRO:
- 19 Q. Good morning. Can you state your name and
- 20 business address for the Commission?
- 21 A. Yes. My name is Matthew Michaels, Matt
- 22 Michaels. My business address is 1901 Chouteau Avenue,
- 23 St. Louis, Missouri, 63103.
- 24 Q. And can you state who your employer is and your
- 25 job title.

- 1 A. I'm employed by Ameren Services company and I am
- 2 the managing supervisor for resource planning.
- 3 Q. And are you the same Matt Michaels who was
- 4 responsible for a portion of the IRP filing that was made in
- 5 February as well as the surrebuttal testimony that consisted of,
- 6 I think, approximately 98 pages and 12 schedules?
- 7 A. Yes.
- 8 Q. And do you have any additions or corrections to
- 9 make to that testimony?
- 10 A. I just have one correction to my surrebuttal
- 11 testimony. On Page 59 at Line 4, strike --
- 12 Q. Slow down so people can get there.
- 13 A. Sorry. Page 59, Line 4 striking the first
- sentence, "of course". And then on Line 5 striking the word at
- 15 the end of the sentence "speculate" and replacing that with
- "make informed estimates".
- 17 Q. Do you have any other additional additions or
- 18 corrections?
- 19 A. No, I don't.
- Q. And if I asked you the same questions that are
- 21 contained within your surrebuttal testimony, would your answers
- 22 be the same?
- 23 A. Yes.
- MS. TATRO: With that I offer Mr. Michaels'
- 25 surrebuttal. I think the original report's already been

- 1 accepted into the record and tender him for cross-examination.
- JUDGE WOODRUFF: What number was his
- 3 surrebuttal? Was that 5?
- 4 MS. TATRO: I'm sorry. I believe it's 5. And
- 5 there's an HC, so there's 5HC and 5NP.
- JUDGE WOODRUFF: All right. 5HC and NP have
- 7 been offered by Ameren. Any objections to its receipt?
- 8 Hearing none, it will be received.
- 9 (Wherein; Company Exhibit Nos. 5HC and 5NP were
- 10 received into evidence.)
- 11 JUDGE WOODRUFF: And cross-examination will
- 12 begin with Staff.
- MR. WILLIAMS: Thank you, Judge.
- 14 CROSS-EXAMINATION BY MR. WILLIAMS:
- 15 Q. Mr. Michaels, as managing supervisor of resource
- planning, what are your job responsibilities?
- 17 A. My primary job responsibilities are to oversee
- 18 the resource planning activities of the company of which the
- 19 integrated resource plan filings and preparation and analysis
- 20 are the main component.
- Q. You said that's your primary responsibility. Do
- you have some secondary responsibilities as well?
- 23 A. Other things related to resource planning;
- 24 periodic analysis of particular resource options that might
- 25 come -- come to light that maybe hadn't during the IRP process.

- 1 Q. And who's your direct supervisor?
- A. My direct supervisor is Azar (ph.) Aurora. He's
- 3 director of corporate planning.
- Q. And who is it that he works for? Is it the same
- 5 company or someone else?
- 6 A. He also works for Ameren Services.
- 7 Q. And who is it that Mr. Aurora reports directly
- 8 to
- 9 A. Mr. Aurora most recently reported -- currently
- 10 reports to Michael Moehn who is the senior vice president of
- 11 corporate planning and strategic initiatives.
- 12 Q. How long has he reported to Mr. Moehn?
- 13 A. He's reported to Mr. Moehn on a couple of
- occasions, most recently just for the last couple of months.
- 15 Q. Are there special circumstances during which he
- reports to Mr. Moehn? If I understood your answer correctly,
- 17 you've indicated he reported to Mr. Moehn -- direct reported on
- 18 a couple of different occasions. But what I'm asking is that
- 19 the normal course is that -- are there specials occasions when
- 20 Mr. Aurora --
- 21 A. Yeah.
- 22 Q. -- reports to --
- 23 A. Well, let me clarify. Mr. Aurora reported
- 24 directly to Mr. Moehn until October 1st of 2010. At that point
- 25 Steve Kidwell came from Ameren Missouri back into corporate

- 1 planning and at that point Mr. Aurora began reporting to
- 2 Mr. Kidwell who in turn reported to Mr. Moehn.
- 3 With some organizational changes recently, that
- 4 has changed, so that now Mr. Aurora is again reporting directly
- 5 to Mr. Moehn. All that time it was in his same capacity as
- 6 director of corporate planning.
- 7 Q. And you said that Mr. Kidwell, I think, was his
- 8 direct report starting in October of last year. When did
- 9 Mr. Kidwell no longer be his direct report, if you know.
- 10 A. Well, Mr. Aurora was Mr. Kidwell's direct
- 11 report. Mr. Aurora reported to Mr. Kidwell and that began
- 12 October 1st, 2010 and then changed in the last couple of months.
- I don't remember the exact date.
- 14 Q. I'm sorry if I misspoke, but you did answer what
- 15 I was trying to get at.
- 16 A. Okay.
- 17 Q. How many Chapter 22 compliance filings have
- Ameren Missouri made since you've joined Ameren Services
- 19 Company?
- 20 A. Since I joined Ameren Services? I believe the
- 21 company has filed two, including this one.
- 22 Q. And how many has Ameren Missouri -- how many
- 23 Chapter 22 compliance filings has Ameren Missouri filed since
- 24 you became managing supervisor of resource planning at Ameren
- 25 Services Company?

- 1 A. One, the 2011 IRP.
- 2 Q. When were the two filings you referenced made?
- 3 A. One was in 2008. I don't remember the exact
- date, but early February 2008. And then the most recent one,
- 5 February 23rd, 2011.
- 6 Q. Would you take a look at your testimony -- your
- 7 surrebuttal testimony at Page 7, Lines 18 through 22.
- 8 A. Okay. I've got it.
- 9 Q. Have you had an opportunity to familiarize
- 10 yourself with it?
- 11 A. Just a moment. Okay.
- 12 Q. In that part of your testimony you refer to
- Ameren Missouri senior management establishing six policy
- objectives, do you not?
- 15 A. Right.
- Q. Who, by name and title, are each of those
- members of Ameren Missouri senior management?
- 18 A. At the time this was done it included Warner
- 19 Baxter, president, CEO of Ameren Missouri. I might have a
- 20 little trouble with the titles. I don't know all the exact
- 21 titles. Adam Heflin, chief nuclear officer. Mark Birk, vice
- 22 president in charge of basically the fossil plant operations.
- 23 Richard Mark, who oversees the customer operations. Lynn
- 24 Barnes, who takes care of financial and accounting aspects for
- 25 Ameren Missouri. Steve Kidwell at that time was vice president

- for legal and regulatory -- or legislative and regulatory.
- Those are all I can recall. Hopefully I'm not forgetting
- 3 someone.
- 4 Q. And you indicated you were identifying who were
- 5 the members of the senior management at that time. What time
- 6 are you referring to?
- 7 A. At the time we were -- at the time we came up
- 8 with policy objectives that are discussed in this section of my
- 9 testimony.
- 10 Q. And when was that? I'm looking for a date or --
- 11 A. When were the policy objectives established?
- 12 Q. Right.
- 13 A. I don't remember exact date. I know we had a
- couple of meetings to discuss that with the senior leadership
- team that I believe occurred in the March/April timeframe of
- 16 2010.
- 17 Q. And I'm just asking you to answer to the best of
- 18 your ability.
- 19 A. That's the best I can recall.
- Q. Do you have Ameren Missouri's 2011 integrated
- 21 resource plan with you?
- 22 A. I do.
- Q. In particular Chapter 9?
- 24 A. Chapter 9. Any particular page?
- 25 Q. Page 7.

- 1 A. Page 7.
- 2 Q. There should be a table there labeled -- or
- 3 Table 9.2 labeled preliminary scorecard.
- A. Okay. I've got it.
- 5 Q. Is it correct that the policy objectives and
- 6 weights given to each policy objective for the purpose of
- 7 screening the 216 alternative resource plans are contained in
- 8 that Table 9.2?
- 9 A. That's correct.
- 10 MS. TATRO: I'm sorry to interrupt, Nathan. I'm
- 11 having a really hard time hearing you.
- 12 JUDGE WOODRUFF: Mr. Williams or the witness?
- MS. TATRO: Mr. Williams.
- JUDGE WOODRUFF: Okay. Please speak up.
- 15 MR. WILLIAMS: Well, I'm not trying to be hard
- 16 to hear.
- MS. TATRO: I'm sure.
- 18 BY MR. WILLIAMS:
- 19 Q. Which rule or rules in Chapter 22 of 4 CSR 240
- 20 was why this table was created?
- 21 A. I believe in -- well, let me get the exact rule
- reference. I think it's 22.060.1. Let me just get that.
- 23 22.060.1 states in the last part: The utility may identify
- 24 additional planning objectives that alternative resource plans
- will be designed to serve. It's on Page 13 at the top, middle.

- 1 Q. Mr. Michaels, will you take another look at Page
- 2 7 and the Table 9.2.
- 3 A. Okay.
- 4 Q. You see right above that table a footnote --
- 5 well, first there's a paragraph that's followed by a footnote?
- A. Uh-huh. Yes.
- 7 Q. Did you take a look at that footnote as well?
- 8 A. Okay. Yeah. It refers to 22.060.2 as well,
- 9 which provides for the establishment of performance measures,
- 10 but relate to the performance objectives referred to in Section
- 11 1.
- 12 Q. So does that change your answer that you
- 13 provided before at all or is it still your answer that Table 9.2
- is referring based off of 22.060 Sub 1?
- 15 A. Well, the policy objectives are Sub 1. The
- 16 measures listed in the second column of that table relate to Sub
- 17 2. The weightings themselves relate to a different section,
- 18 22.070 (11) (F), which discusses the inclusion of relative
- weights assigned to the performance measures listed here.
- Q. Thank you for clarifying.
- 21 A. Sure.
- 22 Q. Doesn't Rule 4 CSR 240-22.060 Sub 2 state: The
- 23 utility shall specify a set of quantitative measures for
- 24 assessing performance of alternative resource plans with respect
- 25 to identified planning objectives?

- 1 A. Yes.
- 2 Q. Are the six policy objectives you referred to on
- 3 Page 7 of your surrebuttal testimony identify planning
- 4 objectives as that term is used in Rule 4 CSR 240-22.060 Sub 2?
- 5 A. Yes.
- Q. And what are each of the six policy objectives?
- 7 A. There listed right here. Environmental
- 8 renewable resource diversity is the first one. Energy
- 9 efficiency was the second one. Mr. Wood explained earlier that
- 10 that was used in the screening stage to ensure passage of the
- 11 energy efficiency heavy plans into the candidate resource plans
- 12 for risk analysis. Customer satisfaction, economic development
- 13 and cost.
- Q. What weight did Ameren Missouri assign to each
- of these policy objectives when screening the 216 alternative
- 16 resource plans?
- 17 A. The weights are listed here. 20 percent for
- 18 environmental, 10 percent for energy efficiency, 20 percent for
- 19 financial regulatory, 15 percent for customer satisfaction, 10
- 20 percent for economic development and 25 percent for cost.
- 21 Q. Does 4 CSR 240-22.060 Sub 2 require that the
- 22 present worth of utility revenue requirements be given in
- 23 particular weight when screening alternative resource plans?
- A. No, it doesn't.
- 25 Q. Does Rule 4 CSR 240-22.010 Sub 2 Sub B?

- 1 A. No.
- Q. Does Rule 4 CSR 240-22.060 Sub 2 require that
- 3 the present worth of utility revenue requirement be given the
- 4 greatest weight when screening alternative resource plans?
- 5 A. It does not.
- 6 Q. Does Rule 4 CSR 240-22.010 Sub 2 Sub B?
- 7 A. Yes, it does. It says that PVRR will be used as
- 8 the primary selection criterion, which we take to mean of first
- 9 importance.
- 10 Q. Does 4 CSR 240-22.060 Sub 2 require that the
- 11 present worth of utility revenue requirements be the primary
- 12 criterion when screening alternative resource plans?
- 13 A. It doesn't. It does not. It's specifically
- related to selection of the preferred resource plan.
- 15 Q. Does Rule 4 CSR 240-22.010 Sub 2 Sub B?
- 16 A. No. Again, related directly to the selection of
- the preferred resource plan.
- 18 Q. In your expert opinion is it a good idea to not
- assign a majority of the weight to present worth of utility
- 20 revenue requirements when screening alternate resource plans
- 21 under 4 CSR 240-22.060 Sub 2?
- 22 A. In our case it doesn't make sense because we
- 23 have other policy objectives that are selected that support the
- 24 primary objective of the resource planning process to provide
- 25 safe, reliable and efficient service at just and reasonable

- 1 rates.
- 2 Q. Does Rule 4 CSR 240-22.060 Sub 2 provide
- 3 guidance for weighting policy objectives when screening
- 4 alternative resource plans?
- 5 A. It does not.
- Q. Is that a good thing?
- 7 A. I think it is. It provides the utility decision
- 8 makers the flexibility to assess what factors are most important
- 9 in selecting resource plans and how those best serve the public
- 10 interest.
- 11 Q. Do you also have Chapter 10 of Ameren Missouri's
- 12 2011 integrated resource plan?
- 13 A. I do.
- Q. Would you turn to Page 13.
- 15 A. I'm there.
- Q. Do you see something that's labeled Figure 10.5?
- 17 A. Yes, I do.
- 18 Q. What is shown on Figure 10.5?
- 19 A. Figure 10.5 shows the selection scorecard that
- was used to assess the performance of the candidate resource
- 21 plans during Ameren Missouri senior management's consideration
- of selection of the preferred resource plan.
- 23 Q. And how many policy objective are shown on
- 24 Figure 10.5?
- 25 A. There are five. The one that is excluded is

- 1 energy efficiency. As Mr. Wood pointed out earlier, that
- 2 particular policy objective was included in the screening phase
- 3 to ensure that high energy efficiency resource plans would pass
- 4 to the candidate resource plan and risk analysis phase.
- 5 Q. Are you saying that the policy objectives on
- 6 Figure 10.5 are the same as the policy objectives on Table of
- 7 9.2 with the exception of energy efficiency?
- A. That's correct.
- 9 Q. Are the policy objectives on Figure 10.5
- weighted?
- 11 A. Yes, they are. It doesn't appear on the page,
- 12 but in the work papers it shows that PVRR was weighted 30
- 13 percent, economic development was weighted 10 percent, and each
- of the three others were weighted 20 percent.
- 15 Q. Is there some reason the weighting you say was
- in the work papers isn't reflected in the resource plan filing?
- 17 A. No reason that I know of.
- 18 Q. Do you think it should have been?
- 19 A. I think it would have been helpful to include.
- 20 Q. Do you think Ameren Missouri might do so in the
- 21 future resource plan planning?
- 22 A. Yes. I would expect so.
- 23 Q. Would you turn to Page 18 of your prefiled
- 24 surrebuttal testimony that's been marked for identification as
- 25 Exhibit 5?

- 1 A. Which page?
- Q. 18. In particular Lines 8 through 12.
- 3 A. Okay.
- 4 Q. And there don't you indicate, let's see, the
- 5 company relied on the plain and ordinary meaning of the word
- 6 "primary"?
- 7 A. That's correct.
- 8 Q. Is there only one plain and ordinary meaning of
- 9 the word "primary"?
- 10 A. No. I think there are a lot of them, some
- 11 relating to biology, chemistry, business.
- MR. WILLIAMS: Judge, may I approach?
- JUDGE WOODRUFF: You may.
- MR. WILLIAMS: What I have is a copy of Exhibit
- 15 9 Ameren -- Union Electric Company's initial comments in the
- 16 EX-92-299 rulemaking case.
- 17 BY MR. WILLIAMS:
- 18 Q. Mr. Michaels, I'm handing you a copy of what's
- 19 been marked for identification as Exhibit No. 9.
- 20 A. Okay.
- Q. And turning your attention to Page 28 of that
- 22 exhibit, or what's marked as Page 28. And I'll represent to you
- 23 that that's a copy of a filing that was made by Union Electric
- 24 Company in a rulemaking case for Chapter 22.
- 25 A. Okay.

