

In the Matter of:

UNION ELECTRIC COMPANY d/b/a AMEREN MISSOURI'S TARIFFS, etc.

ER-2019-0335 , VOL. XVI

March 04, 2020



www.tigercr.com 573.999.2662

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

BEFORE THE PUBLIC SERVICE COMMISSION

STATE OF MISSOURI

TRANSCRIPT OF PROCEEDINGS

On-The-Record Presentation

March 4, 2020

Jefferson City, Missouri

Volume 16

In The Matter Of Union Electric)
Company d/b/a Ameren Missouri's)
Tariffs to Decrease Its Revenues For) File No. ER-2019-0335
Electric Service)

NANCY DIPPELL, Presiding
 SENIOR REGULATORY LAW JUDGE
RYAN SILVEY, Chairman,
WILLIAM P. KENNEY,
SCOTT T. RUPP,
MAIDA J. COLEMAN,
JASON R. HOLSMAN,
 COMMISSIONERS.

REPORTED BY:
Lisa M. Banks, CCR
TIGER COURT REPORTING, LLC

A P P E A R A N C E S

1
2 JAMES LOWERY, Attorney at Law
Smith Lewis, LLP
3 111 South Ninth Street, Suite 200
Columbia, Missouri 65205
4 573.443.3141
FOR: Ameren Missouri

5
6 WENDY TATRO, Attorney at Law
JERMAINE GRUBBS, Attorney at Law
1901 Chouteau Avenue
7 St. Louis, Missouri 63103
314.554.3484
8 FOR: Ameren Missouri

9 JOHN B. COFFMAN, Attorney at Law
871 Tuxedo Boulevard
10 St. Louis, Missouri 63119-2044
573.424.6779
11 FOR: Consumers Council of Missouri

12 TOM OPITZ, Attorney at Law
409 Vandiver Drive, Building 5, Suite 205
13 Columbia, Missouri 65202
573.825.1796
14 FOR: Renew Missouri

15 TONY MENDOZA, Senior Counsel (via telephone)
JOSHUA SMITH, Senior Counsel (via telephone)
16 2101 Webster Street, Suite 1300
Oakland, California 94612
17 415.977.5560
FOR: Sierra Club

18
19 HENRY ROBERTSON, Attorney at Law (via telephone)
Great Rivers Environmental Law Center
319 N. Fourth Street, Suite 800
20 St. Louis, Missouri 63102
314.231.4181
21 FOR: Natural Resources Defense Council

22 DAVID WOODSMALL, Attorney at Law
308 East High Street, Suite 204
23 Jefferson City, Missouri 65101
573.797.0005
24 FOR: Midwest Energy Consumers Group
25

A P P E A R A N C E S

1
2 LEWIS MILLS, Attorney at Law
3 Bryan Cave Leighton Paisner, LLP
4 221 Bolivar Street, Suite 101
5 Jefferson City, Missouri 65101
6 573.556.6627
7 FOR: Missouri Industrial Energy Consumers

8
9 DIANA M. VUYLSTEKE, Attorney at Law (via telephone)
10 211 N. Broadway, Suite 3600
11 St. Louis, Missouri 63102
12 FOR: Missouri Industrial Energy Consumers

13
14 JACOB WESTEN, Attorney at Law
15 Missouri Department of Economic Development
16 1101 Riverside Drive
17 P.O. Box 176
18 Jefferson City, Missouri 65102-0176
19 573.526.2423
20 FOR: Department of Energy

21
22 JEFF KEEVIL, Deputy Counsel
23 NICOLE MERS, Counsel
24 Governor Office Building
25 200 Madison Street, Suite 800
P.O. Box 360
Jefferson City, Missouri 65102-0360
573.751.1854
FOR: Staff of Missouri Public Service Commission

CALEB HALL, Counsel (via telephone)
Governor Office Building
200 Madison Street, Suite 650
Jefferson City, Missouri 65102
573.751.5324
FOR: Office of the Public Counsel

P R O C E E D I N G S

1
2 JUDGE DIPPELL: We're on the record. This is
3 Case Number ER-2019-0335 in the Matter of Union Electric
4 Company. Just one moment. I am forgetting to unmute myself.
5 In the Matter of Union Electric Company dba Ameren Missouri's
6 Tariff's to Decrease Its Revenues for Electric Service. My name
7 is Nancy Dippell. I'm the regulatory law judge presiding over
8 this presentation and rate case today.

9 We are here today for an on-the-record
10 stipulation presentation of the stipulation and agreement that
11 the parties have reached for a majority of the issues.

12 And I'm going to begin with entries of
13 appearance. Can I start with Ameren Missouri?

14 MS. TATRO: Wendy Tatro and Jermaine Grubbs,
15 1901 Chou-- for Ameren Missouri. 1901 Chouteau Avenue,
16 St. Louis, Missouri, 63103.

17 MR. LOWERY: And Jim Lowery with the law firm of
18 Smith Lewis, LLP; P.O. Box 918, Columbia, Missouri. Also
19 appearing on behalf of Ameren Missouri.

20 JUDGE DIPPELL: And commission staff?

21 MR. KEEVIL: Jeff Keevil and Nicole Mers
22 appearing on behalf of the commission staff, 200 Madison Street,
23 Jefferson City, Missouri, P.O. Box -- not P.O. Box, ZIP Code
24 65101.

25 JUDGE DIPPELL: The Office of Public Counsel?

1 MR. HALL: Good morning, Judge. Caleb Hall
2 appearing on behalf of the Office of Public Counsel. I've
3 previously provided my contact information to the stenographer.

4 JUDGE DIPPELL: Division of Energy?

5 MR. WESTEN: Thank you. Good morning. My name
6 is Jacob Westen. I am representing the Division of Energy
7 today. My address is 1101 Riverside Drive, Jefferson City,
8 Missouri, 65102.

9 JUDGE DIPPELL: Missouri Energy Consumers Group?

10 MR. WOODSMALL: Thank you, Your Honor. David
11 Woodsmall on behalf of MECG.

12 JUDGE DIPPELL: Missouri Industrial Energy
13 Consumers?

14 MS. VUYLSTEKE: Diana Vuylsteke, the law firm of
15 Bryan Cave, 211 North Broadway, Suite 3600, St. Louis, Missouri
16 63102.

17 MR. MILLS: Also appearing on behalf of the
18 MIEC, Lewis Mills. And the court reporter has my contact
19 information.

20 JUDGE DIPPELL: And Consumer Councils Of
21 Missouri? I didn't see Mr. Coffman this morning.

22 Renew Missouri?

23 MR. OPTIZ: Tim Opitz on behalf of Renew
24 Missouri.

25 JUDGE DIPPELL: Hold on just a second. I'm

1 having trouble with people hearing on the streaming.

2 National Resources Defense Council?

3 MR. ROBERTSON: For Natural Resources Defense
4 Council and Sierra Club, Henry Robertson, Great Rivers
5 Environment Law Center, 319 North Fourth Street, Suite 800,
6 St. Louis, 63102.

7 JUDGE DIPPELL: And Sierra Club?

8 MR. SMITH: Good morning, Your Honor. This is
9 Joshua Smith for Sierra Club, 2101 Webster Street, Suite 1300,
10 Oakland California, 94612.

11 JUDGE DIPPELL: All right. Is there anyone else
12 that I didn't get an entry for?.

13 Okay. I'm going to pause for just one moment.
14 I seem to be having technical difficulty with the sound. Let's
15 go off the record for just a moment.

16 (OFF THE RECORD.)

17 JUDGE DIPPELL: Mr. Coffman, would you like to
18 thank you entry of appearance?

19 MR. COFFMAN: Yes, I would. Thank you and I
20 apologize for being late. John Coffman on behalf of Consumers
21 Councils of Missouri.

22 JUDGE DIPPELL: All right. So, like I say, we
23 came here this morning to present the stipulation and agreement
24 to the Commission and allow the commissioners to ask some
25 questions. The procedure I would like to do today is to have

1 you come up and introduce your witnesses and then I will swear
2 those witnesses in at once so we don't have to stop to do that
3 during the questions and answers.

4 And then we talked before we went on the record
5 about -- we talked about what to do with the exhibits. We'll
6 handle entering all exhibits and stuff after question and
7 answers are finished and the commissioners can be excused and
8 whoever needs to get back to work while we handle those
9 housekeeping details.

10 So let's pause one more time to try to get the
11 sound working. We can go off the record.

12 (OFF THE RECORD.)

13 JUDGE DIPPELL: I apologize for that little
14 disruption. So we will -- I will have you come up and introduce
15 your witnesses and when the witnesses are speaking or answering
16 a question, I will ask you to come up and be sure to speak into
17 the microphone. Hopefully everything, that way, will be heard
18 today.

19 Let's go ahead then and began. Ameren, would
20 you like to lead us off?

21 MS. TATRO: Sure. And you want the witnesses
22 to come forward so that you swear them in or can they be sworn
23 from wherever they are?

24 JUDGE DIPPELL: They can just stand.

25 MS. TATRO: I have with me today Laura Moore to

1 talk about the revenue requirement portion of that stipulation
2 agreement. I have Steve Wills to talk about the rate design.
3 On the phone we also have our national rate design expert, Ahmad
4 Faruqui.

5 JUDGE DIPPELL: Okay. And Staff, your
6 witnesses?

7 MR. KEEVIL: Our witnesses were numerous. Let's
8 see. First of all, we have Mr. Mark Oligschlaeger, Lisa
9 Ferguson, John Cassidy from the auditing department. We also
10 have Mr. J. Luebbert, Robin Kliethermes, Sarah Lange, and who
11 else? Lisa Wildhaber. Claire Eubanks. Yes. Let's see, who
12 else do we have? We have Ms. Natelle Dietrich, Brad Fortson.
13 We basically didn't know what your questions would be, Judge, so
14 we brought a little bit of everybody. Hopefully -- and we'll
15 probably not have the one person here that you actually do want,
16 the way these things worked in the past. I believe that is all.

17 JUDGE DIPPELL: All right. Public Counsel?

18 MR. HALL: Thank you, Judge. Following an
19 opposite philosophy we have provided the witness of Geoff Marke
20 to speak to OPC's rate design revenue requirement issues.
21 However, we can provide the other witnesses that have filed
22 testimony if the Commission should want to ask more specific
23 questions.

24 JUDGE DIPPELL: Thank you. Consumers Council,
25 did you bring any witnesses today?

1 MR. COFFMAN: No. Since our issue settled, we
2 did not bring Jackie Hutchinson with us.

3 JUDGE DIPPELL: Thank you. Division of Energy?

4 MR. WESTEN: Thank you, Judge. Division of
5 Energy's issues also have ostensibly settled, but if the
6 commissioners or yourself are interested from hearing from our
7 witnesses, I have with me Mark Hyman and Ms. Marcy Oerly.

8 Can you pronounce your name for us?

9 MS. OERLY: Early.

10 MR. WESTEN: Early, is how her name is
11 pronounced. Mr. Hyman provided time-of-use testimony and
12 Ms. Oerly provided testimony on weatherization. Thank you.

13 JUDGE DIPPELL: Missouri Energy Consumers Group?

14 MR. WOODSMALL: Your Honor, I did not bring a
15 witness. Mr. Chriss's testimony was limited to the issues of
16 revenue allocation and rate design. And hopefully I can speak
17 on that if the Commission has any questions.

18 JUDGE DIPPELL: Thank you.

19 Missouri Industrial Energy Consumers?

20 MR. MILLS: The MIEC also has no witnesses here
21 today, but I anticipate that I can answer your questions.

22 JUDGE DIPPELL: Thank you.

23 National Resources Defense Counsel?

24 MR. ROBERTSON: The NRDC has no witness in the
25 case. Sierra Club's witness was limited to issues that are not

1 covered by the stipulation and agreement.

2 JUDGE DIPPELL: Okay. Renew Missouri?

3 MR. OPTIZ: I did not bring my witness,
4 Ms. Piontek today and I believe I can answer any questions you
5 might have.

6 JUDGE DIPPELL: All right. Thank you. At this
7 time would all of those witnesses that are present that were
8 mentioned, would you please stand.

9 (Witnesses sworn.)

10 JUDGE DIPPELL: Thank you. You may be seated.
11 Thank you, Mr. Faruqui.

12 With that, then I will again ask Ameren if you
13 would like to begin with an opening statement presentation?

14 MS. TATRO: Absolutely. I'm gonna try and turn
15 this one around. I really didn't appreciate how large it was.
16 You also have a printout of this at your chair. Sometimes you
17 can see them. I don't think that is a problem this time.

18 Good morning commissioners, Judge. Are you
19 ready? We are here today to answer some questions about the
20 stipulation and agreement that was filed on February 28th, which
21 was amended with two minor corrections on March 2nd. When
22 Ameren Missouri filed this case last summer, we requested a rate
23 decrease but the focus of our request was really on issues of
24 rate design.

25 As we start installing smart meters this summer,

1 we recognize the importance of ensuring that our customers can
2 access the value of those meters as soon as possible after
3 installation. We want to provide customers with choices as to
4 the rate that makes the most sense for their household and
5 businesses. We're doing that by modernizing our rate design to
6 provide customers with the options we believe they want.

7 So how does this settlement agreement reach
8 those goals? Well, it is a settlement. So by definition no
9 party got exactly what it wanted, but we see the agreement as a
10 positive step and definitely in the right direction for the rate
11 options we hope to offer our customers.

12 We should start by talking about the revenue
13 requirement. We've agreed to reduce our revenue requirement by
14 \$32 million effective April 1st. This is a black box number,
15 but it does include a return on equity in the range of 9.4 to
16 9.8 percent and includes certain adjustments to rate base
17 including an agreement, that for purposes of this settlement,
18 the seller facility at BJC was not in service at the end of
19 2019. The Company also agrees not to file its next rate case
20 before July 6th of this year.