- 1 Q. And in that filing did Ameren Missouri provide
- 2 four different definitions of primary?
- 3 A. Yes.
- 4 Q. And do you agree that each of those are plain
- 5 and ordinary meanings of the word "primary"?
- A. I would agree with that.
- 7 Q. And if Ameren Missouri had argued at that time
- 8 that "primary" as used in the rules had a particular meaning,
- 9 would you agree that that would have been a reasonable argument
- 10 at the time it was made at least?
- 11 A. I would expect so.
- 12 Q. Do you know if the Commission has provided any
- guidance as to what it meant when it used the word "primary" in
- 14 promulgating Rule 4 CSR 240-22.010 (2) (B)?
- 15 A. I'm not aware of any.
- MR. WILLIAMS: Judge, may I approach again?
- JUDGE WOODRUFF: You may.
- 18 BY MR. WILLIAMS:
- 19 Q. Mr. Michaels, I'm handing you what's been marked
- for identification as Exhibit No. 8, which is Commission's order
- 21 rulemaking for Chapter 22 back in 1993 and I'm directing your
- 22 attention to -- I believe it starts on Page 9 under the heading,
- 23 4 CSR 240-22.010 Policy Objectives. I'm asking you to read that
- 24 page over to the following page stopping right about the middle
- of that page above the line that starts 4 CSR 240-22.010 Sub 2.

- 1 A. All right. Summary of comment. The purpose of
- 2 the modifications to the proposed rules is in response to
- 3 concerns expressed by various commenters.
- Q. Mr. Michaels, I'm not asking that you read it
- 5 into the record.
- 6 A. Okay.
- 7 Q. But if you want to, I won't object to it.
- A. I'll just read it.
- 9 Q. The exhibit's already in the record. I just
- 10 want you to --
- 11 A. Okay.
- 12 Q. -- take a look.
- 13 A. Okay.
- Q. Would you go ahead and read that last paragraph
- out loud that starts out the Commission adopts two
- 16 modifications.
- 17 A. Sure. The Commission adopts the two
- 18 modifications in the proposed rules in response to various
- 19 comments but still holds to the proposition that cost
- 20 minimization should be of primary importance in resource plan
- 21 selection. Based on the foregoing the Commission finds that
- this section will be adopted as modified.
- 23 Q. So in that rulemaking, didn't the Commission
- 24 provide some guidance on the meaning of "primary" as used in
- 25 4 CSR 240-22.010 Sub 2 Sub B?

- 1 A. The way I read this it used the term "primary"
- 2 to define itself by saying that it should be of primary
- 3 importance.
- Q. So you don't view that the Commission provided
- 5 any guidance as to what primary means?
- A. Not with respect to any particular weighting.
- 7 Q. And I don't think I limited it to going to
- 8 weighting.
- 9 A. Well, the way I read this paragraph it doesn't
- 10 provide any clarification as to what primary means.
- 11 Q. Is it important to Ameren Missouri that the
- 12 Commission provide guidance as to the meaning of primary as used
- in 4 CSR 240-22.010 Sub 2 Sub B?
- 14 A. I don't know that explicit guidance is
- 15 necessary, but certainly in its decision in this case we will
- 16 have quidance as to whether or not our definition is the
- 17 preferred one. I think the definition as stated provides
- 18 flexibility to determine what's primary in light of other
- 19 planning objectives that might be important.
- 20 Q. Is your answer then that Ameren Missouri doesn't
- 21 consider it to be important that the Commission provide any
- 22 further guidance, that the rule is just fine as it is and the
- 23 way it's being followed?
- A. I don't believe it's necessary.
- 25 Q. With regard to the preferred plan selection

- 1 scorecard, which I believe was Figure 10.5 --
- 2 A. Okay.
- Q. -- did you attend all of the meetings for Ameren
- 4 Missouri senior leadership team where that team reviewed and
- 5 revised the preferred plan selection scorecard?
- A. Yes, I did.
- 7 Q. When were those meetings?
- 8 A. They were on October 25th, 2010; November 8th,
- 9 2010; and November 15th, 2010.
- 10 Q. And how were those -- was energy efficiency ever
- a policy objective on that scorecard as it was being reviewed
- 12 and revised?
- 13 A. I don't recall whether it was or not at this
- 14 stage. It may have been initially, but I don't recall.
- 15 Q. And how were the policy objectives that are on
- that scorecard determined to be on it? How -- was it one person
- said this is the way it should be and the team agreed, or how
- 18 was that arrived at?
- 19 A. No. As I mentioned to -- in a response to
- another question that you asked earlier, we met with the Ameren
- 21 Missouri senior leadership team in the March/April 2010
- 22 timeframe to establish what policy objectives were. And so it
- 23 was at that time that those determine -- determinations were
- 24 made essentially through -- it was over the course of at least
- 25 two meetings, perhaps more -- where the entire Ameren Missouri

- 1 leadership team weighed in on what should be included, how
- 2 things should be weighed and eventually led to the -- to the
- 3 initial policy objectives and weightings that we were discussing
- 4 earlier in Chapter 9. And then ultimately to the preferred plan
- 5 selection scorecard here.
- Q. Well, there's a difference between the criteria
- 7 that were used on -- what's the initial selection and what was
- 8 used to determine the preferred plan, at least energy efficiency
- 9 is not on the second.
- 10 A. That's correct.
- 11 Q. So who deter-- who determined then when that
- 12 energy efficiency wasn't included on the scorecard used to
- determine the preferred plan?
- 14 A. I don't remember exactly when. I do remember
- 15 having -- being involved -- or being present for discussions of
- 16 the Ameren Missouri senior leadership team where -- where it was
- 17 raised that, you know, we have a -- have a bias built in here
- 18 that we used in the screening phase toward energy efficiency.
- 19 We really don't need that at this stage.
- 20 That might have been during the October 25th
- 21 discussion. I don't remember. It might have been before that.
- 22 Q. It wouldn't have been in the March to April
- 23 discussion, would it?
- 24 A. No.
- 25 Q. And when those discussions were going on for the

- 1 preferred plan selection scorecard, were policy objective
- 2 weightings ever shown or discussed?
- 3 A. Yes, they were. Again, I don't remember
- 4 precisely at what point in time, but I think most of this was in
- 5 the October/November timeframe when consideration of the
- 6 candidate resource plans was being undertaken.
- 7 Q. And did the scorecard ever reflect policy
- 8 objective weightings? And I'm referring to the preferred plan
- 9 scorecard.
- 10 A. I don't remember during the discussions whether
- 11 they explicitly showed the weightings or not. I know that they
- 12 were in the spreadsheet that served as the basis for this
- 13 figure. And I know that they were discussed.
- Q. Well, did the senior leadership team review the
- 15 scorecard or the spreadsheets that underlie it?
- 16 A. They reviewed the scorecard, but during the
- discussions we had discussions about what the weightings were
- 18 and should be.
- 19 Q. And how were those weightings determined? Was
- it consensus or was it a case of someone said this is what it
- 21 ought to be and everyone else said okay?
- 22 A. It -- it was a general consensus.
- 23 Q. Do you know why the policy objective weightings
- 24 are not shown on the scorecard that's in Ameren Missouri's 2011
- 25 IRP filing? And I'm referring to the preferred plan scorecard.

- 1 A. No, I don't. But as we discussed earlier, I
- 2 think we would expect to include that in future filings.
- 3 Q. Can you tell me why the scoring guide as shown
- 4 in -- it looks like quarter increments of a pie as opposed to
- 5 numerical or some other format?
- A. Sure. During the screening phase we used
- 7 specific numerical measures because we had 216 plans to
- 8 evaluate, so we needed some sort of measure that we could
- 9 quickly get at. So we limited it to certain specific measures
- 10 that were on the table in Chapter 9 that we discussed earlier.
- 11 When we got to the preferred plan selection, it
- was necessary to consider not only qualitative measures but also
- 13 quantitative measures. For instance, if you look at the
- 14 financial regulatory policy objective, stranded cost risk is one
- of those. We didn't have a means by which we could measure what
- 16 the stranded cost risk was explicitly for a particular plan, so
- it was basically a subjective assessment of what stranded cost
- 18 risks might mean.
- 19 As an example if you look at the plans R1 and C1
- where controls are installed on Meramec to comply with the
- 21 aggressive environmental regulations scenario, those were
- 22 represented as having a lower score specifically because adding
- 23 expensive control technologies would present the possibility
- that there might be stranded investment if it turns out that,
- 25 for instance, further environmental regulation would result in

- 1 retiring the plant.
- Q. On Page 9 of your surrebuttal testimony at Lines
- 3 18 through 19 you talk about balancing the needs of both
- 4 customers and investors in the context of potential future
- 5 environmental regulations.
- A. Okay.
- 7 Q. In particular, what do you mean when you refer
- 8 to balance the needs of both customers and investors?
- 9 A. Well, with respect to customers cost in terms of
- 10 PVRR was weighted 30 percent as the primary selection criterion,
- 11 the highest of any of the five selection criteria that were
- 12 used. We also looked at financial and regulatory as a policy
- 13 objective that we were just discussing, so we had to make
- 14 assessments there with respect to what potential risks a plan
- might pose from the standpoint of investors.
- And finally, we used other considerations -- we
- 17 called them decision factors in the filing -- to evaluate
- 18 additional -- additional considerations that needed to be taken
- into account that would constrain or limit the minimization of
- 20 PVRR in choosing the preferred plan.
- 21 Q. And where are these decision -- you said these
- decision factors set out within Chapter 22?
- 23 A. It's 22.010 (2)(C). Decision factors is the
- 24 term that we used to describe our consideration of those other
- 25 potential constraints. But that -- that section of the rule

- says that the primary objective resource planning requires that,
- 2 you know, first consider and analyze demand-side efficiency and
- 3 energy management measures on an equivalent basis with
- 4 supply-side alternatives.
- 5 We did that in a number of ways including hourly
- 6 modeling of both cost and benefits of both demand-side and
- 7 supply-side resources; use of cost as a primary criterion in
- 8 screening potential demand-side measures based on total resource
- 9 cost tests and also levelized cost from the standpoint of
- 10 screening supply-side options.
- 11 And (2)(B) it says: Use minimization of present
- worth of long-run utility cost as a primary selection criterion.
- 13 We did that by applying clearly the highest weight to PVRR of
- any other selection criterion used. And then (C) says:
- 15 Explicitly identify and where possible quantitatively analyze
- 16 any other considerations which are critical to meeting the
- 17 fundamental objective of the resource planning process, but
- which may constraint or limit the minimization of present worth
- 19 of expected utility costs.
- 20 There's no limitation on what these other
- 21 considerations might be. There are a few that are explicitly
- 22 listed including risk associated with critical uncertain factors
- 23 identified in the -- in the utility's analysis, risk associated
- 24 with more stringent environmental laws or regulations, which
- 25 goes directly to the decision factor that we used for

- 1 environmental and retirement analysis. And then the third one
- is rate increases associated with alternative resource plan.
- 3 So that -- that section, (2)(C) lays out a
- 4 framework by which utilities can make other considerations about
- 5 whether there are constraints from a legal or practical
- 6 standpoint on implementing the preferred resource plan that it
- 7 ultimately selects.
- 8 Q. Going back to the measures on the scorecard that
- 9 was used for selecting the preferred plan, I think you
- 10 referenced that there are financial measures there?
- 11 A. Right.
- 12 Q. Were those effected by lost revenues?
- 13 A. Yes, they were. According to the section of the
- 14 rule that I just read we did a quantitative analysis of the
- impact of regulatory lag, specifically with respect to
- incorporating billing units effected by energy efficiency into
- 17 the rate calculation. And we made an estimation.
- There's a chart, I believe, in Chapter 10 that
- shows the lost revenue impact on earnings associated with both
- the RAP DSM portfolio and the low risk DSM portfolio under three
- 21 different assumptions for frequency of rate cases. And that
- 22 showed that there was anywhere from -- I think it was maybe 20
- or 30 on the low end and then 70 million on the high end, each
- 24 and every year for the first five to ten years of implementation
- of the portfolio.

- 1 Q. Does including lost revenues as part of the
- 2 financial measure have the effect of changing the weighting of
- 3 that method?
- 4 A. That does, as does consideration of the program
- 5 cost recovery piece, which is currently set up through a
- 6 regulatory asset that's amortized over six years. That also
- 7 weighed into the scoring on the financial regulatory because of
- 8 the concerns about eventual recovery of that regulatory asset if
- 9 it grew to a size that's very large.
- 10 I believe for the RAP portfolio that -- that
- 11 regulatory asset could have been in the neighborhood of \$600
- 12 million. So that -- that also presented a potential cost
- 13 recovery risk for the company that had to be considered in that
- 14 financial regulatory measure.
- 15 Q. Are the weightings that are used for the policy
- objectives in the scorecard used for selecting the preferred
- 17 plan subjective?
- 18 A. Are the weightings subjective?
- 19 Q. Yes.
- 20 A. Sure.
- MR. WILLIAMS: No further questions of this
- 22 witness at this time.
- JUDGE WOODRUFF: All right. We'll move on to
- NRDC.
- 25 MR. FISK: Okay. Thank you, Your Honor.

- 1 CROSS-EXAMINATION BY MR. FISK:
- Q. Good afternoon, Mr. Michaels.
- 3 A. Good afternoon.
- 4 Q. How you doing this afternoon?
- 5 A. Pretty good.
- 6 O. Good. In the -- in the IRP Ameren modeled two
- 7 different environmental scenarios; is that correct?
- 8 A. That's correct; moderate and aggressive.
- 9 Q. Okay. And you have the IRP in front of you; is
- 10 that --
- 11 A. I do.
- 12 Q. Okay. If you could turn to Chapter 8, Page 20.
- 13 A. Okay.
- Q. And do you see Table 8.3 --
- 15 A. I do.
- Q. -- towards the bottom?
- 17 A. Uh-huh.
- 18 Q. And that -- does that reflect the moderate and
- 19 aggressive scenarios that were modeled?
- 20 A. That's correct.
- Q. Okay. And just looking through there, you
- 22 have -- first you have Labadie 1 and 2 and Labadie 3 and 4. And
- 23 under the moderate scenario the assumption is there will be
- 24 scrubbers, ACI and fine mesh screens required?
- 25 A. Uh-huh.