21 The agreement continues the fuel adjustment
22 clause and we will be providing some specific additional
23 information in our monthly reporting. Also, as related to our
24 generating units, we will retain and provide information from
25 the daily analysis we conduct to determine unit commitment

1 status for our coal-fired generating units. This should allow
2 Staff and other parties to more accurately review unit
3 commitment decisions that are made. This information will be
4 shared when we make our rate case filing.

5 So let's move on to the heart of the stipulation
6 from our viewpoint and that is the rate design portion. In the
7 stipulation Paragraphs 26 and 27 deal withd residential rate
8 design that is what I will mostly discuss. The monthly customer
9 charge stays the same at \$9. Now, as I've already indicated, we
10 believe this settlement provides customers with a more modern
11 rate design options, providing choice which allows customers to
12 exert more control over their bills and usage. This happens
13 because modern rate designs send clearer and more accurate price
14 signals to customers, promote efficient use of the grid, and
15 promote electrification, which in turn improves environmental
16 sustainability.

17 To walk through this menu of new rate options, I
18 would like to call your attention to this exhibit. Now, it was
19 prepared for demonstration purposes only and so the descriptions
20 and the names could change. But I wanted to share it with you
21 because I found it very helpful as I thought through the rate
22 design options that come out of the stipulation. You also have
23 a printout your chair.

24 Now, on the left you'll see a spectrum arrow
25 with great cost certainty at the top and greater opportunity to

1 save at the bottom. Depending on what the customer desires to
2 achieve, they can select -- they will be able to select the
3 option that best fits that desire. So starting at the top with
4 the flat rate, that has the greatest cost certainty and is the
5 non-varying traditional rate that our customers are used to.
6 They can reduce overall total usage. It will help them save and
7 we have a variety of energy efficiency programs to help them do
8 that.

9 The next rate is labeled, Default day/night.
10 That will become the default rate for customers with AMI meters,
11 although, no customers will be moved to this rate prior to
12 January 1, 2021. This rate allows customers to save a little by
13 shifting usage to overnight hours such as setting -- using the
14 delay function on your dishwasher, with little risk of higher
15 bills. For existing customers, within six months after they
16 receive their AMI meter, Ameren Missouri will communicate with
17 the customer to educate them on what their bill would have been
18 in prior billing months was under available rate options and
19 will be shifted to the day/night rate unless that customer
20 selects an alternative option at that time.

21 The difference in rates between day and night is
22 very low, so there isn't expected to be significant bill impacts
23 to customers and correspondingly there isn't as a significant
24 opportunity to say by shifting usage to night. But for
25 customers who are interested in that, we have more options.

1 In the middle of the spectrum you see Evening
2 Savers. Now, originally that was described as the EV Savers in
3 the direct testimony of company witness Steve Wills. This is a
4 time-of-use option. This rate option will be marketed and
5 applied whole house usage instead of being limited only to
6 electric vehicle charging customers. However, we are planning
7 to evaluate technological solutions which will allow us to
8 isolate any EV charging load without incurring the cost of
9 installing a second utility meter. And as we agreed in the
10 stipulation, we will be meeting with the Sierra Club and other
11 interested stakeholders no later than March 1st, 2021 regarding
12 the steps needed to make this submetering available to EV
13 charging customers.

14 Now, this rate is designed for AMI meters, but
15 it will be compatible with and available on an opt-in basis to
16 customers using the Company's existing AMR meters for an
17 incremental cost of a \$1.50 a month. This rate will have two
18 seasons; summer and non-summer. Customers can select summer
19 only or year round. We did that to provide protection for
20 customers that heat with electricity in the winter. The on-peak
21 hours are 6:00 a.m. to 10:00 p.m. daily and off-peak hours are
22 10:00 p.m. to 6:00 a.m. daily.

23 The Evening Savers rate allows customers to
24 create more savings than the prior two rates, the Flat Rate or
25 the Default Day/Night rate, if the customer can move usage to

1 overnight and especially for those who charge their EVs at
2 night.

3 The next rate is Smart Savers. This provides an
4 greater opportunity to save by avoiding higher-priced peak hours
5 through actively managing use like through using a smart
6 thermostat to adjust temperatures during peak times. This rate
7 is a more complex three-period time-of-use rate that will only
8 be available to customers with AMI metering. The peak period
9 weekdays from 2:00 to 7:00 p.m. in the summer months, 6:00 to
10 8:00 a.m. and 6:00 to 8:00 p.m. in non-summer months. The
11 intermediate period span the rest of the daytime hours,
12 including holidays and weekends and off-peak applies overnight
13 10:00 p.m. 6:00 a.m. seven days a week.

14 And then finally, the last class is Ultimate
15 Savers. This is a three-part rate that includes a demand charge
16 and a time varying energy charge and provides customers who
17 participate the greatest opportunity to save money. This rate
18 option is best if major appliance and cooling can be staggered
19 through smart home coordination, for example.

20 Now, as part of this, Ameren Missouri agreed not
21 to propose a residential or small general service demand charge
22 based on any basis other than an opt-in basis until after August
23 29th, 2025. And we also agreed to do some special reporting
24 within six months after having 500 customers participating in
25 this three-part rate.

1 Ameren Missouri is very excited to offer these
2 new modern rate options to customers and we want to ensure that
3 our communication with and education of our customers is
4 targeted and effective. We want customers to know they have
5 these choices and to know how to exercise control over their
6 bill. To that end, we know we will provide customers with a
7 notice of intent to install AMI meters at least 30 days prior to
8 installation and we'll provide an opportunity to opt-out of that
9 installation if they so choose.

10 No later than the date that the AMI meter is
11 installed the customer will receive information regarding these
12 rate options. We're developing an online neutral rate
13 comparison tool that will show the customer their bill under
14 each available rate option based on their historic usage. And
15 we will be communicating to customers how to access that tool.

16 We are working diligently to meet the time frame
17 set forth in Paragraph 27 of the stipulation, but there is a lot
18 of IT work that has to be completed. So we have agreed to meet
19 with Staff, DE, and OPC monthly in March, April, May, and June
20 of this year to discuss the rollout of customer engagement for
21 customers receiving AMI meters and the time frames contained
22 within the stipulation.

23 One last point on the stipulation. I would note
24 that there are two issues, both raised by the Office of Public
25 Counsel that remain to be tried. They are the sharing

1 percentage for the FAC and affiliate transaction issue as it
2 relates to Ameren's services costs. The stipulation
3 contemplates that the Commission will approve new rates to be
4 effective April 1st without any adjustment for these issues and
5 it contains mechanisms for implementation of any Commission
6 decision on these issues that would otherwise impact the revenue
7 requirement to be implemented in the next rate case. Any change
8 to the FAC tariff would be effectuated in this case, but after
9 the April 1st deadline.

10 As I indicated earlier, I have Laura Moore,
11 Steve Mills and Ahmad Faruqui available for specific questions.
12 Thank you.

13 JUDGE DIPPELL: Commissioners, would you like to
14 ask questions of Ameren at this time? Mr. Chairman?

15 CHAIRMAN SILVEY: Yes, thank you.

16 I appreciate the chart that was handed out. I
17 would like to see something with some more specificity to it.

18 MS. TATRO: Gotcha.

19 CHAIRMAN SILVEY: With actual numbers attached
20 to these programs.

21 MS. TATRO: Hopefully this is what you are
22 thinking.

23 CHAIRMAN SILVEY: Thank you. Yes, that's much
24 more helpful to me. Thank you. This is probably a question for
25 the whole room, but which parties have not signed on?

1 MS. TATRO: All the parties have signed on.
2 Renew Missouri is not objecting. They have not signed on, but
3 they are not objecting.

4 CHAIRMAN SILVEY: Is Renew Missouri here?

5 MS. TATRO: Yes.

6 MR. OPTIZ: Yes, Mr. Chairman.

7 CHAIRMAN SILVEY: I believe your time period to
8 object is seven days at this time. Do you plan on objecting
9 before Friday?

10 MR. OPTIZ: No, we indicated -- and I believe it
11 is the stipulation that we do not intend to object.

12 CHAIRMAN SILVEY: Okay. Great. And then the
13 rate decrease is set to go into effect April 1st? Is that what
14 I understand?

15 MS. TATRO: That is our request, that you guys
16 issue the order in time that we can make it effective April 1st.

17 CHAIRMAN SILVEY: Okay.

18 MS. TATRO: It will become effective whenever
19 the order --

20 CHAIRMAN SILVEY: Sure.

21 MS. TATRO: That's our goal.

22 CHAIRMAN SILVEY: Perfect. What is the rate
23 base amount?

24 MS. TATRO: Laura? This is why I have experts.
25 I assume you're asking for total rate base?

1 CHAIRMAN SILVEY: Yes.

2 MS. TATRO: Not just what was added?

3 CHAIRMAN SILVEY: Right. Total rate base
4 because I believe with the PISA statute we need that number
5 looking forward.

6 MS. TATRO: Can I take that and get back to you
7 in a moment?

8 CHAIRMAN SILVEY: Okay.

9 MS. TATRO: I apologize. It seems like
10 something we should know. We'll get it.

11 CHAIRMAN SILVEY: Okay. On the AMIs you
12 mentioned that six months after the customer receives an AMI
13 they will get some communication looking back on their actual
14 usage for those six months as to what the rate plans would have
15 offered them had they been on those. Is that --

16 MS. TATRO: Right. So at six months after you
17 get the AMI meter, you're going to flip to this default rate.
18 Before that happens we plan to have communication with customers
19 and we also plan to have the tool online where they can go in.
20 We'll have six months of AMI data. They can go in and see how
21 their bills would fair under all of these rates. And then if
22 they don't want to do the Default Day/Night they can select a
23 different rate.

24 CHAIRMAN SILVEY: Okay. So they'll get six
25 months' worth of data and then they'll have to make a decision

1 when they receive that information or they're automatically
2 filled to the second one?

3 MS. TATRO: They are automatically flipped to
4 the default unless they contact us and said they want another
5 option.

6 CHAIRMAN SILVEY: But they will a full six
7 months of actual data on their house?

8 MS. TATRO: That is the goal, yes.

9 CHAIRMAN SILVEY: And what is the reasoning for
10 the \$1.50 monthly incremental fee for non-AMI customers on the
11 EV Saver rate?

12 MS. TATRO: Just the additional work that's
13 required to read the meters.

14 Do you have something more specific?

15 MR. WILLS: Yeah. We actually have something --

16 JUDGE DIPPELL: Wait. Wait. Wait. Can you
17 please identify yourself?

18 MR. WILLS: Absolutely. Steve Wills for Ameren
19 Missouri.

20 JUDGE DIPPELL: Thank you. Go ahead.

21 MR. WILLS: To actually put someone on that rate
22 we have to -- under the AMR system, we actually have to go out
23 and change out the meter for one that has a different meter
24 program on it. And given the short life of probably the
25 expectation of what that meter change out would have remaining

1 before it gets swapped out to an AMI meter, we try to build
2 something that would represent the incremental cost of
3 essentially that meter over the remaining life. Because the
4 customers within -- some within a couple months and some within
5 five years will be getting an AMI meter. So it is a meter
6 that's not going to be used for like a full meter. We're
7 putting a little bit of an incremental cost on it to reflect the
8 cost of that meter change out.

9 CHAIRMAN SILVEY: So if you're going to have to
10 go out and change the meter to, like, a middleman meter in the
11 between times why wouldn't you just take them an AMI meter at
12 the time?

13 MR. WILLS: Because they have to -- the network
14 actually has to be active in their area. There's going to be a
15 geographic staging of AMI where the -- usually there's a
16 different communications network for the AMI meters versus the
17 AMR meters, different network communicating devices. And if
18 someone -- for example, we're going to start our AMI rollout in
19 the St. Charles area. If someone in southern Missouri or
20 central Missouri wanted to go onto the Evening Savers rate -- or
21 however it ends up being finally branded -- but they lived in
22 Jefferson City, for example, they wouldn't have the
23 communications network to actually pull information from an AMI
24 meter. They'd still be working off the network communication
25 devices that talk to AMR meters.

1 CHAIRMAN SILVEY: And do you already have that
2 geographic rollout planned where we can see when people are
3 expected to be on those meters in certain areas?

4 MR. MILLS: Yeah. I know that there is
5 information. I don't know if there's anything in the record in
6 this case on it, but I know there was. We have a case where we
7 applied for some waivers from a few rules -- Commission rules --
8 to help implement the AMI case. I know that had a graphic on
9 there that showed the staging. I'm sure we can find out and get
10 it to you for your information.

11 CHAIRMAN SILVEY: Okay. And during this rollout
12 process, will you be giving the Commission regular updates if
13 there are any delays or --

14 MR. WILLS: I'm sure we would be able to do that
15 and be willing to do that. Yeah.

16 MS. TATRO: I think the plan is to keep Staff
17 updated. If the Commission wants specific updates, we can
18 arrange that, file something in the record, I suppose. Our plan
19 obviously, as we always do, is try to keep Staff informed of
20 what is going on.

21 CHAIRMAN SILVEY: Thank you. When is Ameren
22 planning to file their IRP?

23 MS. TATRO: By -- before October 1st, 2020, so
24 late September, I think.

25 CHAIRMAN SILVEY: Okay. You've mentioned in the

1 stipulation and agreement several meetings with stakeholders
2 that are planned out. Those are going to be held April through
3 June. So is there going to be enough time between those
4 meetings and whatever is produced in those meetings and your IRP
5 to include the work product of those meetings in the IRP or is
6 there going to be --

7 MS. TATRO: I think to the extent it needs to go
8 into the IRP, there will be plenty of time. You know, we will
9 be having in the not-too-distant future, the meetings that are
10 required by the IRP rules after we have all the inputs, chapters
11 done and parties give us feedback on that. The specific
12 meetings that we talked about in April, May, June, are talking
13 about the IT work in order to rollout some of this to ensure
14 that it's going along as planned and we don't have some kind of
15 hiccup going on, to talk about customer education and how we
16 plan to handle that as well. It's specific to the rollout of
17 AMI.

18 CHAIRMAN SILVEY: Okay. And on the
19 communication with customers, once they have received their AMI
20 and the six months later, is that by mail? Is that by email?
21 Is that a multi-platform outreach?

22 MS. TATRO: I would expect it to be
23 multi-platform. We are still working through that and that is
24 part of the reason that Staff requested we have some of these
25 conversations so they can see how the rollout of communication

1 is going to work. I would say it's not completely finalized
2 right now. But we all know you have to hit customers multiple
3 times in different ways in order to make sure they hear the
4 message.

5 CHAIRMAN SILVEY: Okay. The net-based energy
6 cost amount of -- it looks like \$397,234,767 is that the true-up
7 period amount per Staff's analysis or is that different?

8 MS. TATRO: It's an agreed-upon number by the
9 parties.

10 CHAIRMAN SILVEY: It looks like we've got
11 somebody else.

12 MR. LOWERY: It is in fact Staff's true-up
13 net-based energy cost.

14 CHAIRMAN SILVEY: Okay. And what was -- this is
15 a question for Ameren again. What is the net-based energy cost
16 from the last Ameren rate base?

17 MS. TATRO: Jim, do you know what that was?

18 MR. LOWERY: I can't tell you exactly, but I am
19 pretty confident -- maybe it was -- we're working on it. I'm
20 pretty confident it was about 110 million-ish more than the
21 net-base energy costs in this case.

22 CHAIRMAN SILVEY: And why is there such a large
23 decline?

24 MS. TATRO: Our transportation costs have gone
25 down substantially, our coal transportation costs.

1 MR. LOWERY: Coal commodity as well. There are
2 a number of reasons because a lot of it -- some of is driven by
3 production costs modeling, so it depends on energy prices and
4 what level of off-system sales would be. But certainly
5 delivered coal costs have gone down significantly. And
6 Mr. Meyer talked about that in his testimony that will be of
7 record in this case.

8 CHAIRMAN SILVEY: So are you confident that that
9 number is not too low as to set up future paybacks in future
10 periods?

11 MS. TATRO: We believe that's an accurate
12 number. It is the correct number to use.

13 CHAIRMAN SILVEY: Okay.

14 MS. TATRO: Is reality going to turn out to be
15 something different, it always does.

16 CHAIRMAN SILVEY: Do you have our rate base
17 number?

18 MS. TATRO: Yes.

19 MS. MOORE: The rate base number is
20 approximately \$8.1 billion.

21 CHAIRMAN SILVEY: 8.1 billion?

22 MS. MOORE: Yes.

23 JUDGE DIPPELL: And can you give the court
24 reporting name?

25 MS. MOORE: I'm sorry. Laura Moore for Ameren

1 Missouri.

2 JUDGE DIPPELL: Thank you.

3 CHAIRMAN SILVEY: Do all of the parties agree
4 8.1 billion?

5 MS. TATRO: Yes.

6 JUDGE DIPPELL: Just for the record, I am seeing
7 general nods of heads and no disagreement.

8 CHAIRMAN SILVEY: Thank you, Judge.

9 And is there an agreed on capital structure to
10 apply the ROE range to?

11 MS. TATRO: There is not.

12 CHAIRMAN SILVEY: Okay. That's all my questions
13 at the moment, Judge. Thank you.

14 JUDGE DIPPELL: Thank you.

15 Commissioner Kenney, did you have questions?

16 COMMISSIONER KENNEY: I have no questions.

17 JUDGE DIPPELL: Commissioner Rupp?

18 COMMISSIONER RUPP: I have questions of
19 Mr. Wills and not of her. How do you want to handle that?

20 MS. TATRO: I am happy to give the podium to
21 Steve.

22 MR. WILLS: Thank you.

23 COMMISSIONER RUPP: How are you, sir?

24 MR. WILLS: I'm fine. How are you?

25 COMMISSIONER RUPP: I'm doing well. Thank you.

1 MR. WILLS: Good. Good.

2 COMMISSIONER RUPP: In your testimony on Page 54
3 you quote, Dr. Faruqui has performed extensive research on the
4 efficacy of time-bearing rates at numerous utilities. Among his
5 key findings related to time-of-use rates is that in order to
6 achieve significant load shifting peak periods need to be
7 relatively short in duration, parenthesis, a few hours, and need
8 to have a significant pricing differential relative to off-peak
9 periods.

10 That was the testimony that you filed, so my
11 questions are going to follow based off that?

12 MR. WILLS: Sure.

13 COMMISSIONER RUPP: Assuming that statement is
14 still?

15 MR. WILLS: Yes. It is still correct.

16 COMMISSIONER RUPP: Thank you for handing this
17 out because I had some questions on what it was. So just walk
18 me through. First, I want to start with the Default rate. The
19 stipulation and agreement really didn't quite state what the
20 hours of on and off-peak, but looking at your sheet we are
21 looking at 9:00 a.m. to 9:00 p.m. for daytime, and evening is
22 9:00 p.m. to 9:00 a.m.?

23 MR. WILLS: That's correct.

24 COMMISSIONER RUPP: Okay. That is, what, 12
25 hours?

1 MR. WILLIS: Yes.

2 COMMISSIONER RUPP: Is that long of a time
3 period consistent with Dr. Farugui's statement that they need to
4 be very short -- relatively short in duration, a few hours, and
5 have significant pricing differential?

6 MR. WILLIS: No, I don't think the 12 hours is
7 probably in the range of what's com-- at least in my opinion.
8 Dr. Faruqui is on the phone also, if we want to ask him, but --
9 what is contemplated by his -- I think really, if I could
10 expound just a little bit on it. I think that is why we kind of
11 have a spectrum here. I don't think the anticipation is the --
12 at the Default rate. It's more of an idea of gradualism of
13 easing customers in to time-of-use, but that rate in and of
14 itself isn't intended to have huge amounts of load shifting.
15 It's more of an introduction to the concept, but certainly we
16 believe the bottom two rate options, you know, are going to meet
17 that criteria.

18 COMMISSIONER RUPP: So the price differential on
19 the Default time-of-- daytime to overnight rates is how much?

20 MR. WILLIS: I believe in the summer it's a half
21 a cent and in the winter -- in the non-summer period, I believe,
22 it's a quarter of a percent.

23 COMMISSIONER RUPP: So you're Default
24 time-of-use rate is 12 hours long and your price differential to
25 try to achieve pricing is a half percent. Correct?

1 MR. WILLIS: Again, I think the we acknowledge
2 that that is probably not going to produce large amounts of load
3 shifting, but again this is -- this is -- in the ratemaking
4 world we talk a lot about gradualism where we don't necessarily
5 want to throw customers onto something where they are going to
6 get bill shock, so to speak. So the other thing by having those
7 long periods and narrow windows is going to do, is it's going to
8 prevent immediate bills shock for customers. So it's kind of a
9 gradualism approach that hopefully those customers that are able
10 to shift load and create savings, we have the opportunity to
11 move them down onto rates that accomplish those objectives in a
12 way that the Dr. Faruqui has talked about.

13 COMMISSIONER RUPP: Do you think the average
14 customer will see any difference in a half of a cent?

15 MR. WILLIS: What I had calculated is that it is
16 likely to be within one percent of their bill on the base rate,
17 roughly one percent. It depends on the season and their usage
18 characteristics.

19 COMMISSIONER RUPP: So your Default rate that
20 you are trying to introduce everybody to help them have a
21 positive impact and positive view of time-of-use rates to help
22 them understand that they can save money is a half a cent and
23 maybe you are estimating a one percent change? And that's how
24 you want to present time-of-use rates to your customers? That's
25 their initial product rollout?

1 MR. WILLIS: So that's if they don't make another
2 election, but they will have other options in that product
3 rollout and hopefully we can communicate to those who have an
4 interest or have the ability to create more savings, that we
5 have an option that is really going to meet their desires as
6 well. There should be options that have substantially greater
7 opportunities to reduce the bill and create load shifting that
8 is going to benefit the system.

9 COMMISSIONER RUPP: So is your goal to enroll
10 them in this Default program, give them six months of data so
11 that they would realize that the Default program isn't saving
12 them any money and then there is an option that could save them
13 more? Were you hoping to introduce it to them that way and say,
14 Well, the Default one isn't doing me anything, but here is
15 another option that could actually save me money?

16 MR. WILLIS: I think the -- I mean, the way I
17 would characterize the goal with that was to not create massive
18 bill impacts by something we did by default so that customers
19 weren't surprised by a shock, but to start a process with them
20 of communication and education and to give them those options to
21 push deeper into the rate -- into the opportunities to save part
22 of the spectrum here when they're ready on their schedule. Our
23 concern with the Default rate otherwise being something like --
24 you know, I proposed the Smart Savers rate in my testimony and
25 honestly, I think it's a very good rate, but I do think that if

1 we defaulted customers on that, the bill impacts would be pretty
2 extreme and that could create some really significant customer
3 concerns and complaints if we defaulted them to something like
4 that. So what we're trying to do is use -- again, kind of use a
5 gradualism and education approach to say, Here is a place where
6 you are going to see some time differentiation, if you're
7 comfortable with that and ready to move farther, we've got a
8 place for you to accomplish your goals.

9 COMMISSIONER RUPP: What do you anticipate the
10 amount of people that will actually move off of the Default rate
11 and chose another rate? What is your projections?

12 MR. WILLS: We haven't explicitly forecasted
13 anything. I think if we look in Dr. Faruqui's testimony has
14 some adoption rates in other jurisdictions. I think some of the
15 numbers -- the one that comes immediately to mind that I know is
16 in Dr. Faruqui's testimony -- and this is -- again, this would
17 be something we would anticipate over time, not on day one. But
18 I think Oklahoma Gas and Electric smart hours rate they have
19 about 20 percent uptake of what we think of some of the more
20 sophisticated modern rate designs.

21 COMMISSIONER RUPP: What was their default rate?

22 MR. WILLS: I believe their default -- I don't
23 -- can't -- I don't believe it is time varying, so I think it
24 will be something closer to a flat rate.

25 COMMISSIONER RUPP: So a half cent --

1 MR. WILLIS: Dr. Faruqui may know specifically.

2 COMMISSIONER RUPP: So a half cent difference in
3 their default rate and then -- is that similar to what was
4 rolled out in Oklahoma. They saw the 20 percent uptick in
5 others?

6 MR. WILLIS: I'll don't believe they have
7 anything that relates exactly to a Default Day/Night rate to my
8 knowledge.

9 COMMISSIONER RUPP: Of all the utilities in the
10 United States that you have looked at, is this half cent typical
11 with a 12-hour time -- is that a typical default rate that you
12 see that you modeled off of other states?

13 MR. WILLIS: No.

14 COMMISSIONER RUPP: Is there any other states
15 that -- or utilities that have used a default rate that has a
16 half cent or lower incentive?

17 MR. WILLIS: I am not aware of one.

18 COMMISSIONER RUPP: Do you have any idea what
19 the typical default rate differential is when a utility rolls
20 out a time-of-use rate?

21 MR. MILLS: There is some tables in
22 Dr. Faruqui's testimony that shows some ranges. I can't recite
23 those, you know, from memory here, but I think they are
24 substantially larger in many cases for those utilities that have
25 default time-of-use, which is a growing number, but it's not an

1 incredibly large number, right now anyway. Defaulting on to
2 time-of-use is, I think, a relatively emerging. And again,
3 Dr. Faruqui would have some perspective on that if you would
4 like to -- if we'd like to have him discuss it at all. I think
5 that movement towards default time-of-use is in the last several
6 years and is not a huge body of where that is going to fall, but
7 I do think it would be substantially larger in most cases where
8 there is going on.

9 COMMISSIONER RUPP: I understand Ameren likes to
10 be conservative. Do you think that even with the other
11 utilities out there that have a default rate that is -- you say
12 substantially larger differential, is this default rate
13 unsatisfactorily too conservative to rollout?

14 MR. WILLS: Not in my opinion. Again, the
15 concern for us would be bill impacts right out of the gate on
16 customers who really have not had any experience with
17 time-of-use rate. So we have -- I think for those engaged
18 customers, those 20 percent that may be willing to land on a
19 more sophisticated rate, absolutely it's too conservative for
20 those folks and that's why we will try to educate them about
21 other these other options. But for the many, many Missourians
22 who are used to a flat rate and a stable bill, I think putting
23 them on something more extreme would almost certainly give us a
24 high volume of calls and complaints about the bill impacts that
25 are coming in and be something that would negatively impact the

1 customer experience, potentially, because of those bill impacts.

2 COMMISSIONER RUPP: So when you have a
3 residential customer that is not on a bill smoothing plan -- I
4 forget the one that you guys called --

5 MR. WILLIS: Budget billing.

6 COMMISSIONER RUPP: Budget billing. Thank you.
7 What is your average day -- what is the average monthly
8 fluctuation of a residential customer that is not on a budget
9 billing?

10 MR. WILLIS: I mean, I don't have an offhanded
11 number. Month to month fluctuation?

12 COMMISSIONER RUPP: Yes. What is your average
13 fluctuation? If you're not on budget billing, an average
14 residential customer will see an average of about a three
15 percent fluctuation of their bill month-to-month.

16 MR. WILLIS: Well, there's a seasonal variation
17 for sure between our summer rate level and our non-summer rate
18 level. So they definitely -- if you are not on budget billing,
19 you see a significant increase because of seasonal rates. From
20 month-to-month, that is just not a metric that I feel like I've
21 got in my pocket to say how much their January to February bill
22 changes. Certainly, it's going to change seasonally with
23 weather being at a low point in your shoulder months like
24 October and April; being much higher in the winter and higher
25 still in the summer months due to -- but there is some variation

1 that customers are used to in that regard.

2 COMMISSIONER RUPP: So I think that's my point:
3 Customers are used to variation, and even a large variation
4 depending on weather, depending on usage. But your main concern
5 was that a half a cent differential, in your words, would be,
6 you know, somewhere approaching 1 percent, would be too much to
7 spook them away from a time-of-use type of rate?