- 1 Q. Okay. And then under the aggressive scenario it
- 2 will also require scrubbers and ACI plus cooling tower, ash,
- 3 landfill and waste water plant?
- 4 A. Right.
- 5 Q. Okay. And if you flip over to Page 23 of
- 6 Chapter 8.
- 7 A. Okay.
- 8 Q. That Table 8.5. Do you see that?
- 9 A. I see it.
- 10 Q. Okay. And that identifies the cost related to
- 11 those controls; is that correct?
- 12 A. Yes.
- 13 Q. Okay. So that first -- well, the second column
- labeled nominal 2010 in millions of dollars?
- A. Right.
- 16 Q. Okay. So for Labadie under the moderate
- 17 scenario, that plant is facing about \$1.3 billion in
- 18 environmental control costs; is that correct, capital costs?
- 19 A. For --
- Q. For Labadie.
- 21 A. I got to see which pieces I need to add up.
- 22 Q. Sure.
- 23 A. It looks a little over 1.1. You're talking
- 24 about the environment -- the moderate environmental re--
- 25 Q. Yes. So the scrubber --

- 1 A. Yeah.
- 2 Q. -- the --
- 3 A. Right.
- 4 Q. -- ACI.
- 5 A. And fine mesh screens?
- Q. And fine mesh screens.
- 7 A. Yeah. I would --
- 8 Q. Right. 1.1 --
- 9 A. Dominated by the scrubber, which is 1.1 billion.
- 10 Right.
- 11 Q. Okay. And then for the aggressive scenario,
- 12 about how much is that plant facing in environmental control
- 13 costs?
- 14 A. It looks like about 1.7 -- 1.75 maybe.
- 15 Q. And then similar question to Rush Island, where
- under the moderate scenario the IRP also projects the need for a
- 17 scrubber, ACI and fine mesh screens; is that correct?
- 18 A. Right.
- 19 Q. And about how much is that plant facing under
- 20 the moderate scenario?
- 21 A. Looks like 642 million.
- Q. Okay. And under the aggressive scenario?
- A. 784 million, I get.
- Q. Okay. And then Meramec, under the aggressive
- 25 scenario, is also -- Ameren's projecting the need for a

- 1 scrubber, ACI, fine mesh screens, ash, landfill and a waste
- water plant; is that correct?
- 3 A. Right.
- 4 Q. And do you know about how much that would come
- 5 to?
- 6 A. It looks like about 800 million.
- 7 MR. FISK: And Your Honor, may I approach?
- JUDGE WOODRUFF: You may.
- 9 MR. FISK: Okay. Actually, I have an exhibit.
- 10 It's a data request response. It's marked highly confidential.
- 11 MS. TATRO: Let me read this. I'm sorry.
- 12 If you want to talk about the numbers, we'll
- 13 need to go in camera.
- 14 MR. FISK: What?
- 15 MS. TATRO: If you want to talk about the
- numbers, you'll need to go in camera.
- 17 MR. FISK: Okay.
- 18 JUDGE WOODRUFF: What's the situation?
- 19 MR. FISK: There are numbers that Ameren is
- 20 claiming highly confidential so we would need to go in camera.
- JUDGE WOODRUFF: Let's mark the exhibit as 39
- 22 first.
- MR. FISK: Okay.
- 24 (Wherein; NRDC Exhibit No. 39HC was marked for
- 25 identification.)

1	Ċ	JUDGE WOOD	RUFF: 01	39HC and	then we'll go in
2	camera.				
3	(	(REPORTER'	S NOTE:	At this t	ime, an in-camera
4	session was held w	hich can	be found	in Volume	3, Page 169 to
5	Page 173 of that t	ranscript	.)		
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- JUDGE WOODRUFF: We're back in regular session.
- 2 BY MR. FISK:
- 3 Q. Okay. And for Meramec, the -- what is the
- 4 assumed retirement date in the preferred resource plan, the IRP?
- 5 A. In the preferred resource plan we haven't made
- 6 an explicit assumption about retirement. We've simply reflected
- 7 that it would continue to operate through the 20-year planning
- 8 horizon through 2030, so beyond that we haven't made an estimate
- 9 or what the retirement date would be.
- 10 Q. And if you turn to Chapter 9 of the IRP,
- 11 Appendix A, Page 21, the top --
- 12 A. I see.
- 13 O. -- box there RO?
- A. Uh-huh.
- 15 Q. Which is the preferred resource plan; is that
- 16 correct?
- 17 A. Right.
- Q. Okay. And it says Meramec continues as is; is
- 19 that correct?
- A. Right.
- 21 Q. And it -- and the timing on that chart runs
- through 2040; is that correct?
- 23 A. 2039.
- Q. 2039. Okay. And is the retirement of Meramec
- 25 reflected anywhere on that?

- 1 A. It's not because what we did in the IRP analysis
- 2 was we froze resources at the end of 2030, at the end of the
- 3 planning horizon. We ran additional 10 years to capture end
- 4 effects of the decisions made during the 20-year planning
- 5 horizon.
- 6 Q. So the preferred resource plan's assumption was
- 7 that Meramec would continue to operate through 2039; is that
- 8 correct?
- 9 A. No. That's not accurate. What -- what we did
- was, you know, whatever was in place at 2030, we're just trying
- 11 to capture end effects so we have a apples-to-apples comparison
- 12 across the different plans. So we didn't -- we didn't make an
- explicit assumption about when Meramec retires. This is just to
- capture the end effects of decisions made during the 20-year
- 15 planning horizon.
- 16 Q. But Meramec is -- under this preferred source
- plan, Meramec is operating in 2030. Correct?
- 18 A. For modeling purposes we continue to operate the
- 19 system in the same manner it is at the last year of the planning
- 20 horizon. It's a -- it -- it's a technical issue about making
- 21 sure that you reflect the cost over the period over which we're
- 22 calculating PVRR based on decisions that are made during the
- 23 20-year planning horizon.
- 24 The fact that it doesn't show that Meramec
- 25 retires does not mean that we are explicitly assuming that the

- 1 plant continues to operate to that timeframe.
- 2 Q. Are you assuming revenue from the plant after
- 3 2030?
- 4 A. In all cases where Meramec continues to operate,
- 5 so this would be included in RAP DSM plans or anything else that
- 6 continues to reflect Meramec operations during that end effects
- 7 period after the planning horizon.
- 8 Q. Through 2039?
- 9 A. Yes.
- 10 Q. And how old would the Meramec units be in 2039?
- 11 A. Let's see. 1950s, so 80 years. A little bit
- more maybe.
- Q. And do you know of any coal-fired electric
- 14 generating units that's over 100 megawatts that's still
- 15 operating after 80 years?
- 16 A. I personally do not, no. But again, we didn't
- 17 assume that it just operates out to that point. The point of
- including the additional nine years that we have here was to
- 19 capture the end effects, so it doesn't -- it's not intended to
- 20 reflect a specific assumptions about whether or not we retire
- 21 the plant. It is simply to capture the financial effects of the
- decisions that are made during the 20-year planning horizon.
- 23 Q. But to get the revenue from the unit it would
- have to be operating. Correct?
- 25 A. Yes.

- Q. All right. Do you know -- do you know
- 2 approximately when scrubbers for the capture of sulfur dioxide
- 3 became commercially available for coal-fired boilers?
- A. No, I don't.
- 5 Q. Do you think '80s -- 1980s?
- 6 A. I would imagine that they became more prominent
- 7 in the '90s after passage of the Clean Air Act, but I don't know
- for sure when they were commercially available.
- 9 Q. Okay. The preferred resource plan assumes that
- 10 there will be no scrubber on any of the Meramec units through
- 11 the end of its life; is that correct?
- 12 A. Through the planning horizon, yes.
- 13 Q. And does it assume any scrubbers added in the --
- through 2039. Correct?
- 15 A. No. We didn't assume any changes in the system
- 16 after 2030.
- 17 Q. So 50 years after -- at least 50 years after
- 18 scrubbers have been installed on coal plants, Meramec's going to
- 19 continue operating without a scrubber?
- MS. TATRO: Objection. I think that
- 21 Mr. Michaels a couple times now has said that's not what the
- 22 years after -- the last nine years reflect. It doesn't mean
- 23 that we are or aren't installing the scrubber or that we are or
- we aren't retiring a plant. I think he's misstating
- 25 Mr. Michaels' testimony.

- 1 MR. FISK: Well, in order to get revenue from a
- 2 plant it has to be operating. And if they're assuming it in
- 3 their preferred resource plant that they're getting revenue from
- 4 this plant through 2039, then it has to be operating.
- JUDGE WOODRUFF: I'm going to overrule the
- 6 objection. The witness can -- he can defend himself and answer
- 7 as he believes is appropriate.
- I don't know if you got an answer to your last
- 9 question, so I --
- 10 THE WITNESS: What is the question?
- 11 MR. FISK: Can you read the question back,
- 12 please?
- 13 THE COURT REPORTER: Question: And does it
- assume any scrubbers added through the period 2039. Correct?
- 15 Answer: No. We didn't assume any changes in
- the system after 2030.
- 17 Question: So 50 years -- at least 50 years
- after the scrubbers have been installed in a coal-fired plant,
- 19 Meramec is going to continue operating without a scrubber?
- THE WITNESS: Again, I'll point to the fact that
- 21 the additional 10 years is reflected to capture the end effects
- 22 of the decisions made during the first 20 years. Under moderate
- 23 environmental regulation, the same assumption exists in all the
- 24 resources that -- resource plans that we evaluated based on the
- 25 enviro-- moderate environmental regulation.

- 1 So even -- even interpreting the inclusion of
- 2 Meramec after the 2030 final year of the planning horizon, it's
- 3 the same in all the different plans. It doesn't weigh in to the
- 4 relative results of the different resource plans.
- 5 MR. FISK: Give me one second here. If I may
- 6 approach, Your Honor.
- JUDGE WOODRUFF: You may.
- 8 MR. FISK: I have another --
- 9 MS. TATRO: Okay.
- JUDGE WOODRUFF: This will be 40?
- 11 MR. FISK: 40HC.
- JUDGE WOODRUFF: HC.
- 13 (Wherein; NRDC Exhibit 40HC was marked for
- identification.)
- 15 MS. TATRO: If you have an extra one, that's
- 16 fine.
- 17 MR. WILLIAMS: Will this be Exhibit 40?
- JUDGE WOODRUFF: Yes. 40HC.
- 19 BY MR. FISK:
- Q. I've handed you Exhibit 40HC, which is entitled
- 21 Report on Life Expectancy of Coal-fired Power Plants; is that
- 22 correct?
- A. Correct.
- 24 Q. Okay. And have you seen this document before?
- 25 A. Yes.

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Q.
                       Okay. Can you tell me what it is?
                       This was a report provided by Black and Veatch
 2
               Α.
 3
      to support retirement date assumptions for the power plants.
      That, I believe, was provided as an exhibit in our -- must have
 4
 5
      been our 2010 rate case, I believe.
 6
                Q.
                       Okay. And if you turn to Page 1-3 of that --
 7
               Α.
                       Correct.
 8
               Ο.
                        -- exhibit.
 9
                       MS. TATRO: Are you going to ask questions that
      we're going to need to go in camera for again?
10
                       MR. FISK: Sorry. Yes. Well, about that
11
      stuff.
12
13
                       MS. TATRO: Yes. The document's marked HC.
14
                       MR. FISK: Okay.
15
                        JUDGE WOODRUFF: We'll need to go in camera?
16
                       MR. FISK: Yes.
17
                        (REPORTER'S NOTE: At this point, an in-camera
      session was held which can be found in Volume 3, Page 181 to
18
      Page 183 of that transcript.)
19
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- JUDGE WOODRUFF: And we're back in regular
- 2 session.
- 3 MR. FISK: Thank you, Your Honor.
- 4 BY MR. FISK:
- 5 Q. Do you have a copy of your test-- your
- 6 surrebuttal testimony in front of you?
- 7 A. I do.
- 8 Q. Great. If you could turn to Page 74 to 75.
- 9 A. Okay.
- 10 Q. And starting around Line 18 on Page 74 there is
- 11 a discussion of Meramec continuing to operate at a greater than
- 12 60 percent capacity factor; is that correct?
- A. Right.
- Q. Okay. And your response to the question
- 15 discusses that the capacity factor is the result of the dispatch
- 16 modeling?
- 17 A. That's right.
- Q. Okay. Does dispatch modeling look at to whether
- it's technically feasible operate at a certain capacity factor?
- 20 A. No. To assess that we relied on Burns and
- 21 McDonnell study that showed what expenditures would be required
- 22 in order to maintain the plant at its existing level of
- 23 reliability. And so therefore we assumed based on their expert
- 24 advice that the plant would be technically operable during that
- 25 time of the dispatch model simply dispatched the units in the

- 1 market with -- with an equivalent availability based on current
- 2 performance.
- 3 (REPORTER'S NOTE: At this point, a Highly
- 4 Confidential question was removed from the transcript and placed
- 5 in-camera, Volume 3, Page 186)
- 6 MS. TATRO: Mr. Fisk, remember that report is
- 7 confidential, so if you're going to talk about something
- 8 specific that's in that report, you need to go in camera.
- 9 MR. FISK: Okay. I apologize.
- 10 MS. TATRO: Or perhaps I should address that to
- 11 the judge.
- 12 MR. FISK: Yes.
- MS. TATRO: I apologize.
- JUDGE WOODRUFF: Yes.
- 15 MR. FISK: We need to go in camera.
- JUDGE WOODRUFF: It does need to be
- 17 confidential. If we need to discuss it, we can go back in
- 18 camera.
- 19 MR. FISK: Yeah. If we could go back in camera.
- JUDGE WOODRUFF: All right. We'll go back in
- 21 camera.
- 22 (REPORTER'S NOTE: At this point, an in-camera
- 23 session was held and can be found in Volume 3, Page 186 to Page
- 24 188 of that transcript.)

- 1 JUDGE WOODRUFF: And we're back in regular
- 2 session.
- 3 MR. FISK: Thank you.
- 4 BY MR. FISK:
- 5 Q. Line 18 there's a discussion regarding
- 6 combustion turbines and the feasibility -- economic feasibility
- of converting them to combined cycles; is that correct?
- 8 A. Right. Right.
- 9 Q. Okay. And in Line 18 you state that the IRP
- 10 show the combined cycle generators are -- quote -- very
- 11 competitive resource options?
- 12 A. Uh-huh.
- 13 Q. And what do you mean by that?
- 14 A. Well, that means that they perform very well in
- 15 the IRP analysis as a resource options. They're attractive
- 16 resource options.
- 17 Q. In what sense are they attractive?
- 18 A. You know, compared to other supply-side options.
- 19 They're pretty low cost, low capital cost. You know, with --
- 20 with gas prices are where they are now, they're even more
- 21 competitive than what we showed in this analysis.
- 22 Q. Okay. And was there any comparison in the IRP
- of converting combustion turbines to combine cycle plants as an
- 24 alternative to the environmental control cost facing Labadie
- 25 that we discussed earlier?