8 MR. WILLS: Well, I don't think the 1 percent is
9 too much to spook them away, but I think the bill impacts that
10 we're seeing on the deeper down rates could be substantially
11 larger than that.

12 COMMISSIONER RUPP: We'll get to those, but I'm
13 just focusing on the Default rate because that is what you're
14 defaulting customers to. That's their introduction to
15 time-of-use rates and --

16 MR. WILLS: Yeah, and I guess my point was that
17 I didn't think that was, I don't believe, is going to
18 substantially spook them at the one percent level.

19 COMMISSIONER RUPP: We're not going to
20 substantially spook them at the 1 percent. We're going to
21 introduce them to time-of-use rates. We're only going to save
22 them a half percent over a 12-hour period. Why did you design
23 the Default rate with those parameters that are not even in line
24 with Dr. Faruqui's research of short duration and differential
25 pricing to change anything?

1 MR. WILLS: Well, I mean, I wouldn't -- we
2 didn't design it. It was recommended in Staff's testimony. But
3 I think it's somewhat relatable to the Evening Savers rate that
4 we designed. The Evening Savers had a bigger differential, but
5 did had a longer off-peak. The thought that at least I would
6 put into the Evening Savers that had a long on-peak and a short
7 off-peak was that there were certain end uses, particularly I
8 have in mind electric vehicles, that are easy to shift to
9 overnight. So while a customer may not -- you know, the idea
10 that you mentioned of looking at a short on-peak window, that
11 might be most effective at moving a whole house load that
12 includes air-conditioning and things like that. But that there
13 are significant opportunities with some end uses to shift to the
14 overnight. So our thinking about having that type of a rate
15 option was, say you have someone who is home during the day
16 during the summer, maybe someone has a family at home. They
17 can't get out of the way of that 2:00 to 7:00 period where there
18 is a very high price, but they have some ends uses. They either
19 have some smart appliances or they have an electric vehicle that
20 the can shift to the overnight hours. That still provides them
21 that opportunity to take some actions that are going to benefit
22 the system. And, you know, of the Evening Savers it saves them
23 a little bit more money because there is a bigger rate
24 differential. On the Default rate, it's still going to give
25 them some indication that there is difference in using power

1 during day and night.

2 COMMISSIONER RUPP: All right. So you talked
3 about the Evening Savers, EV savers. How long is the on-peak
4 period?

5 MR. WILLIS: In that case it is 16 hours. It's
6 6:00 a.m. to 10:00 p.m. Really, as I mentioned, the idea behind
7 that was specifically when we conceptualized it, to think about
8 the electric vehicle owner who's got the ability to charge
9 during that eight-hour window.

10 COMMISSIONER RUPP: So going back to your
11 testimony, is a 16-hour on-peak period in line with what you put
12 in there that the research shows that you need to have, you
13 know, shorter durations and significant pricing differentials.
14 Is 16 hours in line with what the research is saying you need to
15 do?

16 MR. WILLIS: No. That's why we conceptualized it
17 as targeting a specific end use, because that research really is
18 geared towards looking at the whole house and how customers can
19 save considering the whole universe of appliances and HVAC uses
20 and things like that. And so I think, you know, we did talk
21 with Dr. Faruqui about the concept that we have developed here
22 that, you know, we wanted to have an option that looks like that
23 that customers could impact their whole house. But specifically
24 for the EV end use there's -- that could represent a third of
25 the customers usage all-in-one chunk. And that's a very

1 flexible load that can move to overnight hours with very simple
2 programming of a home charger or the vehicle. So for that
3 particular application, I don't believe that the research that
4 we referenced from Dr. Faruqui is contemplating that application
5 that we were, kind of, conceptualizing that rate for.

6 COMMISSIONER RUPP: Okay. And the price
7 differential on the EV savers on-peak and off-peak is --

8 MR. WILLIS: It's closer to a 2:1 ratio so it's
9 double --

10 COMMISSIONER RUPP: -- .7 to .0611.

11 MR. WILLIS: It's about double, the on-peak is
12 about double the off-peak. But again, you know, the goal there
13 was to not negatively impact that family if they have an
14 electric vehicle, but they also have, you know, a family at
15 home, a stay-at-home parent with kids. To have that \$.28 cent
16 on-peak rate from 2:00 to 7:00, that's really going to drive
17 their bill up. It's just to provide that savings for those
18 things that they can control to overnight. To me, the best
19 example obviously still is the electric vehicle charging.

20 COMMISSIONER RUPP: So then on the Smart Savers
21 -- I just want to make sure I'm reading my graph here correctly.
22 That four-hour peak period weekdays 3:00 to 7:00 in the summer
23 and then 6:00 to 8:00 a.m., 6:00 to 8:00 p.m. in non-summer?

24 MR. WILLIS: The only difference I would note is
25 in the settlement the on-peak was moved from 3:00 to 7:00 to be

1 2:00 to 7:00.

2 COMMISSIONER RUPP: 2:00 to 7:00. Thank you.
3 So when looking at the Smart Savers, this is pretty much the
4 only time-of-use rate that we talked about thus far that really
5 kind of adheres to Dr. Faruqui's key findings with regard to
6 relative shortness and duration of TOU peak periods?

7 MR. WILLS: For that specific type of research
8 this is the rate that we designed with that in particular in
9 mind.

10 COMMISSIONER RUPP: Okay. Let's go to the
11 non-time-of-use rates. The only non-time-of-use rate that has
12 been approved in the stipulation agreement is the Company's
13 current flat summer and declining block non-summer with a little
14 bit of a flattened tail block; is that correct?

15 MR. WILLS: Correct. That's the only rate with
16 no time differentiation.

17 COMMISSIONER RUPP: And isn't there substantial
18 evidence that there is good policy arguments that in the absence
19 of a time-of-use rates there needs to be a rate that encourages
20 customers to conserve energy, especially in the summer, and you
21 know, like an inclining block rate is a little more --

22 MR. WILLS: I don't -- I don't believe that
23 there's much evidence in this case of that. I think what we
24 tried to demonstrate in this case is that what is happening as a
25 trend in our industry is the focus of conservation is looking

1 more across all fuels. So if we think about the emergence of
2 electrification, for example, an inclining block rate that I
3 think you are referencing is going to discourage the
4 electrification of transportation potentially. That is
5 actually, you know, across fuels an energy-saving measure. So,
6 you know, it --

7 COMMISSIONER RUPP: Let me stop you there. So
8 this commission has approved inclining block rates for Evergy
9 Metro and Evergy West. And I believe the uptick on electric
10 vehicle adoption on that side of the state is -- dwarfs the
11 vehicle adoption. So do you believe an IVR rate, you know,
12 similar to something that Staff had proposed discourages that in
13 the absence of a time-of-use rate?

14 MR. WILLS: Yeah, directionally it has to. It's
15 going to increase the cost of electrical vehicle charging for
16 folks. It's -- I mean, just that incremental usage has always
17 been for almost all customers is going to be in that tail block
18 and with the increase in that tail block price, it's going to
19 increase the cost of fueling an electric vehicle. The
20 distinction I think I would make with Evergy, you know, I think
21 they had done a little bit more to address other barriers to
22 adoption in developing the plan charge network and I would
23 suggest that that probably had more to do with the penetration
24 of electric vehicles on their side of the state and the rate
25 structure per se.

1 COMMISSIONER RUPP: So you believe that this
2 commission's previous actions and Evergy Metro and Evergy West
3 was -- is poor public policy to encourage conservation use of
4 energy at the expense of EV adoption?

5 MR. WILLS: I think it is a policy that is
6 seeing a lot of change nationally right now. It's something
7 that was a common thing across many states and Dr. Faruqui, I
8 think, can talk at length about some of the trends that are
9 going on nationally. At those states that do have a focus on
10 that are starting to take a broader view. It is a situation
11 where, you know, if you look at the California -- and again,
12 Dr. Faruqui can talk about it -- they are trying to encourage
13 electrification to meet their emissions reduction goals and
14 their energy savings goals. They are moving away from that now
15 because electrification is really something that has taken --
16 has a lot of momentum built in the last few years that wasn't
17 really contemplated as both our state and other states were
18 making those moves into declining block rates. So I think the
19 landscape may be shifting for what are the priorities in terms
20 of how do we best produce emissions reductions and energy
21 savings with rate design.

22 COMMISSIONER RUPP: Is Dr. Faruqui on the phone?

23 JUDGE DIPPELL: He is.

24 COMMISSIONER RUPP: Dr. Faruqui?

25 DR. FARUQUI: Yes, I am here, Commissioner.

1 COMMISSIONER RUPP: It's good to hear from you.
2 Hopefully you heard the interaction I had Mr. Wills. I guess I
3 have a couple of questions for you. Did you design the Default
4 rate for the Company?

5 MR. FARUQUI: No. I did not. The Default rate
6 that they currently have in the stipulation, I believe, was
7 negotiated by the different parties. I am aware of it just as I
8 am aware of more attractive time-of-use rates, which essentially
9 are opt-in rates. So I guess the short answer to your question,
10 Commissioner Rupp, is no.

11 COMMISSIONER RUPP: Okay. If I were to amend
12 the stipulation and I were to call this the Faruqui default
13 time-of-use rate, would you be proud to have your name
14 associated with this time-of-use rate?

15 DR. FARUQUI: With this particular default
16 time-of-use rate that is in front of us?

17 COMMISSIONER RUPP: Yes?

18 DR. FARUQUI: My personal view may not be very
19 relevant because my understanding is it is a negotiated rate.
20 The way I am looking at before-you choices that Ameren Missouri
21 has laid out as part of the stipulation, I am essentially
22 thinking that Default rate is, essentially, a flat rate, a rate
23 that is time-of-use in concept, but when in practice it does not
24 have differentiation.

25 So there is some good news and bad news. The

1 good news is there won't be people complaining that my bill just
2 went up because the peak price is higher. The bad news, so to
3 speak, is that there won't be much to save. And so my gut
4 feeling as an economist, as a rate design person, is that it
5 will kind of just create some curiosity and interest. There is
6 something called time-of-use. If people are serious and have a
7 smart thermostat, they have new appliances, they are
8 environmentally conscious and they are aware and they want to
9 lower their bills, they will realize very quickly that this rate
10 is not going to do any of those things and therefore they will
11 be prime candidates for Ameren Missouri to market the other two
12 rates and that are in a package, the Smart Savers rate and the
13 Ultimate Savers rate. Those are two very well-designed optional
14 rates.

15 They're kind of like the rates we seen, for
16 example, the rate in Oklahoma was mentioned by Steve Wills.
17 They're also rates in Arizona. They're all opt-in. An opt-in,
18 well-designed and well-promoted can attract as many as 57
19 percent of the customers. That's the number that Arizona Public
20 Service has. The Salt River Project in the Phoenix area has 29
21 percent. Oklahoma Gas and Electric has 20 percent. So
22 successful opt-in, there were many good examples of that.

23 The way I look at is that they have a nice
24 portfolio here. The Default rate is time-of-use conceptually
25 but it won't really cause anyone to lose sleep or to save much

1 money. However, if we introduce the concept maybe and kind of
2 make people aware of the fact that there is an opportunity --
3 and you know, research has shown that a third of customers are
4 really interested in engaging with rate, moving their load shape
5 around and saving money. So perhaps this will act as a pivot.
6 The Default rate, mild as it is, could stimulate awareness and
7 create the interest and people will be directed to the two other
8 rates. And the ones who don't want to do anything -- and we
9 have lots of those -- perhaps a third of the population, they
10 can just stay at the Default rate and they will have nothing to
11 complain about. That is how I would look at it.

12 COMMISSIONER RUPP: Thank you. That's a very,
13 very educational answer. I appreciate it. I'm going to mark it
14 down as a no, that you don't want us to put your name on the
15 default rate. You measured Arizona at 57 percent uptick,
16 Phoenix 29, Oklahoma at 20 percent. How many of those states
17 had a default rate similar to -- well, I guess, how many of
18 those had a default rate like what you are seeing here in
19 Missouri with a half cent and a 12-hour --

20 DR. FARUQUI: So in Oklahoma, my understanding
21 is the default rate is a simple flat rate with no
22 differentiation. Arizona, neither APS nor the Salt River
23 Project have a default rate. They just have choices. They let
24 people self-select into whatever they regard as their best
25 option. So some people like me -- I have to give you an example

1 from APS. APS has about a million customers. They have several
2 choices kind of like this matrix we have for Ameren Missouri.
3 Their matrix has rates that are flat rates and some there are
4 some rates that are time-of-use rates and then there is a
5 three-part rate. So in a sense somewhat similar to this, but
6 they don't have a default rate at all.

7 So if you happen to be a small customer -- and
8 they have definitions of small and large. Less than 600 is
9 category. The next one is 600 to 1000. If you are in that
10 range, you can pick one of two flat rates and there are
11 different levels of customer charges. They can also pick if
12 they want the time-of-use rate, but they don't have to.

13 If you are a larger customer using more than
14 1000 kilowatt hours and in a Public Service territory, they have
15 to pick from one of three time-of-use rates. So they have sort
16 of a bucket of customers into categories and what they are
17 trying to do is make sure that the larger customers are creating
18 in many ways higher costs because they are bigger appliances and
19 poor load factors that they are a time-of-use rate that would
20 encourage them to shift their power from on-peak to the off-peak
21 period. So that's kind of the approach they have used.

22 SRP has a similar kind of approach, I would say.
23 If you think it might be helpful I can also comment about what
24 California is looking at. I can wait for the right moment to
25 mention that.

1 COMMISSIONER RUPP: Let me ask a question before
2 that. So Oklahoma just -- they didn't have a default
3 time-of-use. They just -- you were on the flat rate. So why
4 have a Default rate that is a half a cent over a 12-hour period
5 and that's how you introduce people to time-of-use rates? Why
6 not just keep them on the flat rate and then promote the other
7 time-of-use rates that you believe are better to the customers
8 so that they can actually see savings? What is gained by having
9 a Default rate that is set up like this and what is a potential
10 downfall to having a default rate that is set up like this when
11 compared to just having the default be the flat rate?