- 1 A. I'm sorry, state the question again.
- Q. Was there any comparison in the IRP of
- 3 converting combustion turbine generators into combined cycle
- 4 plants as an alternative to the pollution control installations
- 5 at Labadie?
- 6 A. There was. It was indirect. During the
- 7 alternative plan evaluation we looked at several different
- 8 combined cycle options. One was a green field, one was putting
- 9 a combined cycle unit at Meramec by converting, I believe it was
- 10 the unit 4 steam turbine. And then another one was converting
- 11 existing CTGs at our Venice plant combined cycle operation.
- 12 When we evaluated those three options as part of
- 13 alternative resource plans, they all came out very close on the
- 14 PVRR cost measure. And so we simply used the green field
- 15 combined cycle operation to represent all three understanding
- that if we got to the point where we had to begin implementation
- of a combined cycle unit that we'd have to do a specific
- 18 evaluation of what made the most sense at the time whether it
- 19 was a conversion, whether it was putting in a an existing site,
- 20 whether it was put in the green field site or whatever.
- 21 So in that way we've reflected the cost of -- of
- 22 a combined cycle generic option. And when we looked at
- 23 candidate resource plans we looked at it with retirement of --
- 24 and replacement with a combined cycle. And we also looked at
- 25 putting the controls on the units. This was all under the

- 1 aggressive environmental regulation scenario.
- 2 So indirectly we did make a comparison of
- 3 whether it was better to retire Meramec and put in a combined
- 4 cycle, whether that be based on a green field installation of a
- 5 conversion.
- 6 Q. All right. So you did that comparison of
- 7 Meramec. My question was if you did that comparison for
- 8 Labadie?
- 9 A. We did not do it for Labadie. As I mentioned
- 10 earlier, we were looking at Meramec as a test case because of
- its lower efficiency and higher cost.
- 12 Q. All right. And you also did not do that
- comparison for Rush Island; is that correct?
- 14 A. Correct. For the same reasons.
- 15 Q. There's -- there's been a lot of discussion
- 16 today about the RAP versus low risk DSM plan and you were
- involved in the decision-making around -- around that issue; is
- 18 that correct?
- 19 A. Yes.
- Q. Okay. And do you know approximately how much
- lost revenue Ameren would incur through the RAP plan rather than
- the low risk DSM plan?
- 23 A. Yes. We did an evaluation of what the impact of
- lost revenue would be over the planning horizon for both the RAP
- 25 and the low risk portfolios for assumptions on rate case

- 1 frequency of, I believe, it was one year, two years, and four
- 2 years. That impact ranged from, I believe, 20 to \$70 million in
- 3 each year for the RAP portfolio and it was in the -- maybe the
- 4 15 to 20 million range for the low risk for a few years, again
- 5 depending on rate case frequency.
- Q. And is that -- are those numbers included in the
- 7 IRP?
- 8 A. There's a chart of those numbers in the -- and
- 9 there's a supporting work paper that has -- has the specific
- 10 numbers in them.
- 11 Q. Are you referring to the -- Pages 4 and 5 of
- 12 Chapter 10?
- 13 A. Let me look. Yeah. The two -- the two charts
- on Page 5, those show the -- the impact of lost revenue on ROE,
- 15 but I believe the work papers shows the specific dollar numbers
- in each year.
- Q. Okay. So I guess I'm a bit confused. On Page
- 18 4, Table 10.1 there is a discussion there -- or there's a table
- 19 that discusses earning sensitivity, the sales volume changes --
- 20 A. Uh-huh.
- 21 Q. -- is that correct? And towards the bottom
- there's a reference to fixed cost revenue difference, a loss of
- 23 \$18 million of there's a 1 percent reduction in sales? Do you
- 24 see that?
- 25 A. Yeah. This is -- this is sort of a generic

- 1 example to illustrate the workings of lost revenue whereas the
- 2 charts on Page 5 are an explicit determination of the impact of
- 3 lost revenue for the specific portfolios that we evaluated.
- Q. Okay. So Table 10.1 you're saying is not --
- 5 A. It's a generic example.
- 6 Q. Okay. And you're saying that Table -- the
- 7 numbers in Table 10.2 and 10.3 --
- 8 A. Are not related to the numbers in Table 10.1.
- 9 Q. Okay. But the -- you're saying that the data in
- 10 Figure 10.2 and 10.3 translates into 20 to \$70 million?
- 11 A. 20 to \$70 million a year depending on rate case
- 12 frequency, yes.
- 13 Q. Okay. And so under a one-year rate case
- frequency is around 20 million a year?
- 15 A. I believe --
- Q. For RAP?
- 17 A. -- that's correct. 20 to 30, I believe was the
- 18 range.
- 19 Q. And did you -- did Ameren compare that -- that
- 20 figure to the amount of PVRR that would be saved through RAP
- 21 versus low risk DSM?
- 22 A. Are you asking me how these were considered by
- 23 management in making the decision for the preferred plan? How
- 24 the PVRR was considered? How the impact of lost revenue was
- 25 considered?

- 1 Q. Yes.
- 2 A. Is that what you're asking? Well, PVRR was
- 3 considered by looking at the range of results for all the
- 4 different candidate resource plans and specifically looking at
- 5 the preferred plan selection scorecard we made, you know,
- 6 relative comparisons of those plans on that basis; still looking
- 7 at the detailed results of the PVRR analysis in the context of
- 8 the decision that was being made.
- 9 But the lost revenue was viewed as one of the
- other considerations pursuant to 22.010 (2)(C), which really
- 11 provides a practical constraint on the company's ability to
- implement what turned out to be the lowest PVRR plan. So that's
- 13 how that how that -- those two pieces were incorporated into the
- 14 decision-making.
- 15 There wasn't a straight up comparison of, you
- 16 know, how much -- how many, you know -- what's the dollar lost
- 17 revenue worth relative to a dollar of PVRR reduction. There
- 18 wasn't a comparison like that.
- 19 Q. So I -- I -- earlier -- in earlier testimony
- 20 Mr. Wood, I think, we compared the candidate -- the preferred
- 21 resource plan, which is found on Chapter 10, Appendix B, Page
- 22 5 -- or I'm sorry. Yeah. Page 5.
- A. Appendix B? Okay.
- Q. To the -- to the plan found on Page 1 of
- 25 Appendix B, which is the same plan essentially except that the

- one on Page 1 assumes low risk DSM and the one on Page 5 assumes
- 2 RAP DSM; is that correct?
- 3 A. Right.
- Q. Okay. And the difference in PVRR going with RAP
- 5 rather than low risk is about \$1.6 billion?
- 6 A. That's right.
- 7 Q. Okay. Would there be an amount of lost revenue
- 8 that a company would accept in order to reduce PVRR by \$1.6
- 9 billion?
- 10 A. I don't believe there is, particularly when you
- 11 look at the recent history and the fact that we spent \$70
- 12 million on energy efficiency programs in the last three years
- and by the time the effects all wash through, in particular rate
- cases, we will have incurred \$50 million in lost revenue as a
- 15 result of doing that.
- So I think the threshold is not one of, you
- 17 know, what could be on an ongoing basis. It's, you know, we've
- done this to this point. We need to have this issue addressed
- before we can constructively continue to pursue energy
- 20 efficiency. So really it's the -- it's the mounting weight of
- 21 the financial harm that was already occurred or will be
- 22 incurred, is guaranteed to be incurred that weighed into the
- 23 decision-making process.
- Q. Okay. And the -- the RAP leads to a -- to a
- 25 reduction in return on equity in comparison to the low risk

- 1 scenario?
- 2 A. Yeah. That's --
- 3 Q. Is that correct?
- 4 A. That's illustrated by the tables that we were
- 5 looking at previously that showed the ROE impact of lost
- 6 revenue.
- 7 Q. Okay. So if you look at the -- the preferred
- 8 resource plan dashboard on Chapter 10, Appendix B, Page 5 --
- 9 A. The preferred plan is on Page 1.
- 10 Q. The preferred -- I'm sorry. You're right. On
- 11 Page 1.
- 12 A. Uh-huh.
- Q. And it's very small print, but it says average
- ROE 12.34 percent; is that correct?
- A. Uh-huh.
- Okay. And then the RAP version of that plan is
- on Page 5; is that correct?
- 18 A. Right.
- 19 Q. Appendix B?
- 20 A. Right.
- Q. And it says average ROE is 12.44 percent?
- 22 A. That's right. And those reflect the results
- 23 over the entire 29-year period over which the financial measures
- 24 were -- were developed and reflects the fact that, you know --
- 25 in those charts that we were looking earlier it shows that as

- 1 the impacts of energy efficiency level off, the lost revenue
- 2 problem kind of tails off because you're then replacing, you
- 3 know, energy efficiency reductions with ones that have rolled
- 4 off and so there is no -- no significant net reduction in sales
- 5 that leads to lost revenue at that point.
- 6 So all the lost revenues that impact the ROE are
- 7 concentrated at the front end of the study period.
- 8 Q. But over the whole life of the IRP study period
- 9 Ameren actually has an higher ROE under the RAP approach than
- 10 under the low risk approach; is that correct?
- 11 A. Yes. And that's also partly driven by the fact
- 12 that under -- under the regulatory treatment that currently
- exists there is a return on the -- on the regulatory asset by
- 14 which the DSM program costs are recovered. The one that I spoke
- of earlier where, you know, in -- the regulatory asset builds up
- to 100 of millions of dollars that also presents a potential
- 17 cost recovery risk to the company.
- Q. And what is -- what is Ameren's current return
- 19 on equity?
- 20 A. I -- I don't know for sure.
- Q. Do you know is it --
- 22 A. Are you asking Ameren or Ameren Missouri?
- 23 Q. Ameren -- Ameren Missouri.
- A. It's less than 10. It may be around 9 percent
- for -- for calendar year 2010.

- 1 Q. Okay.
- 2 A. Something to keep in mind though, you know, is
- 3 when we're looking at these analysis results particularly with
- 4 PVRR is that this -- this reflects no regulatory lag at all, so
- 5 you don't see the effects of lost revenue.
- 6 Q. One second here. So if you turn to Page 18 of
- 7 Chapter 9 of the IRP.
- 8 A. Okay.
- 9 Q. And at Table -- it says 0--
- 10 A. 0.10. Yeah.
- 11 0. 0.1?
- 12 A. That's a -- that's a typo.
- 13 Q. It talks about uncertain factors; is that
- 14 correct?
- A. Uh-huh.
- Q. And one of them is return on equity; is that
- 17 correct?
- 18 A. That's right.
- 19 Q. Okay.
- 20 A. That represents allowed ROE that would be
- 21 assumed for purposes of calculating rates.
- Q. Okay. And so the low base and high assumed ROEs
- 23 for purpose of calculating rates are all higher than Ameren's
- 24 current ROE; is that correct?
- 25 A. That's right.

- 1 Q. Okay.
- 2 A. This represented a rising interest rate
- 3 environment, so we were trying to reflect this over the 20-year
- 4 planning horizon and not just what exists today where we've got
- 5 very low interest rates.
- 6 Q. All right. And so as part of the IRP process
- 7 Ameren evaluated retirement of Meramec in different possible
- 8 years; is that correct?
- 9 A. Yes. When we were looking at alternative
- 10 resource plans, initially we were looking at a couple of
- 11 different retirement dates, 2022 and 2015. When we incorporated
- 12 the compliance with the two different environmental regulation
- scenarios, then we had a specific driver for a potential
- 14 retirement date to avoid large investments in control equipment.
- 15 Q. And did natural gas price projections play a
- 16 role in assessing whether to retire Meramec?
- 17 A. Certainly they did. They were part of the
- 18 scenarios in what we call a dependent uncertain factor.
- 19 Q. Okay. Okay. And do you have your response to
- 20 comments?
- 21 A. Yes.
- Q. Would you turn to Page 69.
- 23 A. Okay.
- Q. And there's a discussion on this page regarding
- 25 natural gas prices; is that correct?

- 1 A. That's right.
- Q. Okay. And there's Ameren's response to Staff's
- 3 concern that the forecast gas prices used in the IRP are higher
- 4 than what is being reported in -- by the EIA; is that correct?
- 5 A. Right. Based on AEO-2011 that came out
- 6 earlier this year. That's correct.
- 7 Q. Okay. And Ameren has acknowledged that -- it
- 8 states here that -- quote -- major shifts have recently occurred
- 9 in natural gas markets and the price forecasts have changed
- 10 dramatically since the IRP analysis was performed; is that
- 11 correct?
- 12 A. That's right. That's why we're incorporating it
- into our 2012 IRP annual update.
- 14 Q. Okay. And those natural gas prices are now
- 15 lower?
- 16 A. That's right.
- 17 Q. Okay. Which would -- if you plug that into your
- 18 modeling that would -- that would militate in favor of
- 19 retirement over continued operation of Meramec in comparison to
- what you previously modeled?
- 21 A. Not necessarily because our expectations with
- 22 respect to the environmental regulations have changed at the
- time that we did this analysis in 2010. So it doesn't
- 24 necessarily mean it's going to favor retirement if for instance
- 25 there's no requirement for a scrubber under the environmental

- 1 regulations that we expect now.
- 2 Q. But holding up to everything else constant, if
- 3 all you change is the natural gas price?
- 4 A. If we used all the other assumptions that we
- 5 made in 2010 and only changing natural gas prices, then you
- 6 know, power prices you would expect to be lower and therefore
- 7 the value in continuing to operate Meramec would be lower.
- 8 Q. Which would -- holding everything else equal
- 9 would be more in favor of retirement than the initial analysis.
- 10 Correct?
- 11 A. Right. Right.
- 12 Q. If we could go back to Exhibit 39HC. We can go
- into in camera.
- JUDGE WOODRUFF: We need to go in camera, then?
- 15 MR. FISK: Yes, please. Thank you. So we're
- 16 back to --
- 17 JUDGE WOODRUFF: Just a moment.
- 18 MR. FISK: Sorry.
- MS. TATRO: He's not quite there yet.
- 20 (REPORTER'S NOTE: At this point, an in-camera
- 21 session was held, which can be found in Volume 3, Page 202 to
- 22 Page 203 of that transcript.)

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- 1 JUDGE WOODRUFF: We're back in regular session
- then. And just to be clear, you're saying nothing else
- 3 entirely, not just --
- 4 MR. FISK: Yeah. Nothing else.
- JUDGE WOODRUFF: All right. We are due for a
- 6 break. We'll take a break before we go on to the next --
- 7 continuing this cross-examination. And we'll come back at 3:05.
- 8 (Off the record.)
- 9 JUDGE WOODRUFF: All right. Let's come back to
- order, please. We're back from our break and we'll move on for
- 11 cross-examination to MIEC.
- 12 CROSS-EXAMINATION BY MS. VUYLSTEKE:
- 13 O. Good afternoon, Mr. Michaels.
- 14 A. Good afternoon.
- 15 Q. Mr. Michaels, I think you testified that the
- 16 revenue requirement projection that's associated with the
- 17 resource plans evaluated in Ameren's IRP process reflected
- 18 consideration in potential greenhouse gas regulations that will
- impose costs on CO2 emissions?
- 20 A. They do, 33 percent probability.
- 21 Q. Please explain how that was factored into the
- 22 resource plan evaluations.
- 23 A. Okay. We looked at uncertain factors including
- 24 what we referred to as dependent uncertain factors, which are
- 25 those that have an interactive nature with one another to come

- 1 up with the estimates for the values of those dependent
- 2 uncertain factors. We relied on Charles River Associates, CRA,
- 3 to perform some sophisticated econometric and electric system
- 4 modeling to develop price scenarios that reflected variations in
- 5 gas prices, electric system load growth for the Eastern
- 6 interconnect and the also greenhouse gas regulations.
- 7 There were ten scenarios and with a 33 percent
- 8 probability we had, I think it was four scenarios, that
- 9 reflected a cap and trade scheme in combination with two
- 10 different levels of load growth, two different levels of gas
- 11 prices, so that had a 33 percent probability. All of the
- 12 alternative and candidate resource plans were run through a
- probability tree that included those scenarios. In the case of
- 14 alternative resource plans, we ran it only those scenarios.
- 15 When we got to risk analysis and evaluation of
- 16 candidate resource plans, we evaluated each of the plans under
- both those scenarios and what we call independent uncertain
- 18 factors, which included project costs for supply-side resources,
- 19 DSM cost and performance for DSM resources and then also
- 20 financing costs in the form of long-term debt, interest rates
- 21 and allowed ROEs.
- 22 Q. Okay. Approximately what magnitude of cost per
- ton was used for the CO2 costs?
- 24 A. I'd have -- I'd have to look. I -- I believe it
- 25 was in the \$30 range in 2025, but I can tell you for sure. What