12 DR. FARUQUI: Great question and may I can
13 answer it in two parts because of the pros and cons. What can
14 be said positively about this very mild default rate is that it
15 makes all of the customers that have Ameren Missouri have aware
16 of something called time-of-use because most of them probably
17 today don't think about electricity having a time-of-use
18 character. It will increase awareness and consciousness that
19 there is time variation.

20 Now, admittedly it is very mild in a
21 differentiation. It is really very mild and so you could very
22 well say, Well, then why have it in the first place. Why bother
23 people with such a mild differentiation. As I said, on the
24 positive side the argument is, well, now they are all aware of
25 the fact that there is time-of-use. I think philosophically, if

1 I was following the discussions earlier when the case was being
2 filed and conversations were taking place -- I was not in those
3 conversations, but what I picked up was the sentiment at least,
4 I think, in the Staff testimony, that let's do it gradually. I
5 think Steve Wills mentioned this as well. Let's first bring in
6 the notion that there is time-of-use. Let's have a very mildly
7 differentiated default rate. Then after years go by let's begin
8 to ramp it up. I guess they were calling training wheels. I've
9 heard it called gradualism. So if that is the intent to
10 gradually ramp it up and make it a robust differentiation peak,
11 off-peak, maybe 2:1, and have a shorter peak period, then I
12 suspect this is probably the best way to do it.

13 But if the idea is just to stay with this and
14 lock it in indefinitely, then there's a part of me that says you
15 might be better off just keeping it a flat rate and encouraging
16 people to the other time-of-use rates that generate real
17 time-of-use rates. So, you know, I find myself somewhat in an
18 ambivalent role here not having been part of the negotiation and
19 what the pros and cons were. Really in the Staff testimony I
20 got the sense that they were supportive of default time-of-use
21 rates. They just wanted to start with a relatively flat
22 differential with the expectation that it would ramp up over
23 time. Again, I am putting words, perhaps, into somebody else's
24 mouth.

25 But that would be one scenario in which I would

1 find myself supporting this concept. Again, I am not a party to
2 the settlement. I'm part of the conversations and my
3 discussions with Steve Wills and others at Ameren have certainly
4 indicated that this is a starting point. But the real benefit
5 is the awareness of all the population and then perhaps to
6 direct them to the other rates, Smart Savers and Ultimate Savers
7 as being, you know, the real time-of-use rates. They are
8 modern. They are differentiated. They are easy to respond to.

9 I think convenience is a big factor in rate
10 design. Having a shorter peak period plays to the convenience
11 idea. I think the Savers rates, both of them really are
12 well-designed from that perspective. Having choices is another
13 good thing. They have a demand charge in one of the time-of-use
14 rates and they don't have it in the other. Again, that's giving
15 people choices.

16 I think the exciting part of this is the savers
17 Rate and the Ultimate Savers rate. The default rate
18 conceptually, I agree with, but yes I don't think it will do
19 much to any customers either positive or negative.

20 COMMISSIONER RUPP: I agree with you. I think
21 the exciting part is the Smart Savers rate and the Ultimate
22 Saver rate. I appreciate your commentary and advice and white
23 papers and the time you took explaining this to us today and in
24 the past. I appreciate your expertise.

25 That's the last question I had for you at this

1 time. I do have another question for Mr. Wills.

2 MR. WILLS: Sure.

3 DR. FARUQUI: Thank you.

4 COMMISSIONER RUPP: Thank you, sir.

5 Ameren had a time-of-use rate a while back. How
6 many people used to be on that rate?

7 MR. WILLS: Will still have that pil-- it's
8 designated as a pilot. There is a little over hundred customers
9 on it right now and that's about where it has been for several
10 years. I think the biggest -- I mean, if I can expound on why I
11 think that's the case. The biggest drawback with it is with AMR
12 metering. We just don't have -- the current generation of
13 metering, we don't have the information to give customers about
14 how they're already using power and what they're going to need
15 to do to be successful on it. So we haven't -- you know, it's
16 just something that's very difficult to communicate to a
17 customer without that granular usage data.

18 COMMISSIONER RUPP: So in the rate that you have
19 now, what is the cost differential between the peak and the
20 off-peak? I remember looking at this, but I don't remember it
21 off the top of my head.

22 MR. WILLS: It's actually not dissimilar from
23 the Smart Savers rate. The only difference with the Smart
24 Savers is there's an intermediate introduced. So the 2:00 to
25 7:00 is the Smart Savers time period, 2:00 to 7:00 is our

1 current default -- not our default, but our pilot time of use.
2 And the ratio is similar. You have, I think, close to \$.30
3 on-peak rate with a \$.07 cents right now on the existing pilot
4 time-of-use. The Smart Savers goes from about -- as we've said
5 here \$.28 down to \$.08 in the intermediate and \$.05 in the
6 off-peak. So it's -- the real differentiation between the Smart
7 Savers and the existing time-of-use is that introduction of an
8 intermediate price for weekend, daytime, and the balance of the
9 day. But it's -- it's not too dissimilar. Really, the reason
10 -- like I said, I think that we've had limited uptake of the
11 pilot rate is just the usage information that we are not able to
12 share with customers out of our AMR system.

13 COMMISSIONER RUPP: When did the pilot go into
14 effect?

15 MR. WILLS: I want to say 2014.

16 COMMISSIONER RUPP: Didn't you have one prior to
17 that?

18 MR. WILLS: Well, there was a time-of-use -- so
19 there was --

20 COMMISSIONER RUPP: That was the one I was
21 asking about, the one that was prior to this.

22 MR. WILLS: Okay. So before that there was --
23 and it was a -- I think it was a 10:00 to 10:00 instead of 9:00
24 to 9:00 like this. And it was -- I'm trying to think of what
25 the differential was. I don't recall the size of the price

1 differential.

2 COMMISSIONER RUPP: Wasn't it \$.03 or \$.02. In
3 my mind it was something --

4 MR. WILLS: It may perhaps be in that range. I
5 don't definitively recall.

6 COMMISSIONER RUPP: So this is why I am asking:
7 Your company has had a time-of-use rate in the past. To my
8 knowledge I believe there was testimony in one case that no one
9 used. There was not one customer on --

10 MR. WILLS: I believe we had 30.

11 COMMISSIONER RUPP: All right. In my mind
12 that's zero. And it had a very large time window of 10:00 to
13 10:00 and the differential, you know, in my mind from -- it was
14 a couple of cents and no one used. And you are rolling out your
15 default rate that actually has the same time frame and you're
16 actually lowering it and you want us to be excited that this is
17 -- I mean, I've been on the Commission for almost six years. It
18 will be six years this month. I've been wanting time-of-use
19 rates and talking about time-of-use rates. And basically, this
20 is the same thing you guys have had for a long period of time
21 and it just didn't work and that is your default rate.

22 MR. WILLS: Really quickly I would draw a couple
23 of distinctions. One, is that old rate also had an \$8 per month
24 incremental metering fee. So it -- actually the way the math
25 worked out, customers had to be able to use something like

1 two-thirds of their power off in that 12-hour off-peak and that
2 was just literally impossible with that \$8 a month.

3 So at the time our customer charge was \$8, but
4 if you had a time-of-use meter it was \$16.

5 COMMISSIONER RUPP: So basically I'm hearing
6 poorly designed time-of-use rate that did not get people to
7 participate?

8 MR. WILLIS: So it didn't draw customers in so I
9 think the distinction I would draw to our new plan is that we
10 have some really good modern rates, I think, that are in this
11 portfolio. We're using this other one, as Dr. Faruqui mentioned
12 and I've mentioned, kind of just as an introductory to concept.
13 And we will get customers on it because they will be defaulted
14 to it. So it won't be 30 customers being on it. But what we're
15 hoping to do is attract them then eventually into these more
16 sophisticated rates that have the opportunities to really create
17 savings for customers and benefits for the system.

18 These other rates are, I think, very forward
19 thinking and that they are going to help us with getting more
20 load flexibly that can help us create more renewables in the
21 future and things. And we are building those options for modern
22 rate design for a future where we can do that with our
23 customers.

24 COMMISSIONER RUPP: I think that is the last
25 question I have for you. I still have a couple of comments and

1 you don't need to respond if you don't want to. It's like if I
2 open a restaurant and have a big grand opening and I served
3 everybody the most blandest meal I can possibly, and then say
4 now you've been to my restaurant. Please come back for stuff
5 that's really even better in my restaurant. This default rate
6 is -- to me it's like the reboot of Star Wars. I mean, it's
7 been coming. People have been talking about it. It was going
8 to come. It was gonna be great. And you're super excited
9 because you want it. And then you go see it and it's the same
10 dang movie that it was, you know, the first time around, just
11 updated. I mean, the same stuff happened in that movie. Here
12 I'm looking forward to this for a long time. You guys are
13 finally doing it. And here's your default rate. It's the same
14 thing that has been done.

15 Smart Savers yeah. To me that's time-of-use
16 rate. I understand where you're going with wanting to introduce
17 it to people, but I think this is a flat rate with a time-of-use
18 sticker on it that I don't think is going to motivate people.
19 And I have a concern that it's going to actually maybe
20 disincentivize people. It's like, well, I am on time-of-use and
21 I didn't save any money and they don't. That's my concern.

22 MR. WILLS: And I think there is a little bit of
23 this that's an experiment. I appreciate your points. I really
24 do and I understand that perspective. One of the things that I
25 think is going to be incumbent upon us as company -- and we've

1 got agreements in the stipulation to do it, is to do education
2 with this. And maybe that draws them into the more advanced
3 rates for those customers who are engaged. But I think that is
4 a -- you know, a difference between anything we've done in the
5 past is that we're actually going to be out trying to teach
6 customers and approach them with new information, give them more
7 granular usage data. So I'm optimistic that we can create a
8 positive experience for customers that get them onto modern
9 rate. I -- it is -- there's something of it that is somewhat of
10 an experiment and I understand your perspective on it, for sure.

11 COMMISSIONER RUPP: I'm sure you will get more
12 than 30 people that are signed up.

13 MR. WILLIS: Undoubtedly.

14 JUDGE DIPPELL: Thank you.

15 Commissioner Coleman, did you have questions
16 from Ameren?

17 COMMISSIONER COLEMAN: Yes, I do.

18 So many of my questions relative to the default
19 rate have been responded to, so I'm going to let that go for a
20 moment. But one of my other questions surround educational
21 outreach that Mr. Willis just started talking about. I'm really
22 interested in what that is going to entail, how you're going to
23 reach people, communicate these options, and specifically if
24 there are -- if there is a way it's going to be done more than
25 just by an insert in the bill envelope?

1 MS. TATRO: And I think more than that has to
2 happen or customers aren't going to know about it. Right? We
3 know from our general communication that you have to get a
4 message to customers multiple times using different media in
5 order for them to hear it and understand it. So I know that
6 currently the team that's working on AMI metering rollout, part
7 of their charge is to think about how we communicate that to
8 customers so they know what is going on understand and they
9 understand how they can use it to benefit -- to control their
10 bill.

11 We plan to have conversations with Staff, for
12 Staff to see that information. It's not done yet. It's still
13 being worked on. Right? Our first meter rolls out in June.
14 That process is undergoing, but the intent is for it to be not
15 just a bill insert because most customers don't read their
16 bills.

17 COMMISSIONER COLEMAN: Right.

18 MS. TATRO: We know that is not sufficient.

19 COMMISSIONER COLEMAN: Has there been any
20 thought of media use, television ads, anything like that or is
21 that still in the discussion?

22 MS. TATRO: I don't know the answer to that
23 question. We find that using media like that can be very cost
24 effective. It's a great way to communicate with our customers.
25 Right? That's always the discussion we have with Staff is it

1 advertising or is it communication. That's why we have
2 Facebook. People are on Facebook and we can use that as a
3 method. I am sure that all of that is being considered. As I
4 stand here today, I can't tell you the passage is. But we do
5 recognize we have a responsibility to make sure we communicate
6 with our customers as we roll it out and we're taking that very
7 seriously.

8 COMMISSIONER COLEMAN: Concerns about the
9 elderly, those who are not on Facebook, who don't Tweet, who
10 aren't on Instagram, any of that stuff. And there are numerous
11 -- of course a lot of folks that don't have Internet access.
12 And so I'm particularly interested and concerned that those
13 folks who aren't, you know, operating in more than just
14 telephone calls because a lot of people do still like to call
15 the utility company to get information. I think there needs to
16 be a really well thought out communication plan and methods to
17 reach all of your customers.

18 MS. TATRO: I do not disagree.

19 COMMISSIONER COLEMAN: How easy is it going to
20 be for a customer to flip to a different plan if they opt-out or
21 don't opt-out of the default rate? So they're automatically put
22 in the day and night rate and then has there been any thought
23 about people automatically defaulting to that plan even if it
24 makes the bill more? Because I would think that some people
25 would have -- would find that their bill will end up being more?

1 MS. TATRO: I think Steve has looked at that a
2 little bit and found that it won't be a lot more, but some will
3 be more and some will be less. Right? That's the nature of the
4 rate. To answer the first part of the question is it's as
5 simple as a phone call to all of our customers --

6 COMMISSIONER COLEMAN: It is not like -- if you
7 have not opted out or if you decided you wanted to change your
8 plan, there is no -- well, you know, you're stuck in this for
9 the next 12 months?

10 MS. TATRO: No. No one is stuck.

11 COMMISSIONER COLEMAN: A person can change as
12 often as they desire?

13 MS. TATRO: There is nothing in the tariffs that
14 would restrict them from switching back and forth. It would be
15 hard for them maybe to gain all of the benefits if they did
16 that, but they can change. Absolutely.

17 COMMISSIONER COLEMAN: Now, if someone decided
18 to try it for six months and see what is happening --

19 MS. TATRO: Right. Yeah.

20 COMMISSIONER COLEMAN: -- and look at their
21 records and compare their six months worth of data and they
22 don't see a benefit. I like the idea. You know, I compare my
23 bill. I'm excited -- I hate to say this, but I'm excited to get
24 my bill because I want to know what I'm using now compared to
25 what I've used 12 months ago. I do think that most folks would

1 be interested in that comparison and will give it a shot. But I
2 just want to make sure that they have the ability to revert back
3 to something or switch something as many times as they desire.

4 MS. TATRO: There's no restriction.

5 COMMISSIONER COLEMAN: That's good to know. And
6 I think that's my last question. Thank you.

7 Thank you, Judge.

8 JUDGE DIPPELL: Thank you.

9 Commissioner Holsman, do you have questions?

10 COMMISSIONER HOLSMAN: I do. Thank you.

11 MS. TATRO: Good morning, sir. I don't think I
12 have met you before. Nice to meet you.

13 COMMISSIONER HOLSMAN: On Section 11 in the
14 documentation, would the Company have any objection to filing it
15 in EFIS if it was provided a highly confidential designation?

16 MS. TATRO: Did you say Paragraph 11?

17 COMMISSIONER HOLSMAN: Yes.

18 MS. TATRO: Let me get there. I apologize. I
19 didn't have it with me. I think the concern that we had is that
20 this is going to be huge.

21 COMMISSIONER HOLSMAN: Okay.

22 MS. TATRO: This is going to be a huge amount of
23 information. So -- isn't that right? Am I wrong?

24 MR. LOWERY: Yeah, Commissioner. So this is
25 hourly data. Some of this data is hourly. You're looking at

1 over a year, so you got 8760 hours times eight coal units. I
2 can't do the math in my head, but it's -- these are spreadsheets
3 that have tens of thousands of rows and columns in them.

4 MS. TATRO: And EFIS does have a size
5 restrictions. Our belief is that we would have to do something
6 -- we could not just upload it onto EFIS. I guess we'd have to
7 put it on a disk and send it to the data center and see if they
8 can upload it. But because of the size is why we went with
9 providing it with the parties instead of putting it in EFIS.

10 COMMISSIONER HOLSMAN: Okay. In Paragraph
11 27(D)1 you talk about there won't be any additional demand
12 charges until 2025. Was there any discussion of what those
13 charges would look like once 2025 is expired?

14 MS. TATRO: There was not.

15 COMMISSIONER HOLSMAN: Okay. So you have -- you
16 don't -- you won't even have that conversation for another five
17 years?

18 MS. TATRO: I mean, it won't be -- we won't
19 propose anything that's required for five years. I'm hoping
20 there's discussion in between. And we can propose something
21 that's an opt-in.

22 COMMISSIONER HOLSMAN: Okay. Paragraph 28 also
23 -- you know, why are you delaying and offering the small general
24 services who already have the AMIs a time-of-use rate? It would
25 seem like they already have them. What is the difficulty in

1 providing them a time-of-use, especially when you have some of
2 these small general service folks -- customers can potentially
3 be ones that would benefit the most by it if they're operating a
4 bar and restaurant, you know, late into the evening and have
5 energy costs?

6 MR. WILLIS: Steve Willis again for Ameren
7 Missouri. Good af-- I guess -- afternoon, now, Commissioner.
8 So there is in our SGS tariff, our small general service tariff,
9 right now a time-of-use option for customers. And it's -- I
10 would actually say it is not entirely dissimilar from the
11 Evening Savers option here. The reason we didn't do something
12 new with that is, you know, in our direct case we really focused
13 on making this about modernizing residential rates. So our
14 efforts were really focused hard on coming up with a suite of
15 rate options for residential customers.

16 The Staff did raise in testimony along the way
17 the idea of doing something like the EV savers for the small
18 general service. And at that point it was really process-wise
19 in the case. We just didn't have the rate developed or the
20 analysis done or really on the billing side, you know, these
21 things take planning, which the default rate being implemented
22 not until 2021, a lot of that is because of the IT side of the
23 planning. Like, that default rate wasn't planned from beginning
24 of our rate neither was a small general service, AMI related
25 time-of-use rate.

1 Again, I think, you know, we took -- we took the
2 task of coming into this case to modernize our residential rates
3 and kept our focus there just because that was a big undertaking
4 that --

5 COMMISSIONER HOLSMAN: But they do have options
6 similar --

7 MR. WILLS: Yeah.

8 COMMISSIONER HOLSMAN: -- to a time-of-use?

9 MR. WILLS: Yeah, so --

10 COMMISSIONER HOLSMAN: On Paragraph 41(A) it
11 says that a rolling 12-month period, but it's clear that the
12 seasons are going to really impact. Is 12 months enough time to
13 compare one summer to the other?

14 MR. WILLS: We'll have much more than 12 months.
15 This was something that I believe was in Staff testimony and so
16 we agreed to commit to it. But we're going to have a much
17 longer period of time than that. That is just what the minimum
18 that we're allowed to have per our agreement. My expectation is
19 to have multiple years worth of that data available.

20 COMMISSIONER HOLSMAN: Okay. 41(B), the data
21 that you are collecting, will that be utilized to create a
22 hosting capacity map or --

23 MR. WILLS: This is something that we are
24 getting together with Staff on. I don't think -- this is really
25 Staff's ask. I believe it's more for cost of service analysis,

1 but it might be a question for what -- you know, this is
2 something that we're going to meet and discuss what we can track
3 and provide in more granular fashions to the Staff specifically.
4 I think, you know, in terms of hosting capacity that's, you know
5 -- I don't think that's, as I understand it, the focus of this
6 here, but that is something that, you know, is on the Company's
7 radar screen. I know there's distribute energy resource
8 workshops that have discussions of databases and things like
9 that. I just don't know that it's at issue in this provision
10 right here.

11 COMMISSIONER HOLSMAN: Okay. In Paragraph 46 it
12 goes into Income Eligible Weatherization Assistance Program.
13 And the Missouri DOE had previously administered that program
14 and one of the issues they had was, you know, getting
15 compensated for the outlays that they had placed. Now, it looks
16 like you're going to take it to the weatherization agencies or
17 the community action agencies in the Ameren territory. It looks
18 like it's also going to be on a reimbursed basis. If DOE had a
19 hard time, you know, getting the funds that they expended for
20 this program, what are some assurances that Ameren would give
21 these community action groups that go ahead and implement this
22 are going to be paid back in a timely fashion?

23 MS. TATRO: First of all, I don't personally
24 know if the reimbursement was really an issue. For the money
25 that Ameren Missouri was paying, we paid it in annually every

1 year right when we were supposed to. I don't think there was
2 ever any issues with that. This is weatherization that's funded
3 specifically by us, so we won't have trouble getting the funding
4 because we are the ones providing it to the agencies.

5 COMMISSIONER HOLSMAN: Okay. And what about
6 oversight in terms of what these agencies are actually going to
7 do with the money. What is going to prevent them from using it
8 for salaries or vehicles or other non-energy efficient related
9 expenditures?

10 MS. TATRO: We will have agreements with them
11 that specify what they can and can't do with the money.

12 COMMISSIONER HOLSMAN: I see. And then who is
13 going to follow up to make sure that they didn't --

14 MS. TATRO: I'm sure Staff will ask to see them.
15 Division of Energy may ask to see them. And I'm quite confident
16 the Office of Public Counsel will ask to see them.

17 COMMISSIONER HOLSMAN: Okay. Those are my
18 questions. Thank you.

19 MS. TATRO: Certainly.

20 JUDGE DIPPELL: Thank you. Mr. Chairman?

21 CHAIRMAN SILVEY: Thank you. Just a couple of
22 brief follow-ups from previous questions.

23 Going back to an answer that was given to
24 Commissioner Rupp on the previous TOU rate being --

25 MS. TATRO: Steve?

1 CHAIRMAN SILVEY: -- being -- I'm sorry -- the
2 previous TOU rate being unrealistic because of the need to used
3 two-thirds of the energy off-peak in order to offset the cost of
4 the customer charge. Is that -- you gave that in an answer
5 earlier?

6 MR. WILLIS: Yeah. And I apologize. I had a
7 small sidebar at the beginning of your question. So that issue,
8 we had a time-of-use rate for years going back before the 2014,
9 I think, is the time that we implemented the new pilot. That
10 was along on-peak and off-peak period, but it had an \$8
11 incremental customer charge. And that presents a barrier,
12 right, because you're starting off -- by opting to go on that
13 bill -- on the rate structure you have an \$8 kind of barrier to
14 -- before you start saving.

15 CHAIRMAN SILVEY: Sure.

16 MR. WILLIS: So they had to shift more usage
17 under that rate design to the off-peak to actually have a lower
18 bill than would be the case under something where there no
19 incremental customer charge.

20 CHAIRMAN SILVEY: So then looking at the
21 Ultimate Saver rate, what's that ratio under that rate given the
22 demand charge that's also included in that rate?

23 MR. WILLIS: So the demand charge is fully offset
24 by reduction in the energy charge. So if you -- what you'll see
25 is that all of these rates are designed for the typical customer

1 if they are very, very average. They have average amount of
2 usage, average timing of usage. They will have the same bill on
3 all of these rates as a starting point. The demand charge being
4 an incremental cost, but there's also -- if you'll notice, for
5 example, in the summer, the off-peak energy charge is 4.46
6 cents. There is in effect for all hours of the summer other
7 than weekdays from 2:00 to 7:00 so for 80 percent of hours they
8 are getting a 30 -- I'm sorry -- an energy charge that's like
9 one-third of the normal energy charge. So if you have the added
10 -- these were all designed to be what we call to be revenue
11 neutral to mean that the average customer, if you pick any of
12 these and you have system average load characteristics, you're
13 going to be indifferent on all these rates as a starting point
14 so that the first thing that you do to save -- to shift usage is
15 going to start saving you net money.

16 Now, an individual customer may vary. Someone
17 whose lifestyle has them, you know, using a lot of power from
18 2:00 to 7:00 is going to have a higher bill on one of these
19 time-varying rates. But again, for that very average customer,
20 they start out almost indifferent to any of these rates. They
21 are revenue neutral in that way.

22 CHAIRMAN SILVEY: And the information that they
23 are provided six months after receiving their AMI meter, will
24 breakdown every single one of these rates, the rate option?

25 MR. WILLS: That's the plan. That's what -- so

1 that they can see -- now, the average customer should be
2 indifferent. How are you going to be? Are you going to be
3 indifferent or are you going to be starting in a hole by being
4 on this rate or starting with an advantage by being on that rate
5 given that information.

6 CHAIRMAN SILVEY: And is any of that education
7 anticipated to start before that initial, Hey, it's been six
8 months, here's your bill insert?

9 MR. WILLIS: So there is a provision in the
10 stipulation that we will start -- at the time they get the
11 meter, they will get information about the rate. The problem is
12 we won't have their AMI. Because we're just putting in the AMI
13 meter. We won't have their specific usage --

14 CHAIRMAN SILVEY: Right.

15 MR. WILLIS: -- to be able to tell them how
16 they're going to do on the rate. But they will get information
17 that explains what the rates are. Basically, when they can
18 start accessing that is really a function of our IT programming
19 efforts right now and that is why we have a series of meetings
20 with the Staff and Office of the Public Counsel to talk about
21 when that is going to become available to customers. But I can
22 tell you it's going to at the earliest opportunity that our
23 folks can do a good job programming the tools that are necessary
24 for that.

25 CHAIRMAN SILVEY: And once you have selected

1 that rate after six months, you've got all the data for the
2 previous six months, you've looked at the comparison, you've
3 chosen a rate, what tools will be available to the customer
4 moving forward so that three months down the road they can look
5 back and say, well, did I make the right choice?

6 MR. WILLIS: Yes. That tool will be indefinitely
7 available, that rate comparison. You should always, once you've
8 gotten enough AMI data to do some rate comparisons, you can
9 always go back and look at that and say, okay, is what I
10 initially did the right choice. Should I be switching out now.
11 With that, I do want to give a clarification on something that
12 Ms. Tatro said in response to Commissioner Coleman's question.

13 Customers can always switch to any of the flat
14 rate or the default rate. But I think the more advanced rates
15 that you can't just pop in and out of them. I think at least
16 the way the tariffs are drafted. If you go on the Smart Savers
17 rate, you can go back to the flat or the default rate at any
18 time. But if you left Smart Savers you can't -- you have to
19 wait 12 months to come back to Smart Savers.

20 But my point to your question was that at
21 anytime they can use that rate comparison tool to evaluate their
22 options and see, am I am on the right rate. And in almost all
23 cases they can switch back out, they just can't switch back to
24 Smart Savers or Ultimate Savers if they've just moved off of it.
25 But if they've moved on to it, they can go back to a flat rate

1 or a default day/night rate.

2 CHAIRMAN SILVEY: And that's a 12-month
3 prohibition?

4 MR. WILLIS: It's 12 months.

5 CHAIRMAN SILVEY: Okay. What are your
6 projections for -- and this is also tying into Commissioner
7 Rupp's questions. How many people are you projecting to go on
8 each of these rates? I mean, you have to have ideas of how many
9 people you think will stay default and how many people you think
10 will move off --

11 MR. WILLIS: So didn't do any explicit --

12 CHAIRMAN SILVEY: Maybe not specifically
13 breaking them all down, but like how many people do you expect
14 to stay on default?

15 MR. WILLIS: So again, we didn't explicit
16 forecasting. I think what we've done is looked to other
17 utility's experience to give ourselves a range that may occur.
18 I think that, you know, Dr. Faruqui mentioned some of those
19 numbers of other utilities. You know, we went into this with an
20 expectation of moving, you know, tens of thousands if not
21 hundreds of thousands of customers over time onto these smart
22 rates. I have in my mind what I talk about with customers that
23 OG&E example of 20 percent. That's not like an explicit target
24 or forecast that Ameren has established, so to speak.

25 CHAIRMAN SILVEY: So you think it would be

1 reasonable to expect 80 percent to stay on the default rate?