- 1 we assumed was about \$30 by 2030.
- 2 Q. If the IRP process were to be repeated today, do
- 3 you think that the probability of greenhouse gas regulation
- 4 would be higher or lower than what was used in your projections?
- 5 A. In the form of cap and trade, I would expect the
- 6 probability to be lower.
- 7 Q. If the IRP process were to be repeated today, do
- 8 you think that the level of greenhouse gas emission prices or
- 9 penalties would be higher or lower than what is assumed in the
- 10 current plan?
- 11 A. I would them expect them to be around the same
- 12 level of magnitude.
- Okay. I think you said if the IRP process were
- 14 conducted today the forward prices for natural gas would be
- 15 lower than what is included in your current plan?
- 16 A. That's correct.
- 17 Q. If forecasted prices for natural gas were lower
- and the assumptions about the level of any greenhouse gas
- 19 related emission allowance cost or penalties were lower, would
- 20 this mean that Ameren Missouri's avoided costs would be lower?
- 21 A. That's correct.
- 22 Q. If avoided costs were lower, does this mean that
- demand-side management programs would generally be less
- 24 attractive than they are under your current IRP assumptions?
- 25 A. They wouldn't be as cost effective as they

- 1 appeared in our 2010 analysis. I would expect that they would
- 2 by and large still appear cost effective in general.
- Q. Less cost effective? It would be less cost
- 4 effective; is that correct?
- 5 A. Yes, to the -- to the extent the avoided costs
- 6 were lower than what we assumed in 2010.
- 7 Q. Okay. Now, can you list for me the primary
- 8 factors that Ameren Missouri believes should be considered in
- 9 making a resource plan selection?
- 10 A. Sure. They're the ones that were listed on the
- 11 scorecard that we were talking about in Chapter 10, which
- included PVRR, rates, rate impacts, financial and regulatory
- 13 considerations, economic development and environmental and
- 14 portfolio diversity.
- 15 Q. Okay. Can I refer you to Page 29 of your
- 16 surrebuttal testimony.
- 17 A. Okav.
- Q. And you discuss there the difference between
- 19 decision factors and -- quote/unquote -- other considerations.
- 20 Do you have that?
- 21 A. Yes.
- 22 Q. Okay. On Lines 14 and 15 you refer to Kansas
- 23 City's Power and Light Company's regulatory plan to support the
- 24 construction of Iatan Unit 2 as a plant financing solution that
- is achieved through regulation under current law. Do you see

- 1 that?
- 2 A. Yes.
- 3 Q. So I -- would you agree that there are
- 4 regulatory solutions available under current law to permit
- 5 financing or large, new capital-intensive investments in
- 6 generation facilities without changing the law; is that
- 7 accurate?
- A. I believe so, yes.
- 9 Q. If the cost associated with the emission of
- 10 carbon dioxide were decreased from what was assumed in your
- 11 economic evaluation, would that have the tendency to reduce the
- 12 economic attractiveness of nuclear facilities relative to
- 13 combined-cycle gas facilities?
- 14 A. In general, I would expect so, yes.
- 15 Q. If the forecasted of natural gas prices were for
- 16 lower values than what has been included in your economic
- 17 evaluations, would that also have the effect of reducing the
- 18 relative attractiveness of a nuclear expansion option?
- 19 A. I think we'd have to consider what the -- what
- 20 the relative risk ranges are around the different variables
- 21 involved in order to really come up with a conclusion. Those
- are the kinds of questions that we're trying to answer in
- 23 conducting our 2012 IRP update.
- Q. All other things being equal?
- 25 A. Yes. I would expect so.

- 1 Q. Is it true that under a moderate environmental
- 2 regulation scenario that a nuclear expansion option is not part
- 3 of the preferred resource plan?
- 4 A. That's correct.
- 5 Q. Do you discuss your assumptions regarding the
- 6 cost of constructing nuclear units beginning at Page 88 of your
- 7 surrebuttal testimony?
- 8 A. Yes.
- 9 Q. Do you continue to maintain that the cost
- 10 effectiveness -- excuse me -- the cost estimates used in your
- 11 IRP filing are reasonable given nuclear industry construction
- 12 cost experience and estimates as of today?
- 13 A. I think in general the range is still fairly
- 14 close. We're updating that range for our 2012 IRP update and
- 15 expect it to be higher than what we used in the 2010 IRP.
- 16 Q. Have you followed the progress of escalating
- 17 cost forecasts for nuclear units under construction for plants
- such as the Vogtle plants in Georgia, the Sumner Units in South
- 19 Carolina, the Duke Power Company units in North Carolina and the
- 20 Florida Power Appropriation in Florida Power and Light cost
- 21 estimates for units proposed to be constructed in Florida?
- 22 A. I haven't personally followed the construction
- 23 costs of elements of all of those units, but we do rely on
- 24 experts in our nuclear operations to follow that and inform of
- 25 us of relevant trends.

- 1 Q. Based on the knowledge that you gain through
- 2 your experts who follow those, what is your understanding of the
- 3 experience with cost estimates and construction time estimates
- 4 for these units?
- 5 A. In general over the, you know, the mid-2000s,
- say 2005 and thereabouts, we've seen some increases in cost
- 7 estimates driven heavily by increases in -- in material costs
- 8 due to global demand for things like copper, steel, concrete.
- 9 Q. Okay. Now, I'd like to refer to Chapter 10 of
- 10 your integrated resource plan entitled Strategy Selection.
- 11 A. Okay.
- Q. And I'll refer you to Chapter -- excuse me --
- 13 I'll refer you to Table 10.1 on Page 4.
- 14 A. Okay.
- 15 Q. Does this illustrate the impact of sales
- variations on Ameren Missouri's return on equity?
- 17 A. Yes, in a generic sense.
- 18 Q. Does the last line on that table indicate that
- 19 your modeling suggest that a 1 percent variation in sales
- volumes, either up or down, produces about a 36 or -- excuse
- 21 me -- 36 or 37 basis point change to return on equity?
- 22 A. Yes.
- 23 Q. Could variations in weather from year to year
- 24 cause changes in sales volumes of more than 1 percent as
- compared to normal weather?

- 1 A. I don't know for sure, but I don't think it
- 2 would be unreasonable to expect something like that.
- 3 Q. Okay. And now could you please turn to Table
- 4 10.3 on Page 6 of Chapter 10?
- 5 A. Okay.
- 6 O. And does this table show certain financial
- 7 parameters under four different approaches for recovering DSM
- 8 program costs?
- 9 A. Yes.
- 10 Q. And could you explain what those four are?
- 11 A. Yes. I'm going to start at the right end
- 12 because that's the treatment that's in place today; six-year
- 13 capitalized and amortized. And in that case program costs are
- 14 collected in a regulatory asset and amortized over six years,
- 15 accruing AFEDC from the time they're incurred until the time
- 16 they're placed into rates.
- Q. And would you --
- 18 A. That's -- that's the first one.
- 19 Q. Okay.
- 20 A. Do you want me to keep going through them?
- Q. Yeah. Please do.
- 22 A. The -- the second column from the right is
- 23 essentially the same as the -- the one I just explained except
- the amortization period is three years. And then the forecast
- 25 expense tracker would look forward over some period of time to

- 1 estimate an average expense that would be incurred over that
- time and included in rates and have a tracker around it to
- 3 measure the over or under recovery of costs associated with
- 4 those program costs.
- 5 The historical expense tracker would do a
- 6 similar thing, but instead of looking forward and taking an
- 7 average, it would be based on history.
- 8 Q. Okay. Would you agree that all the four methods
- 9 set forth in -- excuse me -- of all the four methods set forth,
- 10 Ameren Missouri's average return on equity is the highest with
- 11 the six-year capitalization and amortization approach?
- 12 A. Yes.
- 13 Q. Is it true that Ameren Missouri's utility's
- 14 earnings are also highest under the six-year capitalized and
- 15 amortized scenario?
- 16 A. They are if you assume no risk with respect to
- 17 recovery of the regulatory asset.
- 18 Q. Is it true that when the six-year capitalized
- and amortized approach is used, Ameren has a higher investment
- 20 base that it can earn on?
- 21 A. It's -- it's not necessarily true. It depends
- 22 on what the competition for capital is across all investment
- 23 opportunities within the company. We don't have an unlimited
- 24 capability to finance investments in projects that we think on
- an individual basis are appropriate. So there is competition

- for capital among any resources which are capitalized and
- 2 recovered over some period of time.
- 3 So in that respect, you know, if we had no
- 4 choice but to capitalize the costs of these resources, it's
- 5 likely that we would have to reduce the amount that's invested
- 6 in other projects through -- through deferrals of some sort. So
- 7 I don't think it's necessarily true that we have a larger
- 8 investment base if we capitalize the cost of DSM programs.
- 9 Q. Well, if I refer back to your chart, Table 10.3.
- 10 A. Uh-huh?
- 11 Q. And you look at regulatory asset in 2030 under
- 12 six-year capitalized and amortized, is that not the highest
- 13 amount?
- 14 A. Absolutely. That's what causes us some concern
- about the potential for disallowance of those costs.
- Q. So your -- and if they work, you're not likely
- to get a disallowance, is that fair to say?
- A. I'm sorry. What?
- 19 Q. Your -- do you believe that it would be likely
- that you would get a disallowance if that worked?
- 21 A. I'm not going to hazard a guess about what any
- 22 future commission might find with respect to the recoverability
- of costs that are collected in regulatory assets. I also have
- 24 some concerns based on advice from our accounting experts with
- 25 respect to imposition of international accounting standards that

- 1 may not allow for the booking of regulatory assets. So that's
- 2 kind of why I shy away from the -- from the capitalization
- 3 approach to recovering DSM costs.
- 4 Q. Those accounting regulations are not in place,
- 5 are they, Mr. Michaels?
- A. Not today, no. But we expect those to be in
- 7 place at some point in the future and there's some uncertainty
- 8 about whether or not regulatory assets would be allowed.
- 9 Q. And some uncertainty about whether the rules
- 10 will change?
- 11 A. Sure.
- 12 Q. Okay. And then --
- MS. VUYLSTEKE: I have no further questions.
- JUDGE WOODRUFF: Okay. Then we'll move on to
- MDNR.
- MS. FRAZIER: Thank you. I have just a few.
- 17 CROSS-EXAMINATION BY MS. FRAZIER:
- 18 Q. I believe in response to some questions from
- 19 Mr. Fisk when you were discussing or preparing various plans,
- 20 you stated that lost revenues continued to build up? Do you
- 21 remember that statement or that context to that discussion?
- 22 A. Are you referring to my reference to the lost
- 23 revenues that we have incurred and will incur as a result of the
- 24 programs that we've already implemented?
- Q. Right.

- 1 A. Yes.
- Q. And I think you said something to the effect
- 3 that they would continue to build up over the next course of 20
- 4 years under which the plans were formulated; is that right?
- 5 A. Are you asking me about the programs that we've
- 6 already implemented in 2009 to 2011 or are you asking about the
- 7 different portfolios in the candidate resource plans?
- 8 Q. The latter.
- 9 A. Okay. In the candidate resource plans, yes. So
- 10 the chart that we were referring to earlier showed the lost
- 11 revenue impact on earnings, on ROE specifically, for both the
- 12 RAP and low risk portfolios under a variety of rate case
- 13 frequency assumptions.
- 14 Q. Okay. But isn't it true that lost revenues end
- 15 every time rates are reset?
- 16 A. No. That's not true because one of the -- one
- of the particularities of the rate setting process is that costs
- are not trued-up to the same date that billing units are
- 19 trued-up and also you have ongoing effects from -- you know, say
- for instance during the test year somebody implemented and
- 21 energy efficiency measure in December. Well, you've only got
- 22 one-twelfth of the year reflected in the billing units
- associated with that particular measure and so in the future
- you're going to have 12 months of that measure.
- 25 So if you've only got one-twelfth of it, you

- 1 still have to wait until a future rate case, maybe even two or
- 2 three rate cases to fully reflect the impact on the billing
- 3 units of those measures that are implemented during and up to
- 4 the test year.
- 5 Q. Okay. So based on what you just said, it is
- 6 reflected or may be reflected in future rate cases?
- 7 A. Yes.
- 8 Q. Okay. All right. Do you have the rules in
- 9 front of you?
- 10 A. I do.
- 11 Q. Okay. Can you please refer to 4 CSR 240-22.010
- 12 Subparagraph C.
- 13 A. (2)(C)?
- 14 Q. (2)(C). Thank you.
- 15 A. Okay.
- 16 Q. And I'd like to focus on the second sentence in
- 17 (2)(C).
- 18 A. Okay.
- 19 Q. It says: The utility shall document the process
- and rationale used by decision makers to assist trade offs and
- 21 determine the appropriate balance between minimizations of
- 22 expected utility costs and other considerations in selecting the
- 23 preferred resource plan and developing contingency options. Are
- 24 you with me?
- 25 A. Yeah. I'm with you.

- 1 Q. All right. During the management meetings that
- 2 you referenced in early testimony in October and November of
- 3 2010, I believe you stated you were present; is that correct?
- Did the management teams specifically review, discuss the three
- 5 decision factors that would be used as constraints under
- 6 (2)(C) -- Section (2)(C)?
- 7 A. Yes.
- 8 Q. And did the management team specifically discuss
- 9 the requirements of -- did the management team -- excuse me --
- 10 discuss the -- assess the trade offs associated with those
- 11 constraints?
- 12 A. Yes. For the DSM cost recovery decision factor,
- the analysis that we did, which is what I just described, showed
- $\,$  14  $\,$  what the lost revenue impact was of both the RAP DSM and low
- 15 risk DSM portfolio. At that point when we were looking at
- 16 candidate resource plans, we had already eliminated a no DSM
- 17 portfolio.
- 18 Based on the increasing concern about the -- the
- impact of DSM programs and the ability to earn a -- our allowed
- 20 return, management wanted to include in the preferred resource
- 21 plan a portfolio that minimized the impact of that lost revenue.
- 22 At that time we were also involved in our most
- 23 recent rate case in which we were seeking first a fixed cost
- 24 recovery mechanism, essentially a lost revenue recovery
- 25 mechanism and switch to a billing unit -- a billing unit

- 1 addition to try and address the throughput disincentive for the
- 2 programs that we were implementing at the time and expected to
- 3 be implementing in the near future at that time.
- 4 As -- as those -- those efforts to seek an
- 5 interim solution to the throughput disincentive were disallowed,
- 6 that -- that -- that concern has increased to the point where we
- 7 filed our notice of change in preferred plan in late October to
- 8 reflect only a small amount of DSM in -- in the current year, or
- 9 in 2012, until we were able to make a MEEIA filing and get
- approval of that at which point we would seek RAP DSM starting
- in 2013 and for a three-year period.
- 12 Q. I'll take that as a yes? The answer to my
- 13 question was yes, you did --
- 14 A. Yes.
- 15 Q. -- consider the --
- 16 A. Yes. We did.
- 17 Q. -- trade offs? Thank you. And where is that
- 18 document?
- 19 A. In Chapter 10? I'll have to find a specific
- 20 reference.
- 21 Q. If you say Chapter 10 --
- 22 A. It's in Chapter 10.
- 23 Q. All right. Did the management team receive and
- 24 review any analysis that pertains to the requirement in that
- section of determining the appropriate balance between

- 1 minimization and expected utility costs and other
- 2 considerations?
- A. Did they receive any information?
- Q. Uh-huh.
- 5 A. Well, what we were provided was the evaluation
- of the lost revenue impact and they used that in their
- 7 determination of whether or not we could pursue a plan with RAP
- 8 DSM based on the -- based on the rule citation we were just
- 9 discussing.
- 10 Q. Did the management team specifically discuss and
- analyze the requirements in (2)(C) Subsections 1, 2 and 3, which
- are specific considerations that are listed?
- 13 A. Yes. Number 1 through the risk analysis, you
- 14 know, we did evaluate the impact of critical uncertain factors
- on plan performance. Under Sub 2 we evaluated two different
- 16 scenarios for environmental regulation; the moderate and
- 17 aggressive, which we've discussed during previous Q And A.
- And 3, rate increases associated with
- 19 alternative resource plans. We didn't see a rate impact that
- 20 rose to the level, you know -- for instance in the RAP DSM plans
- 21 we saw -- under moderate environmental regulation, we saw an
- 22 increase in -- in rates of maybe up to a penny a kilowatt hour.
- 23 That, you know, based on the review by management, didn't rise
- 24 to the level of something that we believed would constrain the
- 25 minimization of PVRR.