2 MR. WILLIS: Yeah. Or some of them may even go
3 back to the completely flat rate. I mean, that's an expectation
4 but this is going to be dynamic over time. You know, what we
5 could do is, you know, achieve one level and do a later
6 marketing wave and try to bring more people on also. So I think
7 it will be dynamic over time.

8 CHAIRMAN SILVEY: Thank you.

9 JUDGE DIPPELL: Thank you.

10 COMMISSIONER HOLSMAN: I have one more
11 follow-up.

12 JUDGE DIPPELL: All right. Commissioner
13 Holsman?

14 COMMISSIONER HOLSMAN: Thank you.

15 How does this interact with distributed
16 generation customer who are bringing solar power onto the grid?
17 If they have bringing solar power onto the grid at an on-peak
18 time and they have rollover credits at the end of the month that
19 are going to will be applied to the next month, how do you
20 envision them getting the value of pulling on-peak generation?
21 Are you going to amortize it over both rates or you are going to
22 actually be able to identify that power for the value that it's
23 created?

24 MR. WILLIS: So actually the more advanced
25 time-of-use rates right now are listed as not eligible for net

1 metering and that's just a function of the way the net metering
2 law prescribes the way we settled it, which is that you net the
3 full energy produced and consumed over the course of the month.
4 And if you do a monthly netting, then there is one number of
5 consumption that doesn't fit into time-of-use buckets. So it
6 really is that those tariffs are at least currently not
7 compatible with --

8 COMMISSIONER HOLSMAN: So if you have
9 distributed generation you're not going to be eligible for
10 time-of-use?

11 MR. WILLS: Certainly for the more advanced
12 time-of-use rates. Now, since the default is something that the
13 -- you know, as the Staff proposed it in this case and we have
14 been working through it, we're still drafting the tariff. It
15 doesn't even have any specific provisions yet. We are working
16 on those provisions for the default day/night rate.

17 COMMISSIONER HOLSMAN: I would certainly
18 encourage you to figure out a way to integrate our distributed
19 generation customers with the opportunity to maximize the value
20 of their investments.

21 MR. WILLS: Sure. I appreciate that.

22 JUDGE DIPPELL: Commissioner Rupp?

23 COMMISSIONER RUPP: Yes.

24 So how -- if the net metering laws and rules and
25 stuff won't allow you to use the time-of-use rates, then how

1 would the default one actually still fit? Is it because it is
2 not really a time-of-use rate or you don't have to be subject to
3 the laws and the rules that are out there for the other ones?

4 MR. WILLIS: That's actually, I believe, an issue
5 for tariff drafting that we haven't even really discussed with
6 the Staff yet, who proposed the rate. I mean, it's something
7 that we're actually going to be working through as we draft
8 compliance tariffs with that rate.

9 COMMISSIONER RUPP: So you can draft a
10 compliance tariff for the default rate so that it would work
11 with net metering, but you can't draft tariffs for Evening
12 Savers, Smart Savers, and Ultimate Savers that would work with
13 the net metering?

14 MR. WILLIS: I mean, I believe it is technically
15 possible to write one.

16 COMMISSIONER RUPP: So you can, you're just not
17 going to?

18 MR. WILLIS: We haven't at this point.

19 COMMISSIONER RUPP: Thank you.

20 JUDGE DIPPELL: Are there any other commission
21 questions for Ameren at this time? All right. Thank you.

22 With that, we've been going over an hour and a
23 half. I would like to go ahead and take a ten-minute break and
24 then return with Staff and the other parties' questions for the
25 presentation. Let's go ahead and break until 12:50.

1 (OFF THE RECORD.)

2 JUDGE DIPPELL: I apologize, right as I went off
3 the record, the commissioners informed me that they may not have
4 questions for the other parties except for one for Staff. So if
5 everybody's still in the room, I apologize to those listening
6 in.

7 MS. TATRO: Before you start I want to make a
8 clarification. Are we are on the record?

9 JUDGE DIPPELL: Yeah, we are. Go ahead.

10 MS. TATRO: So the sheet that I handed out with
11 the rates, I am told that may not be the final rates. I thought
12 they were, so that was an attorney not knowing what was going
13 on. I apologize. They're still being calculated and there's
14 still discussion between Staff and Ameren, so some of those
15 numbers may change. Sarah? Do you agree with that? There she
16 is.

17 MS. LANGE: Yes.

18 COMMISSIONER RUPP: So you're saying that
19 there's a chance that the default rate could substantially
20 improve than what's on this?

21 MS. TATRO: I fear the default rate is not going
22 to substantially change.

23 JUDGE DIPPELL: Okay. Mr. Chairman, you said
24 you had a question for Staff. Do you want --

25 CHAIRMAN SILVEY: I do. I just have one

1 question.

2 JUDGE DIPPELL: You want to just ask that
3 question and -- or do you want to hear from Staff otherwise?

4 CHAIRMAN SILVEY: No, I just want to ask the
5 question.

6 JUDGE DIPPELL: Okay.

7 CHAIRMAN SILVEY: If that's okay.

8 JUDGE DIPPELL: You can go ahead.

9 CHAIRMAN SILVEY: So in the stip and agreement
10 on 48 there is a section on dues and donations, signatories
11 agree that Staff's position on dues and donations as contained
12 in the Staff report may be adopted for the purposes of this
13 settlement for the following groups and associations. I would
14 just like a breakdown of what all of those acronyms are of those
15 groups.

16 MR. KEEVIL: Mr. Chairman, that -- even though
17 it refers to Staff's report, the actual acronyms in that
18 paragraph itself was, I believe, the impotence of -- from Office
19 of Public Counsel.

20 CHAIRMAN SILVEY: Okay.

21 MR. KEEVIL: So --

22 CHAIRMAN SILVEY: Well, whoever can answer.
23 Whoever can tell me what these acronyms are, that's all I want
24 to know.

25 MR. HALL: Commissioner Silvey, my witness is

1 going to correct me on this, but I know it's -- water group,
2 there's -- actually I'm just going to turn the mic over.

3 CHAIRMAN SILVEY: I've got UARG. Does anybody
4 know what that is?

5 MR. MARKE: United Air Regulatory Group.

6 CHAIRMAN SILVEY: Okay. US--

7 COURT REPORTER: I'm sorry. Your name?

8 MR. MARKE: I'm sorry. G-E-O-F-F, Marke,
9 M-A-R-K-E.

10 CHAIRMAN SILVEY: Okay. So just to repeat.
11 UARG is?

12 MR. MARKE: Utility Air Regulatory Group.

13 CHAIRMAN SILVEY: Okay. USWAG?

14 MR. MARKE: Utility Solid Waste Alliance Group.

15 CHAIRMAN SILVEY: UWAG?

16 MR. MARKE: Utility Water Alliance Group.

17 CHAIRMAN SILVEY: MOG?

18 MR. MARKE: Midwest Ozone Group.

19 CHAIRMAN SILVEY: REGFORM? What is REGFORM?

20 MR. MARKE: REGFORM is a group that's located
21 here in Jefferson City. I think they are called REGFORM. It's
22 Missouri REGFORM.

23 CHAIRMAN SILVEY: Okay. IERG?

24 MR. MARKE: Illinois. It's the Illinois version
25 of REGFORM.

1 CHAIRMAN SILVEY: And then it just says other
2 environmental group dues. How broad is that?

3 MR. MARKE: We don't -- we -- there were no
4 other environmental groups that were identified. I'm using the
5 term environmental very loosely here.

6 CHAIRMAN SILVEY: Okay. So could -- how would
7 that work then. It says other environmental groups, so would
8 the Company just be able to --

9 MS. TATRO: If I may explain.

10 MR. MARKE: I believe --

11 CHAIRMAN SILVEY: Sure.

12 MS. TATRO: This is a black box settlement with
13 a dollar number. The Office of Public Counsel thought it was
14 important to specifically identify certain groups that it didn't
15 want anyone to think that it had signed off on the dues being
16 included in that negative 32, so that is why they are listed
17 there. I don't know that there is any other environmental group
18 due that hasn't been identified. Those were the ones that were
19 at issue.

20 CHAIRMAN SILVEY: Okay. Thank you.

21 That was my question, Judge. Thank you.

22 JUDGE DIPPELL: All right. Okay. And
23 Commissioner Holsman had a question, I believe, for Renew
24 Missouri.

25 COMMISSIONER HOLSMAN: Yes.

1 Was there any discussion concerning the net
2 metered customers and the prohibition on their ability to have
3 time-of-use?

4 MR. OPTIZ: Commissioner, I don't want to get
5 into any discussions that would be considered settlement
6 discussion. I will say for Renew Missouri's perspective the net
7 metering customers were -- some class of customers were very
8 concerned about potentially being forced on to certain rates in
9 the future. Whether they would be prohibited was not something
10 we specifically identified within our positions we've taken.

11 COMMISSIONER HOLSMAN: I will just make a
12 comment that this is a great concern to me that these customers
13 would not have access to time-of-use so much so that I think it
14 needs to be revisited and talked about. Not today for this
15 settlement, but certainly for the July discussion that comes up.
16 Thank you.

17 JUDGE DIPPELL: And were there any other
18 commission questions for any of the other parties?

19 MR. HALL: Judge, I don't mean to interrupt --

20 JUDGE DIPPELL: Go ahead.

21 MR. HALL: -- but we just got clarification that
22 the REGFORM group is lot a standalone term. It's actually a
23 Regulatory Environmental Group is the full group's name. For
24 Missouri.

25 MS. TATRO: Just for the record, when you said

1 Alliance, it was actually Activities. The A in these things is
2 Activities. So note to self: Mr. Byrne is right. We should
3 never put in abbreviations without spelling it out completely,
4 so I have to give him that one.

5 JUDGE DIPPELL: Mr. Chairman?

6 CHAIRMAN SILVEY: Just to clarify, the numbers
7 on the sheet that you gave us, you indicated are not final.
8 When can we expect to see final and which programs do you expect
9 to be moving?

10 MS. TATRO: I will let Steve or Sarah about
11 that. Obviously, we have to have final rates to do the tariff,
12 so we need to come to agreement on that soon. We just haven't
13 had an opportunity to do so.

14 CHAIRMAN SILVEY: Once that agreement is
15 reached, can we receive the document as succinct --

16 MS. TATRO: You want us to update that document?
17 We can certainly do that.

18 CHAIRMAN SILVEY: Yes. I thought it would help
19 through the tariff to --

20 MS. TATRO: Right. I understand. We can do
21 that. Sure.

22 MR. WILLS: I will say, these are the rates that
23 Ameren Missouri has drafted and circulated to Staff and they are
24 in the review process on them. I am not aware of any, like,
25 major material changes, but certainly changes in, you know, the

1 last couple decimal place or something like that. I don't know
2 that that's what -- you know, we just have to get their review.

3 CHAIRMAN SILVEY: Once the tariff is drafted, if
4 you could update this document and circulate it to the
5 commissioners, I think we would appreciate that.

6 MS. TATRO: As soon as we have -- we feel we
7 have an agreement on those, I will do something. Thank you.

8 JUDGE DIPPELL: Ms. Lange, you look like you
9 might have another comment? You're in agreement?

10 MS. LANGE: I have a lot of comments, but I'll
11 withhold them.

12 JUDGE DIPPELL: All right. Commissioner
13 Coleman, you had --

14 COMMISSIONER COLEMAN: Just one. Mr. Wills,
15 just to confirm, the last information that you gave us about the
16 customer's ability to opt-in or opt-out is your final answer?

17 MR. WILLS: Yes. So there's no limitation on
18 when you can go to these top two rates. If you are on one of
19 the more sophisticated time-of-use rates, you can opt those.
20 But if you've been on a Smart Savers and leave it, then there's
21 a 12-month waiting period to go back on it or the evening or the
22 Ultimate Savers.

23 COMMISSIONER COLEMAN: Okay. Thank you.
24 Thank you, Judge.

25 JUDGE DIPPELL: Okay. Are there any other

1 commission questions for any of the parties? All right. Seeing
2 no more commission questions, we will take a break and we will
3 come back with a few housekeeping and I just -- we'll have one
4 question about the tariff effective date and how you see the
5 procedural side of things going forward with new tariffs and
6 request of the commission to approve the stipulation and so
7 forth.

8 With that in mind, let's take a short break and
9 come back at one o'clock. At this time we are off the record.

10 (OFF THE RECORD.)

11 JUDGE DIPPELL: We are back on record after our
12 break. Before we get into housekeeping stuff, we will sort
13 procedural issues. My question was, so the agreement
14 contemplates the Commission approving tariffs to be effective
15 April 1 or it says, as soon thereafter as possible. How was
16 that going to work if you don't have the tariffs put together
17 yet. Correct?

18 MS. TATRO: I mean, we always have to -- this
19 happens -- there's probably more in his case, but it always
20 happens that we have to redo the tariffs because the rate we
21 filed is never the rate that ultimately gets ordered. So we're
22 working right now to put those rates together. I believe we've
23 drafted them, we've circulated them to Staff to look at. So
24 albeit there's probably a few more tariffs at issue, this is
25 really no different than the process that normally occurs. The

1 Commission, I assume, I hope will issue an order approving the
2 stipulation. They will then reject the tariffs that are
3 currently filed and order us to refile tariffs that are in
4 compliance with the order and we will do so.

5 The Commission will allow people time to look at
6 it and to confirm that they are accurate then approve them
7 effective April 1st.

8 JUDGE DIPPELL: Okay. But those will just be
9 tariffs dealing with the stipulation and agreement. We still
10 have two issues, but those issues, the effect on the tariff of
11 the issues that are outstanding will go into effect at a later
12 tariff; is that --

13 MS. TATRO: There are two -- right. There are
14 two issues. One is AMS costs and dealing with affiliate
15 transaction rules. If the Commission were to find that some of
16 those costs shouldn't be recovered, we've agreed to put those
17 costs into a regulatory liability and they will go into rates in
18 the next case. If the Commission decides to change the FAC
19 sharing percentage, since this case will still be open, the
20 Commission can then order us to go back and change that sharing
21 percentage in the FAC.