- 1 Q. All right. I'd like to change gears a little
- 2 bit then. Did you participate in stakeholder meetings in 2010?
- 3 A. Yes.
- Q. All right. And do you recall a September 14,
- 5 stakeholder meeting?
- 6 A. I --
- 7 Q. Or a meeting in September 2010, let's say.
- 8 A. I -- I understand from looking at some materials
- 9 that we had one and that I participated. I don't -- I don't
- 10 have a specific recollection of it in my mind.
- 11 Q. All right.
- 12 MS. FRAZIER: Your Honor, may I approach?
- JUDGE WOODRUFF: You may.
- 14 MS. FRAZIER: I should have said that before I
- 15 stood up. I just handed you, everyone, that I just handed
- Mr. Michaels a copy of MDNR's comments dated June 23rd, 2011,
- 17 which are marked as Exhibit No. 18. They have not been admitted
- yet, but they have been premarked and we will be admitting those
- 19 later.
- 20 BY MS. FRAZIER:
- Q. Have you seen this document before?
- 22 A. Yes.
- 23 Q. And can you please turn to Page 11. I'll be
- 24 happy to wait for others to catch up. And this is a discussion
- of MDNR deficiency No. 2?

- 1 A. Okay.
- Q. At the bottom paragraph on Page 11 it's talking
- 3 about September 14th stakeholder meeting of 2010.
- 4 A. Right. Right.
- 5 Q. That you said you were at. And there's a quote
- from the transcript of that meeting that begins on Page 11 and
- 7 goes to the top of Page 12. And I'd like to focus on the last
- 8 page -- or the last sentence, which is at the top of Page 12.
- 9 A. Okay.
- 10 MS. TATRO: I'm sorry. I'm having trouble
- 11 finding it.
- MS. FRAZIER: You bet. Okay. So June 23rd.
- 13 It's Page 11 of 33 of MDNR's comments.
- MS. TATRO: Okay.
- 15 BY MS. FRAZIER:
- Okay. So now we're on Page 12, though. We
- 17 started on -- the quote begins on Page 11 and goes on to Page
- 18 12. Would you agree that that's a discussion of DSM cost
- 19 recovery decision factors? The quote that begins on Page 11 and
- goes to Page 12.
- 21 A. It looks like that's subject of the discussion,
- 22 yes.
- 23 Q. And the last sentence reads: But the idea here
- 24 again, is that again we'll look at our potential portfolios
- 25 under different cost recovery mechanisms and be able to

- determine what kind of cost recovery does it take in order to
- 2 enable achievement of different levels of demand-side savings.
- 3 A. Uh-huh.
- Q. Do you know who made that statement?
- 5 A. Was it me?
- Q. I believe it might have been. Do you recall
- 7 making it?
- A. I don't recall making it, but since we have a
- 9 transcript, I accept that it was me.
- 10 Q. All right. So based upon that statement, do you
- 11 think it's reasonable for stakeholders to assume that you're
- 12 going to be looking at potential portfolios under different cost
- recovery mechanisms to determine what type of cost recovery
- it'll take to achieve different levels of demand-side savings?
- 15 A. I think I would expect that as a stakeholder,
- based on our expectation as we knew it at the time, yes.
- 17 Q. Thank you. All right. So I'd now like to turn
- 18 to your testimony.
- 19 A. Okay.
- 20 Q. Surrebuttal testimony on Page 16, if you could
- 21 refer to that. And the question at the top of the page has to
- 22 do with an explanation of why an evaluation of different cost
- 23 recovery mechanisms were not -- was not conducted.
- A. Uh-huh.
- 25 Q. And the very last sentence -- I'm sorry -- the

- 1 last two sentences of the first full paragraph answer of your
- 2 testimony says: Therefore there are no points on a continuum of
- 3 cost recovery possibilities at which the constraint is removed.
- 4 It's either addressed or it isn't. Establishing the need to
- 5 address disincentives is all the analysis that is required and
- 6 all the analysis that can be meaningful as part of an IRP.
- 7 A. Yes.
- 8 O. Is that correct?
- 9 A. Uh-huh.
- 10 Q. So at what point in the IRP process was the
- 11 decision made to not conduct the cost recovery analysis?
- 12 A. I believe it was at the time that we were
- 13 having -- having our discussions with the Ameren Missouri
- 14 management team about really what -- what does it take to do RAP
- 15 DSM. It came out during those discussions that really the
- 16 throughput disincentive was a -- was a minimum requirement that
- 17 had to be addressed, but also the recovery of costs that
- 18 currently are being collected through amortization of a
- 19 regulatory asset.
- 20 So during those discussions it was determined
- 21 that this was really a threshold addition rather than a
- 22 continuum of possibilities. And really as I say in this same Q
- and A that you pointed to, it doesn't really matter to a great
- 24 extent how that throughput disincentive is addressed, it's just
- 25 important that it be addressed.

- 1 And so that was really the -- the basis for
- 2 saying, you know, what we really need to do is assess the
- 3 problem, identify the issue, show it as a constraint and then,
- 4 you know, after the -- after the IRP filing and after the MEEIA
- 5 rules were adopted, determine that really the way to resolve
- 6 this is through a MEEIA filing.
- 7 Q. So that -- so was it at that point that the use
- 8 of demand-side cost recovery mechanism as a decision factor was
- 9 created or formed?
- 10 A. No. We had -- we had introduced the term, which
- describes the concept listed in 22.010 (2)(C) earlier than that.
- 12 It's just that the way we evaluated it became different than
- what we expected to at a previous point.
- 14 Q. How much earlier in the process?
- 15 A. Well, this was September, where you're pointing
- 16 to the quote. And the -- and the stakeholder meeting, the
- discussions with management were in October and November.
- 18 Q. How and when was this decision communicated to
- 19 stakeholders?
- 20 A. We didn't have another stakeholder meeting
- 21 until, I think -- I think we had one the day before we filed the
- 22 IRP. I don't remember if we -- if we specifically highlighted
- 23 that. Certainly we had some meetings after the IRP was filed in
- 24 early April and those were fuller of discussions of what was
- 25 included in the filing.

- 1 Q. So to your recollection, that was not
- 2 communicated to the stakeholders in that meeting you just
- 3 referred to?
- A. At which meeting?
- 5 Q. The day before the filing?
- 6 A. The day before the filing? I don't remember if
- 7 we did or not. We -- really what we did the day before the
- 8 filing was just do sort of a quick walk-through of what was in
- 9 the IRP. I don't remember how much we got into specifics. I
- 10 think it was a fairly short discussion.
- 11 MS. FRAZIER: If I could just have a minute. No
- 12 further questions.
- 13 JUDGE WOODRUFF: Thank you. Public counsel?
- 14 CROSS-EXAMINATION BY MR. MILLS:
- 15 Q. Good afternoon, Mr. Michaels.
- A. Good afternoon.
- 17 Q. You got a lot of questions from a lot of people
- and some of them overlap with some of the things I want to talk
- about, so I'll try not to be repetitive, but I run the risk of
- 20 being somewhat disjointed.
- 21 A. Okay.
- 22 Q. Try to bear with me. Just starting with the
- 23 general background of your position, how many employees do you
- 24 supervise currently?
- 25 A. Currently -- hold on a second. It just changed.

- 1 Four.
- Q. Okay. And in your -- do your current job
- 3 responsibilities only including -- only include planning
- 4 analysis for Ameren Missouri?
- 5 A. No. We also do work for Ameren Energy
- 6 Resources.
- 7 Q. Okay. Do you do any for Ameren Energy
- 8 Generation?
- 9 A. When I say Ameren Energy Resources, I'm talking
- 10 generally about the business segment, which includes Ameren
- 11 Energy Generation.
- 12 Q. And Ameren Energy Marketing as well?
- 13 A. Yes.
- Q. Okay. And so is that just you or you and the
- employees that work for you?
- 16 A. Me, the employees that work for me and then also
- 17 upper employees in corporate planning do tend to get involved.
- 18 Q. So as part of those other duties have you been
- 19 involved in some Amerenwide planning analysis such as the
- 20 Amerenwide Generation planning initiative?
- 21 A. Do you mean the Ameren Generation Initiative?
- 22 Q. Yes.
- 23 A. Okay. Yes.
- 24 Q. Can you give me a brief description of that
- 25 initiative?

- 1 A. The purpose of the initiative was really to
- 2 evaluate the long-term portfolio mix of generation across the
- 3 Ameren companies, which would include Ameren Missouri and what
- 4 I've referred to as AER, the business segment, and to determine
- 5 what an appropriate portfolio mix would be given the potential
- 6 for future environmental regulations. That was the initial --
- 7 initial charter for that initiative.
- Q. And what's the current status of the initiative?
- 9 A. The -- the main thrust of the initiative is
- 10 essentially wrapped up, so we've done some sort of wrap-up
- 11 reporting about what was -- what was going on with each of
- 12 Ameren Missouri and AER. So essentially that phase of it is
- 13 complete. The planning for generation-related things continues
- 14 to go on, but the main thrust of that initiative as it was
- 15 conceptualized is complete.
- Okay. And when you said reporting, was the
- 17 report on the findings reported to the Ameren Board of
- 18 Directors?
- 19 A. Some of -- I believe the major decisions were
- 20 reported to the Ameren Board of Directors. I don't know that
- 21 there was a comprehensive report on the entire initiative
- 22 provided to the Ameren Board.
- 23 Q. Okay. And did any of those decisions have
- impacts on -- on Ameren Missouri?
- 25 A. Absolutely. I think the main one was -- was our

- decision to enter into long-term contracts for ultra low sulfur
- 2 coal for compliance with environmental regulations.
- 3 Q. Was one of the goals of the initiative to
- 4 develop a plan that optimized the Ameren fleet of generation on
- 5 an Amerenwide basis?
- A. I think that was true with respect to Ameren
- 7 Missouri and AER, individually, to the extent that it was to
- 8 optimize the Ameren generation fleet. I believe the focus was
- 9 on how that would be accomplished with AER.
- 10 Q. Now, turning back to the IRP -- to this
- 11 particular IRP filing, can you describe specifically your role
- in the -- in the process including the plan selection and rule
- 13 compliance process?
- 14 A. Sure. I had general oversight responsibility
- 15 for the specific analysis that was done for the IRP and when it
- came to the management decision process, I was the primary
- 17 coordinator for organizing those discussions, preparing
- 18 materials and then -- and then leading the team through the
- 19 discussions of the various analyses and materials that we had
- 20 provided to them on which to base their decisions.
- 21 Q. With -- and I think I asked Mr. Wood this
- 22 earlier and he wasn't sure of the answer: Were there
- 23 consultants hired to work on the IRP process who didn't file
- 24 testimony in the case?
- 25 A. Yes. You know, we used Black and Veatch for a

- 1 number of analyses including an evaluation of coal and gas
- 2 supply-side resource options. Black and Veatch also separately
- 3 performed an evaluation of renewal energy potential within the
- 4 state of Missouri and -- and immediate surroundings. We relied
- 5 on a -- the Burns and Mac study that we discussed earlier with
- 6 respect to cost property, Meramec out in the future for a number
- of different retirement date scenarios. That wasn't -- actually
- 8 that was done as a -- as a result of review of the 2008 IRP.
- 9 We used Charles River Associates, CRA, to run
- 10 out scenario model that we used for risk analysis for dependent
- 11 uncertain factors, that's gas prices, low growth and greenhouse
- gas policy. Let's see, I think -- I think RIZZO may have
- 13 provided an estimate of the cost for -- for a pump storage plant
- 14 at Church Mountain that we evaluated in our alternative resource
- 15 plans. Those are the main ones that come to mind.
- Q. Now -- and this is -- I'm not even sure exactly
- 17 how this came up, but in response to one of the questions from
- Mr. Williams you discussed a scenario in which a regulatory
- 19 asset could grow to \$600 million.
- 20 A. Right. Yeah. 659 was actually the number if
- 21 you look on the table that we were discussing earlier.
- 22 Q. And how many years between rate case filings
- does it take for it to grow to that amount?
- A. How many years between rate case filings? Well,
- 25 I'm not sure that it matters how many years there are between

- 1 rate case filings. What matters is at what point do you sort of
- level off where what you're spending is equivalent to what
- 3 you're amortizing in any given year, so you know the regulatory
- 4 asset reaches a -- over points in time really regardless of what
- 5 the rate case assumptions might be.
- 6 Q. Do you have a copy of the integrated resource
- 7 plan filing there with you?
- 8 A. Yes.
- 9 Q. Can I get you to look at Chapter 9, A?
- 10 A. Chapter 9, Appendix A?
- 11 Q. Chapter 9, Appendix A. Yeah.
- 12 A. Okay. What page?
- 13 Q. Page 30.
- 14 A. 30. Okay.
- 15 Q. Table 9A-3, that table is intended, in part at
- least, to comply with requirements in 070 (5)(A); is that
- 17 correct?
- 18 A. Yes.
- 19 Q. And those figures are all expected values.
- 20 Correct?
- 21 A. Right.
- 22 Q. Does the -- do the numbers that we see in the
- 23 first column reflect the expected value of complying with future
- 24 EPA regulations of air emissions, ash waste and water?
- 25 A. Yes, they do.

- 1 Q. Can you show me the subjective probabilities
- 2 that you assigned to different levels or types of future EPA
- 3 regulations of air emissions, ash waste and water?
- 4 A. We didn't assign separate probabilities to the
- 5 two different environmental scenarios that we discuss. We
- 6 looked explicitly at plans under moderate environmental
- 7 regulation and then separate plans under aggressive
- 8 environmental regulations. So those plans are mutually
- 9 exclusive.
- 10 Q. So you've got expected values in there, but
- 11 they're under two different scenarios; is that correct?
- 12 A. That's right. So for moderate environmental
- 13 regulation, that includes the expected value of complying with
- 14 those moderate environmental regulations and similarly for
- 15 aggressive.
- Q. And do you consider that a probabilistic
- assessment, that process?
- 18 A. For each of these plans, yes. These are the
- 19 probability weighted averages of the cost for those plans under
- 20 all of the different scenarios and independent uncertain
- 21 factors.
- 22 Q. Did you -- did the modeling of possible future
- 23 EPA regulations of air emissions, ash waste and water -- did you
- 24 perform that in the same way that you did for possible future
- 25 CO2 regulations?

- 1 A. No. For future CO2 regulations we included the
- 2 potential for different types of greenhouse gas regulations as
- 3 part of the scenarios, particularly because there wasn't an
- 4 explicit compliance requirement associated with those. So while
- 5 the different CO2 regulations through either a specific price on
- 6 carbon or through the effects of what we called energy bill
- 7 mandates on power prices and other commodities, those -- those
- 8 impacts were reflected on the performance of the alternative
- 9 resource plan whereas the other EPA regulations that we're
- discussing here required some specific action to comply with the
- 11 rules on Ameren Missouri's system.
- MR. MILLS: Judge, I'd like to have an exhibit
- marked.
- JUDGE WOODRUFF: Okay. We're up to No. 41.
- 15 (Wherein; OPC Exhibit No. 41 was marked for
- 16 identification.)
- MR. MILLS: Judge, are we at 41?
- JUDGE WOODRUFF: 41, yes.
- 19 BY MR. MILLS:
- Q. Mr. Michaels, do you recognize what's been
- 21 marked as Exhibit 41 as a data request submitted to you by
- 22 Public Counsel and your response --
- 23 A. Yes.
- 24 Q. -- to that DR?
- 25 A. Yes.

- 1 Q. And is that -- is that response accurate?
- 2 A. Yes.
- 3 MR. MILLS: Judge, with that I will offer
- 4 Exhibit 41 into the record.
- 5 JUDGE WOODRUFF: Exhibit 41 has been offered.
- 6 Any objections to its receipt?
- 7 Hearing none, it will be received.
- 8 (Wherein; OPC Exhibit No. 41 was received into
- 9 evidence.)
- 10 BY MR. MILLS:
- 11 Q. Okay. Changing gears here. In your
- 12 testimony -- I believe it begins at about Page 88, you talk
- 13 about nuclear cost assumptions.
- 14 A. Since we talked about it very recently, I recall
- 15 that to be correct.
- 16 Q. And I believe you said in response to some
- 17 earlier questions that you are in the process of updating
- 18 nuclear construction cost estimates?
- 19 A. That's right.
- 20 Q. And are you far enough in that process to -- to
- 21 give us an idea of the -- sort of the order of magnitude of
- 22 changes you expect to see from that analysis?
- 23 A. No. I don't believe. My head's so been deeply
- 24 delving into -- into the 2011 IRP, I -- I have trouble recalling
- 25 what we're using. We have developed the -- for the IRP update

- 1 analysis, but -- and I know that generally the costs are higher
- 2 than what we used in the 2010 IRP. I just can't give you a
- 3 specific number.
- Q. Can you give me any sort of subjective analysis?
- 5 Dramatically higher or slightly higher?
- A. I'd say less than dramatic, but greater than
- 7 slight. It's not insignificant.
- 8 Q. Okay. Now, can I ask you to turn to Page 93 and
- 9 the answer at the very bottom of the page. 93. And I'm going
- 10 to refer you to -- were you here when Mr. Wood was on the stand
- 11 earlier today?
- 12 A. Yes.
- 13 Q. And I asked him a question about the roadmap?
- A. Uh-huh.
- 15 Q. As I understood, his response was that if there
- 16 was legislative action or commission action such that the two
- 17 contingencies with respect to nuclear plant construction and DSM
- 18 cost recovery were both met in the relatively near future, that
- 19 that would trigger an almost immediate reanalysis of some of the
- 20 plans. Do you recall that?
- 21 A. Yes.
- 22 Q. And when I look at your answer at the bottom of
- 23 Page 93, it seems to me that you're indicating that -- that the
- 24 company's not even going to be looking at possible new
- 25 construction on the nuclear side until 2016. Am I reading your

- 1 answer incorrectly?
- 2 A. That's correct based on the inclusion of the
- 3 nuclear plant in that specific contingency plan.
- Q. Okay. So which is it? Is it going to be you're
- 5 going to reevaluate almost immediately if that -- if that
- 6 contingency is met or you're still going to not be looking at it
- 7 until 2016?
- 8 A. Well, I know of -- I know of no effort in the
- 9 legislative arena to try and change in any grand way the
- 10 prohibition against QWIP recovery. So in that respect there
- 11 really is no urgency.
- 12 Q. So that's -- that's not going to be something
- 13 that Ameren's pursuing this next legislative session?
- 14 A. I don't know of anything in that respect.
- 15 Q. Do you still have -- and I'm switching gears
- back again. Appendix A to Chapter 9, do you still have that
- 17 handy?
- 18 A. Yeah.
- 19 Q. I believe I'm going to ask you to look at Table
- 20 9A-1, which is near the beginning, but I don't have an exact
- 21 page.
- 22 A. Okay. With capacity position tables?
- 23 Q. Yes.
- 24 A. Okay.
- 25 Q. Now, isn't it -- isn't it true that throughout

- these various plans that the company allows the capacity
- 2 position to vary from one year to the next and from one scenario
- in the next and make up the difference with purchases and sales?
- 4 A. The purchases and sales become part of the
- 5 capacity position, but yes. Those are used to fill the
- 6 difference between resources that we have and what the need is
- 7 for load and reserve requirements.
- 8 Q. And isn't it true that under some of the
- 9 scenarios that capacity swings can go from as much as 200
- megawatts minus to 300 megawatts plus?
- 11 A. That sounds about right. That's -- that
- 12 reflects the criteria that we used when determining when a new
- 13 supply-side resource would go in either half the size of the
- resource a 500 megawatts minimum or maximum.
- 15 Q. Given that, why is it appropriate to install
- wind resources with combustion turbines the way that you've
- done -- they way you've modeled them in this integrated resource
- 18 plan filing?
- 19 A. Well, what we were trying to do was to reflect
- 20 relatively similar blocks of capacity for meeting load and
- 21 reserve requirements. If you look at the capacity that they
- 22 were getting from MISO at the time we did this analysis, it was
- 23 only 8 percent. So if you were looking for a resource in the 4
- to 600 megawatt range, you know, 400 minimum to be comparable to
- 25 the other resources that we evaluated, it would take 5,000

- 1 megawatts of wind in order to give you 400 megawatts of
- 2 regulatory capacity.
- 3 Since we didn't want to go more than 500
- 4 megawatts short simply putting in, you know, 500 megawatts of
- 5 wind for instance and getting -- whatever that would be -- 40
- 6 megawatts of regulatory capacity, we didn't want to be that
- 7 short going out into the future.
- 8 Q. But you have times on these tables where you are
- 9 that far short?
- 10 A. Two to 300 megawatts, yes. But those are based
- 11 on installing a resource when you get to half the size of that
- 12 resource. So you have a slight shortfall before the resource is
- 13 put in -- into service, and then an excess. Both of which are
- 14 made up in the market, either we're purchasing based on the
- 15 market price at capacity or we're selling the excess into the
- 16 market at market price capacity.
- 17 Q. And in some instances you're 600 megawatts short
- 18 capacity. Correct? For example, plan C-2 in 2013?
- 19 A. C-2. In what year?
- 20 Q. 2013.
- 21 A. That's -- well, we're long right now, so that
- 22 643 --
- Q. Right.
- 24 A. -- megawatts capacity --
- 25 Q. You're --

- 1 A. -- sales. Yeah.
- Q. And for many of those similar plans, you're that
- 3 long for --
- 4 A. Yeah. 2013 is the same for virtually all of
- 5 them, if not all of them.
- 6 Q. So for several years you're either -- you're
- 7 either 600 -- over 600 or almost 600 --
- 8 A. Long, yes.
- 9 Q. Long. Right.
- 10 A. And that's a function of our -- just our current
- 11 capacity position. The resources that we have today.
- 12 Q. Now, staying on Table 9A-1, there are -- there
- is one particular plan -- it's the very last one -- where you
- show that you can achieve, by the end of the planning horizon,
- an 826 megawatt load reduction through demand response; is that
- 16 correct?
- 17 A. That's right.
- 18 Q. And yet in none of the other plans do you show
- anything much greater than about 200 megawatts of demand
- 20 response; is that correct? About 244, I think, is the maximum
- 21 in any of the other plans.
- 22 A. Yeah. It's 329 megawatts in Plan B-1. It looks
- 23 like the rest of the plans on that same page is 244 and for all
- the plans on Page 2, it's 244.
- Q. And for a number of plans it's -- at least one

- or two of the plans it's zero or 20. Correct?
- 2 A. Yes. Those are -- those are the plans on Page
- 3 3.
- Q. Plan R-O, for example?
- 5 A. Yes.
- 6 Q. Has zero for demand response?
- 7 A. R-0, R-1, R-2. That's correct. Well, 20
- 8 megawatts in 20 -- R-2.
- 9 Q. And given that at least one of the plans you
- 10 achieved over 800, how can -- how can you -- how did you analyze
- 11 the other plans to know that they've included enough demand
- 12 response such that you have achieved all cost effective DSM?
- 13 A. Well, what we did in constructing all of our
- 14 alternative resource plans was to look at what the capacity need
- 15 is. The first resource that we put in was energy efficiency,
- and that was all the energy effi-- energy efficiency that we
- 17 could do in a particular portfolio.
- So you see for the RAP DSM plans on Page 3,
- 19 that's all, you know, over 1,000 megawatts by the end of the
- 20 planning horizon for those plans with RAP DSM.
- 21 We then assessed the extent to which demand
- 22 response resources would be needed in order to meet the load and
- 23 reserve requirements. And so we had a -- we had a portfolio of
- 24 demand response resources and we -- we simply slid the timing of
- 25 those in order to meet the capacity need for whatever the

- 1 particular resource plan was.
- 2 Q. In other words, you didn't add demand response
- 3 in any year in which you were not capacity short; is that
- 4 correct?
- 5 A. Well, I don't know that that would necessarily
- 6 be true, but what we did was try to target meeting the load and
- 7 reserve requirement really. For plans where we retirement
- 8 Meramec, we targeting meeting load and reserve requirement with
- 9 additional demand response in the year that it retired.
- 10 But for those plans where Meramec was not
- 11 retired, which would be the top three plans on Page 3, we simply
- 12 looked at what the -- what the -- what the need would be in 2030
- and then set the timing of the beginning of the DR programs in
- order to match the load and reserve requirements in that year.
- 15 Q. So looking, just for example, at Plan R-0, have
- 16 you done any analysis to determine whether -- and that shows
- zero demand response through the planning horizon. Correct?
- 18 A. That's right.
- 19 Q. Have you done any analysis to show that that
- 20 PVRR would be lower if you did include demand response in some
- of those years?
- 22 A. We did an analysis of an alternative portfolio
- 23 which we called the capacity calibrated portfolio. I'll explain
- 24 what that means, but in those portfolios we -- we kind of took
- 25 the opposite approach that we did in these portfolios where we

- 1 put the energy efficiency impacts on peak load requirements in
- 2 first and then later demand response on top. In the capacity
- 3 calibrated portfolio we did it the other way around; we put in
- 4 demand response first and then we -- then we tailored the energy
- 5 efficiency impacts in order to meet load reserve requirements.
- 6 The analysis of that portfolio showed that it
- 7 resulted in higher PVRR than the plans that we constructed in
- 8 which we put the energy efficiency first and then the demand
- 9 response.
- 10 Q. So as I understand the way you constructed
- 11 those, you essentially used demand response and energy
- 12 efficiency as offsets and just chose one to be implemented first
- and one to be implemented second?
- 14 A. Yeah. Essentially we treated the demand-side
- 15 resources the same way we treated the supply-side resources. We
- 16 put them in when we need capacity with that, you know, half the
- 17 size of the unit criteria that I was talking about because, you
- 18 know, supply-side resources come in large chunks. But we
- 19 essentially treated them the same way, we didn't put in say
- 20 additional combined cycles if it looked like it would reduce
- 21 PVRR.
- 22 We just put in the resources that we needed,
- 23 supply-side or demand-side, in order to meet the reliability
- 24 requirement based on reserve margin in MISO.
- 25 Q. And did you do any plans in which you analyzed

- 1 essentially adding demand response to the level of cost
- 2 effectiveness and energy efficiency and sort of stack them
- 3 instead of chose them as alternatives?
- 4 A. Do you mean adding demand response beyond what
- 5 we needed for load and --
- Q. Yes.
- 7 A. -- reserve requirements? No, we didn't.
- 8 MR. MILLS: Judge, that's all the questions I
- 9 have.
- JUDGE WOODRUFF: Okay. We'll go to questions
- 11 from the bench. Commissioner Kenney.
- 12 COMMISSIONER KENNEY: No. I don't have any
- 13 questions. Thank you.
- JUDGE WOODRUFF: Okay. Then there's no
- 15 questions from the bench, so no need for recross. Any redirect?
- MS. TATRO: Just a bit.
- 17 REDIRECT EXAMINATION BY MS. TATRO:
- Q. Mr. Michaels, when you were being cross-examined
- 19 by Mr. Williams, there was discussions of Exhibits 9 and 10,
- 20 which were the AmerenUE comments in the previous rulemaking and
- 21 the Commission's order. Do you still have those exhibits up
- 22 there?
- A. I think I do.
- Q. I think 9 and 10 were the right numbers. I'm
- 25 sorry, it's 8 and 9.

- 1 A. 8 and 9. Okay.
- 2 Q. So the one that says initial comments of Union
- 3 Electric Company.
- 4 A. Got it.
- 5 Q. All right. On Page 28 of that document --
- A. Yes.
- 7 Q. -- Mr. Williams had you read to yourself the
- 8 four different definitions of primary, which the company had set
- 9 forth --
- 10 A. Right.
- 11 Q. -- in comments?
- 12 A. Right.
- 13 Q. Are those definitions consistent with the way
- 14 that the company has interpreted primary in its current resource
- 15 plan filing?
- 16 A. The first one absolutely is. The second one
- 17 absolutely is. The third one, which appears to be called 2B --
- the third, preparatory to something else on a continuing
- 19 process, I don't think applies to what we did. As I read these
- 20 comments, I see the distinction that the company was trying to
- 21 make at that time was whether or not primary meant the first of
- 22 importance in a list of criteria or whether it meant it was done
- 23 earlier in time than evaluation based on other criteria.
- 24 What we did is based on the first definition,
- 25 that it's of first importance.

- 1 Q. All right. And then in Exhibit 8, which is the
- 2 Commission's order of rulemaking --
- 3 A. Yes.
- Q. -- which doesn't have page numbers -- but he had
- 5 you read a section that was under 4 CSR 240-22.010?
- A. Right.
- 7 Q. The last paragraph right before it gets to 010
- 8 Sub 2.
- 9 A. Right.
- 10 Q. Are you on that page?
- 11 A. Yes.
- 12 Q. Okay. What did the Commission -- did the
- 13 Commission make a change to the rule based on the definition of
- 14 primary?
- 15 A. The last sentence says: Based on the foregoing,
- 16 the Commission finds that this section will be adopted as
- 17 modified. I'm not real sure what that modification refers to,
- 18 but the last paragraph refers to holding to the proposition that
- 19 cost minimization should be of primary importance.
- Q. Okay. Later on, Mr. Williams asked you who
- 21 determined that energy efficiency wouldn't be on the final
- 22 scorecard after pointing out that it was earlier on the
- 23 screening scorecard. Do you remember --
- 24 A. Right.
- 25 Q. -- part of that conversation?

- 1 A. Yes.
- 2 Q. And can you explain why it was included in the
- 3 screening and not included later on?
- 4 A. The reason we included it in the screening
- 5 scorecard was that at the time we began evaluation of the
- 6 alternative resource plans, we didn't know how those results
- 7 were going to turn out. And one of our objectives in evaluating
- 8 alternative resource plans was to make sure that we had a robust
- 9 and diverse set of candidate resource plans to evaluate during
- 10 risk analysis.
- 11 So not knowing what those results might be, we
- wanted to make sure that we would have some energy efficiency
- 13 plans in the mix, some heavily weighted energy efficiency plans
- 14 in the mix. So we included the 10 percent weighting at that
- 15 point.
- 16 When we got to the time of determining what the
- 17 preferred should be -- or actually when the management team got
- 18 to that point -- the -- we looked at that and said, well you
- 19 know, we included this bias during the screening of alternative
- 20 resource plans, we don't really need that in here because now we
- 21 see the effects of the -- of the PVRR analysis and all the other
- 22 related analysis.
- 23 We didn't include any such bias for a particular
- 24 supply-side resource for instance. So once it had done its job
- 25 in the alternative plan screening, we dropped it for the

- 1 preferred plan selection.
- 2 Q. So it wasn't an attempt to tilt the selection of
- 3 the preferred plan against energy efficiency?
- A. Not at all.
- 5 Q. All right. NRDC asked you some questions about
- 6 the 29 years of the end -- and you kept talking about you wanted
- 7 to capture the end effects of the decisions made in the 20-year
- 8 plan. Do you recall that discussion?
- 9 A. Yes.
- 10 Q. Can you explain to me what do you mean by end
- 11 effects?
- 12 A. Well, when we construct our resource plans,
- we're looking out over a 20-year planning horizon. So for us in
- this IRP it was 2011 to 2030. When you're putting in resources
- and -- you know, for some of these alternative resource plans we
- were looking at supply-side resources that we're going in as
- 17 late as 2029.
- 18 It wouldn't be reasonable to evaluate the PVRR
- 19 effects of a power plant going in 2029 and only include two
- 20 years of those effects. So for all of the alternative resource
- 21 plans and for all the candidate resource plans we conducted our
- 22 evaluation with an additional -- it turned out to be nine years,
- 23 through 2039 so that we could see the effects on PVRR of the
- decisions that were made during that first 20-year period.
- 25 So there -- there is no connection between

1	expectations, for instance, about retirement of the Meramec
2	plant and the simply continuation of the system as is from 2030
3	on in order to capture the PVRR impacts of the decisions that
4	are made during the first 20 years.
5	MS. TATRO: Your Honor, my next follow-up is
6	about an exhibit Exhibit 40, which was marked HC. Can we go
7	in camera, please?
8	JUDGE WOODRUFF: We certainly can.
9	(REPORTER'S NOTE: At this point, an in-camera
10	session was held, which can be found in Volume 3, Page 248 to
11	Page 250 of that transcript.)
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- JUDGE WOODRUFF: And we're back in regular
- 2 session.
- 3 BY MS. TATRO:
- 4 Q. All right. Also in response to of some NRDC's
- 5 questions, there was a discussion about gas prices and whether
- 6 they had changed since the assumptions that were put into the
- 7 IRP. Do you remember that discussion?
- 8 A. Yes.
- 9 Q. Can you explain why you believe the gas price
- 10 assumptions that were used in the IRP filing are reasonable?
- 11 A. Yes. At the time we did our IRP analysis --
- 12 this was, you know, most of 2010 when it was conducted. CRA
- actually did their modeling scenarios in February of 2010. At
- 14 that time the assumptions that were made with respect to gas
- 15 prices were consistent with what the Department of Energy's
- annual energy outlook that was published at about that same
- 17 time, maybe a little bit later.
- So the gas price assumptions that we used in the
- analysis in 2010 were -- were in line with other reliable
- 20 sources available at that time.
- 21 Q. And the fact that gas price assumptions have
- 22 changed, does that mean the original filing wasn't in compliance
- with the Commission's IRP rules?
- A. No, it doesn't. In fact, the IRP rules
- 25 contemplate potential changes in uncertain factors. We included

- in Chapter 10 of our filing our plan for monitoring critical
- 2 uncertain factors including gas prices. And as a result of
- 3 those monitoring activities, we are updating our gas price
- 4 assumptions for our 2012 IRP annual update.
- 5 Q. And when is that due?
- A. It's -- the meeting has to be held in early
- 7 April and the report has to be provided at least 20 days prior
- 8 to the meeting, so early March.
- 9 Q. Then MIEC asked you some questions -- several
- 10 different questions in which she said if the IRP process was
- 11 repeated today this would have changed and that would have
- 12 changed. One was greenhouse gas assumptions.
- A. Right.
- Q. Were the greenhouse gas assumptions you used at
- 15 the time of the filing reasonable assumptions?
- 16 A. They were. They were based on the informed
- 17 expectations of internal experts that are -- or were -- probably
- 18 still are actively engaged in the regulatory and legislative
- arena to make an assessment about what greenhouse gas regulation
- 20 would be in the future.
- Q. And the fact that some of those assumptions may
- 22 have changed since the filing date, do you believe that means
- 23 Ameren Missouri's initial filing is deficient?
- 24 A. No, it doesn't. Just like I stated with gas
- 25 prices, we have to continue monitoring all the critical

- uncertain factors and update as appropriate. As a result, we're
- 2 updating our assumptions about greenhouse gas regulation for our
- 3 2012 annual update.
- 4 Q. You were also asked about cost assumptions for
- 5 nuclear power. Do you remember that?
- A. Yes.
- 7 Q. Same question: If those cost have changed, does
- 8 that mean the assumptions -- well, first of all were your
- 9 assumptions at the time of the filing reasonable?
- 10 A. Yes, they were. They agreed with a number of
- 11 external sources. And in fact, we're still in line with the
- 12 report produced by DOE, the annual energy outlook, earlier this
- year after we filed the IRP.
- Q. And the fact that there may -- if you were to do
- 15 the analysis again, you may have different values, does that
- mean that the initial filing was deficient?
- 17 A. Yes.
- 18 Q. It does mean it was deficient?
- 19 A. No. It doesn't mean that it was deficient.
- 20 Q. You've been up there a long time.
- 21 And you were asked some questions by the
- 22 Department of Natural Resources specifically about a quote from
- one of the stakeholder meetings. Do you remember that
- 24 conversation?
- 25 A. Yes.

- 1 Q. Do you believe that the fact that you didn't do
- 2 the analysis you thought you were going to do violates any
- 3 portion of the Commission's integrated resource planning rules?
- 4 A. No, I don't. I think the stakeholder meeting
- 5 process that we used was an effort to try and keep everybody up
- 6 to date as to what we were doing at the time we were doing it
- 7 and what we were expecting to do. I don't think that we would
- 8 want a process where everything that we said we might do would
- 9 be construed as a promise to do something.
- 10 And in fact the analysis that we did
- 11 specifically addresses the issues that we identified as another
- 12 consideration under 22.010 (2)(C).
- MS. TATRO: I have no further questions. Thank
- 14 you.
- 15 JUDGE WOODRUFF: All right. Then Mr. Michaels,
- 16 you can step down.
- 17 (Witness excused.)
- JUDGE WOODRUFF: We would then be moving to
- 19 staff witnesses, but it is 4:30. I don't anticipate doing
- 20 another witness today. We have had some discussions off the
- 21 record about whether there would in fact be cross-examination of
- 22 all of Staff's witnesses. Has any decision be made on that?
- 23 MR. WILLIAMS: I'm not aware at this point, but
- 24 if no parties and the Commission have no questions for any of
- 25 Staff's witnesses other than Mr. Rogers, I propose to offer all

- of Staff's exhibits and tender Mr. Rogers for examination.
- MR. BYRNE: Your Honor, we don't have any
- 3 questions for anybody other than Mr. Rogers.
- 4 JUDGE WOODRUFF: All right. Anybody else want
- 5 questioning of Staff witnesses?
- 6 MR. MILLS: No. Just Mr. Rogers.
- JUDGE WOODRUFF: All right. Well, we'll
- 8 certainly bring Mr. Rogers in tomorrow, then. Mr. Williams, if
- 9 you want to go ahead and offer the exhibits that you were
- 10 talking about.
- 11 MR. WILLIAMS: That's what I was about to try to
- 12 do.
- JUDGE WOODRUFF: Okay.
- MR. WILLIAMS: Staff offers Exhibit 11, which is
- 15 its report including the affidavits and errata sheet, as Exhibit
- No. 11. I'll offer that at this point.
- 17 JUDGE WOODRUFF: Okay. And that's -- what was
- the date on that report so it's clear?
- 19 MR. WILLIAMS: The report was file June 23rd.
- The affidavits, I believe, were filed on the 27th, if I recall
- 21 correctly. And the errata sheet was filed on June 27th.
- JUDGE WOODRUFF: Okay. And you said that was
- 23 marked as 11?
- MR. WILLIAMS: Yes.
- JUDGE WOODRUFF: All right. Exhibit 11 has been

- 1 offered. Any objection to its receipt?
- 2 Hearing none, it will be received.
- 3 (Wherein; Staff Exhibit No. 11 was received into
- 4 evidence.)
- 5 MR. WILLIAMS: And I'll also offer the rebuttal
- 6 testimony of David Roos, which has been marked as Exhibit
- 7 No. 11.
- JUDGE WOODRUFF: It must be 12 because 11 was --
- 9 MR. WILLIAMS: I'm sorry, 12.
- 10 JUDGE WOODRUFF: Mr. Roos rebuttal. Any
- objections to its receipt?
- 12 Hearing none, it will be received.
- 13 (Wherein; Staff Exhibit No. 12 was received into
- 14 evidence.)
- 15 MR. WILLIAMS: I offer Roos surrebuttal, which
- has been marked as Exhibit 13.
- 17 JUDGE WOODRUFF: All right. Exhibit 13 is
- 18 surrebuttal. Any objections to its receipt?
- 19 Hearing none, it will be received.
- 20 (Wherein; Staff Exhibit No. 13 was received into
- 21 evidence.)
- MR. WILLIAMS: I offer Leon Bender's rebuttal,
- which has been marked as Exhibit 14.
- 24 JUDGE WOODRUFF: All right. 14 has been
- offered. Any objections to its receipt?

- 1 Hearing none, it will be received.
- 2 (Wherein; Staff Exhibit No. 14 was received into
- 3 evidence.)
- 4 MR. WILLIAMS: I offer Exhibit No. 15, which is
- 5 the rebuttal testimony of Randy Gross.
- 6 THE COURT REPORTER: I'm sorry. Randy?
- 7 MR. WILLIAMS: Randy Gross.
- JUDGE WOODRUFF: You said that was rebuttal?
- 9 MR. WILLIAMS: Yes.
- JUDGE WOODRUFF: Exhibit 15 has been offered.
- 11 Any objections to its receipt?
- Hearing none, it will be received.
- 13 (Wherein; Staff Exhibit No. 15 was received into
- 14 evidence.)
- 15 MR. WILLIAMS: I'll also offer the rebuttal
- 16 testimony of John Rogers, which has been marked as Exhibit
- 17 No. 16.
- JUDGE WOODRUFF: That's rebuttal of Rogers. And
- 19 I understand -- there will -- he will take the stand tomorrow?
- MR. WILLIAMS: Yes.
- JUDGE WOODRUFF: Anyone -- it's been offered.
- Does anyone want to object at this point?
- 23 MS. TATRO: As long as it doesn't limit the
- right to do cross?
- MR. WILLIAMS: No.

- 1 JUDGE WOODRUFF: Yeah. It will not limit the
- 2 right to give cross. So Rogers rebuttal is received, 16.
- 3 (Wherein; Staff Exhibit No. 16 was received into
- 4 evidence.)
- 5 MR. WILLIAMS: And I'll also offer the
- 6 surrebuttal testimony of John Rogers, which has been marked as
- 7 Exhibit No. 17.
- 8 JUDGE WOODRUFF: Again, the same limitation that
- 9 it certainly does not limit any right to cross-examination of
- 10 Mr. Rogers, who will take the stand tomorrow.
- 11 Any objections to receiving 17 under those
- 12 conditions?
- 13 Hearing no objections to it, it will be
- 14 received.
- MR. WILLIAMS: Thank you.
- 16 (Wherein; Staff Exhibit No. 17 was received into
- 17 evidence.)
- 18 JUDGE WOODRUFF: Is that it for Staff? That was
- 19 all?
- MR. WILLIAMS: That's it.
- JUDGE WOODRUFF: Okay. All right. And then
- 22 we'll begin tomorrow morning at 8:30 with Mr. Rogers on the
- 23 stand.
- 24 MR. ROBERTSON: Excuse me. There's one matter
- 25 I'd like to bring up if I could.

- JUDGE WOODRUFF: Certainly.
- 2 MR. ROBERTSON: That's the question of briefing
- 3 schedule. We never settled on that in our joint filing. So now
- 4 might be an opportunity to take that up.
- JUDGE WOODRUFF: All right. We do have a few
- 6 minutes here. I will expect briefs. It certainly will be
- 7 helpful. One round or two?
- 8 MR. MILLS: Two.
- JUDGE WOODRUFF: Mr. Mills says two.
- 10 MR. MILLS: Two.
- 11 JUDGE WOODRUFF: I think that would be helpful
- 12 as well. I assume we'll want to get after the holiday
- obviously, so mid-January for initial, early February for late,
- or for the second round?
- 15 MR. FISK: When will we have the transcript?
- MS. TATRO: Can you say that again?
- 17 JUDGE WOODRUFF: Mid-January and early February
- 18 for the two rounds.
- MS. TATRO: Well, can we ask first of all how
- long does it take to get the transcripts? That sometimes takes
- 21 a --
- JUDGE WOODRUFF: We can expedite the transcript.
- 23 MS. TATRO: I'd like to not work on a brief over
- the Christmas holiday to be perfectly honest.
- 25 JUDGE WOODRUFF: I can understand that. That's

- 1 true for the court reporter as well. As far as wanting these
- 2 expedited, it's whenever I order it basically.
- 3 THE COURT REPORTER: I'm sorry?
- JUDGE WOODRUFF: How quickly we can expedite the
- 5 transcript is whenever -- the Commission can order it at certain
- 6 times and so forth. But I don't want to make the court reporter
- 7 work too hard over the holidays either, so let's say -- let me
- 8 pull up the calendar here.
- 9 Let's say -- well, assuming we have the
- 10 transcript in normal working -- would be 10 working days, that
- 11 puts us around January 1st. Three weeks after that would be
- 12 January 20th, which is a Friday for initial briefs? I don't
- hear anybody complaining about that.
- 14 Two weeks after that would be February 3rd. I
- 15 hear wincing back there from Ameren.
- MS. TATRO: Can we have --
- MR. BYRNE: More time, please.
- 18 JUDGE TATRO: More time than that?
- 19 MS. TATRO: Another week at least.
- JUDGE WOODRUFF: February 10th.
- 21 MR. MILLS: Judge, then you're in the middle of
- 22 another Ameren case.
- JUDGE WOODRUFF: I was going to say --
- MR. MILLS: Which is the MISO case.
- JUDGE WOODRUFF: That is the MISO case.

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1
                       MS. TATRO: But that doesn't involve me.
                       MR. MILLS: And it's all about you.
                       MS. TATRO: It is.
 3
                        JUDGE WOODRUFF: How about February 15th.
 4
 5
      That's the following Wednesday?
                       MR. MILLS: Can we make it the 17th?
 6
 7
                       JUDGE WOODRUFF: We can make -- well, that may
 8
      be a holiday. I'm not sure.
 9
                       MR. MILLS: Okay.
10
                        JUDGE WOODRUFF: Let's make it to be -- to avoid
11
      holidays -- February 21st.
12
                       MS. TATRO: I'm happy with that. Thank you.
                       MR. WILLIAMS: What are the dates again?
13
                        JUDGE WOODRUFF: January 20th for the initial,
14
15
      and February 21st for reply.
16
                       MR. FISK: And we can expect the transcript
17
      when?
18
                       JUDGE WOODRUFF: Around January 1st.
                       All right. Then with that, we are adjourned
19
20
      until tomorrow morning at 8:30.
21
                        (Off the record.)
22
23
24
25
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## CERTIFICATE OF REPORTER

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I, LISA M. BANKS, a Certified Court Reporter, within and
for the State of Missouri, do hereby certify that the witness
whose testimony appears in the foregoing deposition was duly
sworn by me; that the testimony of said witness was taken by me
to the best of my ability and thereafter reduced to typewriting
under my direction; that I am neither counsel for, related to,
nor employed by any of the parties to the action in which this
deposition was taken, and further, that I am not a relative or
employee of any attorney or counsel employed by the parties
thereto, nor financially or otherwise interested in the outcome
of the action.

Lisa M.Banks, CCR