22 So, the one that we're filing to take effect
23 April 1st will be 95/5, but it can still be changed in this case
24 because of course the FAC tariff has to change in a rate case.

25 JUDGE DIPPELL: Okay. And so if, say, the

1 Commission at its next opportunity, which will be next week's
2 agenda was able to approve the stipulation and agreement, how
3 soon do you think, then, that tariffs could be filed in
4 compliance with that order?

5 MS. TATRO: I mean, typically, we have been able
6 to file them within days because we start working on them even
7 before we get the Commission order. You know, we presume the
8 Commission's going to approve the stip, although I recognize it
9 that's a presumption. So we would hope within a matter of days
10 and -- but at this point, we don't have an agreement. Staff
11 hasn't completed their agreement, their review -- I'm sorry.
12 And we haven't had whatever discussions to make sure we are
13 agreeing with the final numbers, but that is underway.

14 JUDGE DIPPELL: Okay. And then of the other
15 parties, if Ameren files compliance tariffs, how quickly will
16 the other parties being able to review those tariffs and know
17 that they have no objection? Would you envision that once
18 Ameren submits them, Ameren's going to have your permission that
19 those are --

20 MS. TATRO: Just to be clear, our goal -- we
21 probably will circulate them to all of the parties as soon as we
22 feel like we have the right numbers so that they can start
23 reviewing them. Obviously, the Commission needs to give the
24 other parties some amount of time to review them and make sure
25 they are, indeed, what we claim they are. So that's it's a

1 hurried process the end.

2 JUDGE DIPPELL: So typically, when they file the
3 tariffs, Staff and OPC are going to have had a chance to look at
4 them and know whether or not they comply or will you need a day
5 or a couple of days?

6 MR. KEEVIL: Typically, Judge -- I just checked
7 with my head of my tariff department. Typically, on a
8 stipulated rate case we'll have somewhere from three to five
9 days to review compliance tariffs because not only do we have to
10 review them, obviously, we have to make a recommendation too.

11 JUDGE DIPPELL: Well, I'm just trying -- you
12 know, we're within a month of April 1st and, you know, only
13 three agenda dates and the Commission at the least needs ten
14 days for an effective date unless there is, I suppose, a waiver
15 of that from --

16 MR. KEEVIL: Do you need that on a non-- I
17 shouldn't say noncontested -- on a stipulated case, you need 10
18 days?

19 JUDGE DIPPELL: The typical practice has been --
20 the courts have told us that anything less than ten days is
21 unreasonable, so we try to abide by that.

22 MS. TATRO: And we'll use those ten days to --
23 if we have an agreement on the tariffs beforehand we will be
24 circulating them to all the parties so that parties can look at
25 -- I mean, we will do everything we can to help speed this up.

1 When we file the tariffs, we will file for expedited treatment.
2 And if we end up not making April 1st, then we don't make April
3 1st. But it's a rate decrease, I think the parties have
4 incentive to review quickly and try to get tariffs in place.

5 JUDGE DIPPELL: And --

6 MR. LOWERY: Judge, this -- pardon me.

7 JUDGE DIPPELL: Go ahead.

8 MR. LOWERY: This may not make you feel better,
9 but perhaps it will. We are, I think, on virtually the exact
10 same timeline we were on in the last rate case that was settled.
11 I think we filed that stipulation right at the end of February.
12 We were -- I think we looked at the dates and we are on the same
13 timeline. We all made it that time.

14 JUDGE DIPPELL: Okay.

15 MR. LOWERY: That doesn't guarantee success, but
16 I know it's been done pretty much just like this before.

17 JUDGE DIPPELL: No. That is helpful. That's
18 the reason I'm asking about it now because I am trying to get
19 ahead of any timing issues or anything that we might have, and
20 let the Commission know what to expect on their calendar. Okay.
21 Were there any other statements or issues that you all wanted to
22 get on the record today in front of the Commission that you
23 didn't have the opportunity to present?

24 MR. WESTEN: Judge, if I might? Just for the
25 Commission's benefit if they have any further questions on

1 weatherization, they're invited to look at the testimony of
2 Ms. Oerly, which I believe answered the majority of Commissioner
3 Holsman's questions.

4 JUDGE DIPPELL: Okay. Thank you. Anyone else
5 have anything that they wanted to clarify or, like you say, get
6 on the record today?

7 MR. KEEVIL: Judge, this is not really a
8 clarifying today's presentation, but I did have a question
9 regarding next week's hearing.

10 JUDGE DIPPELL: All right.

11 MR. KEEVIL: Do you envision both a general
12 opening and an opening for each individual issue since there's
13 only two issues? Do you really need, you know --

14 JUDGE DIPPELL: Ms. Tatro, it looks like she
15 wants to have input.

16 MS. TATRO: I agree. I don't think we need a
17 general opening. I think we could just do openings on each
18 issue.

19 MR. HALL: If I can speak? The idea of having
20 one umbrella opening and mini openings was an ask that OPC had
21 with the parties. Considering there's only two remaining issues
22 for debate, I think just having two separate openings or one
23 makes sense.

24 JUDGE DIPPELL: I think that makes sense since
25 the issues aren't necessarily related. I think we could just do

1 an opening on each issue.

2 MR. KEEVIL: Just do the minis then?

3 JUDGE DIPPELL: Yeah. Let's plan to do that.
4 Okay. So we wanted to go ahead and introduce some of the
5 testimony and you-all each sent me your premarked exhibit list.
6 Shall we just begin then, with Ameren? What testimony did you
7 have that you wanted to offer up today?

8 MS. TATRO: And these have already been marked
9 given to the court reporter. 001 is the direct testimony of
10 Warren Wood. 009, is the rebuttal testimony of Matt Michels.
11 That was one we had previously reserved, but then the issue
12 ended up getting resolved, so we'll go ahead and add that in
13 today, as well as 010, surrebuttal of Matt Michels; 017,
14 rebuttal testimony of Todd Schatzki; 18, Jim Williams rebuttal
15 testimony; 19, Marci Althoff direct testimony; 20, Marci Althoff
16 rebuttal testimony; 21C and 21P, is S. Hande Berk's direct
17 testimony, confidential and public; direct -- I did say that?
18 22C and 22P is Mark Birk direct testimony, confidential and
19 public. 23 is the direct testimony of Ahmad Faruqui. 24 is the
20 rebuttal testimony of Ahmad Faruqui. 25 is the direct testimony
21 of Michael Harding. 26 is the rebuttal testimony of Michael
22 Harding. 27C and P is the direct testimony of Kelly
23 Hasenfrantz, confidential and public. 28 is the direct
24 testimony of Robert Hevert. 29 is the rebuttal testimony of
25 Robert Hevert. 30 is the direct testimony of Thomas Hickman.

1 31 is that rebuttal testimony of Thomas Hickman. 32C and P is
2 the rebuttal testimony of Jeffrey Jones, confidential and
3 public. 33 is the rebuttal testimony of Mitchell Lansford. 34
4 is rebuttal testimony of David Loesch. 35 is rebuttal testimony
5 of Trina Muniz. Wow, we have a lot of witnesses.

6 36 is the direct testimony of Ryan Ryterski. 37
7 is the rebuttal testimony of Ryan Ryterski. 38 is the direct
8 testimony of Darryl Sagel. 39C and P is the rebuttal testimony
9 of Darryl Sagel, confidential and public. 40 is the rebuttal
10 testimony of Bradley Seltzer. 41 is the direct testimony of
11 John Spanos. 42 is the rebuttal testimony of John Spanos. 43
12 is direct testimony of Brenda Weber. 44 is the rebuttal
13 testimony of Brenda Weber. 45 is rebuttal testimony of Scott
14 Wibbenmeyer. 46 is the direct testimony of Steven Wills; and 47
15 is the rebuttal testimony of Steven Wills.

16 The remaining testimonies will be offered at the
17 hearing next week.

18 (WHEREIN; Ameren Exhibits 1, 9, 10, 17, 18, 19,
19 20, 21C, 21P, 22C, 22P, 23, 24, 25, 26, 27C, 27P, 28, 29, 30,
20 31, 32C, 32P, 33, 34, 35, 36, 37, 38, 39C, 39P, 40, 41, 42, 43,
21 44, 45, 46, and 47 were offered into evidence.)

22 JUDGE DIPPELL: Would there be any objection to
23 those items of testimony coming into the record? Seeing none,
24 then I will admit each of those that Ms. Tatro just listed.

25 (WHEREIN; Ameren Exhibits 1, 9, 10, 17, 18, 19,

1 20, 21C, 21P, 22C, 22P, 23, 24, 25, 26, 27C, 27P, 28, 29, 30,
2 31, 32C, 32P, 33, 34, 35, 36, 37, 38, 39C, 39P, 40, 41, 42, 43,
3 44, 45, 46, and 47 were received into evidence.)

4 JUDGE DIPPELL: Staff, what exhibits did you
5 want to offer today?

6 MR. KEEVIL: Judge, I thought what we would do
7 is just offer everything except what is going to be reserved for
8 the hearing next week. Maybe if I turned on my microphone that
9 would be good.

10 Exhibit 100 is the revised direct testimony of
11 Lisa Ferguson. And when I say revised, that was -- it was
12 prefiled. Okay.

13 Get that to the court reporter. They haven't
14 been marked, okay, on the thing. Do you need them --

15 JUDGE DIPPELL: That's all right.

16 COURT REPORTER: Do you have a list? I can use
17 that.

18 MR. KEEVIL: Okay. Good enough. Okay. Exhibit
19 101 would be the Staff Report, Cost of Service. And that would
20 be both 101C and 101 Public. 102 is also both confidential and
21 public versions, Appendix 1, Appendix 2, and Appendix 3 of the
22 Staff Cost of Service Report. Exhibit 103 is the -- again,
23 confidential and public, Appendix 4, Parts 1 and 2 of the Staff
24 Cost of Service Report. Exhibit 104, which is just public,
25 Staff's Direct Accounting Schedules. Exhibit 105 is the direct

1 testimony of J. Luebbert. Exhibit 106, both confidential and
2 public, Staff Report on Class Cost of Service with Appendix 1
3 and Appendix 2. Exhibit 107 is the supplemental direct
4 testimony of Sarah Lange. Exhibit 108 is the rebuttal testimony
5 of Paul Amenthor. Exhibit 109, rebuttal testimony of Kory
6 Boustead; Exhibit 110, both confidential and public, the
7 rebuttal testimony of Contessa King; Exhibit 111, rebuttal
8 testimony of Kim Cox; Exhibit 112, rebuttal testimony of Lisa
9 Ferguson; Exhibit 113, rebuttal testimony of Robin Kliethermes;
10 Exhibit 114, rebuttal testimony of Shawn Lange; Exhibit 115,
11 rebuttal testimony of J. Luebbert; Exhibit 116, rebuttal
12 testimony of Dana Eaves; Exhibit 117, both confidential and
13 public, rebuttal testimony of Jason Kunst; Exhibit 118, rebuttal
14 testimony of Karen Lyons; Exhibit 119, both confidential and
15 public, rebuttal testimony of Antonija Nieto; Exhibit 120,
16 rebuttal testimony of -- excuse me -- that one is reserved for
17 next week. So Exhibit 121, rebuttal testimony of Sarah Lange;
18 Exhibit 122, rebuttal testimony of Michael Stahlman. Exhibit
19 123 is reserved for next week. So we would go to Exhibit 124,
20 both confidential and public, rebuttal testimony of Jeffrey
21 Smith; Exhibit 125 confidential and public, rebuttal testimony
22 of John Cassidy; Exhibit 126, rebuttal testimony of Matthew
23 Young. Exhibit 127 is reserved for next week. So Exhibit 128
24 is the supplemental surrebuttal of Daniel Beck. Exhibit 129 is
25 the supplemental surrebuttal of Sarah Lange.

1 I think that is all of them.

2 (WHEREIN; Staff Exhibits 100, 101P, 101C, 102P,
3 102C, 103P, 103C, 104, 105, 106P, 106C, 107, 108, 109, 110P,
4 110C, 111, 112, 113, 114, 115, 116, 117P, 117C, 118, 119P, 119C,
5 121, 122, 124P, 124C, 125P, 125C, 126, 128, and 129 were offered
6 into evidence.)

7 JUDGE DIPPELL: All right. Would there be any
8 object to those Staff exhibits? Basically, 100 through 119,
9 121, 122, 124 through 126, 128, and 129 coming into the record?
10 Seeing none, I will admit those exhibits.

11 (WHEREIN; Staff Exhibits 100, 101P, 101C, 102P,
12 102C, 103P, 103C, 104, 105, 106P, 106C, 107, 108, 109, 110P,
13 110C, 111, 112, 113, 114, 115, 116, 117P, 117C, 118, 119P, 119C,
14 121, 122, 124P, 124C, 125P, 125C, 126, 128, and 129 were
15 received into evidence.)

16 JUDGE DIPPELL: Public Counsel, did you have any
17 exhibits you wanted to offer at this time?

18 MR. HALL: Yes. Thank you, Your Honor. We
19 provided an exhibit list, but off the record we discussed your
20 preferred numbering, so I'll be clear on what numbers are
21 assigned to which testimony today.

22 Public Counsel offers the testimony, Exhibit
23 203, the direct testimony Geoff Marke. 204 will be the rebuttal
24 of Geoff Marke. 205 is the surrebuttal testimony of Geoff
25 Marke. 209 is the direct testimony of John A. Robinett.

1 Exhibit 210, the direct testimony John S. Riley.

2 JUDGE DIPPELL: I'm sorry. 209 was which one?

3 MR. HALL: Direct testimony of John Robinett.

4 JUDGE DIPPELL: Okay. Go ahead.

5 MR. HALL: Exhibit 211, both public and
6 confidential is the direct testimony of Amanda C. Conner.

7 Exhibit 212, the rebuttal testimony of Amanda Conner; Exhibit
8 213, the direct testimony of David Murray, both public and
9 confidential. Exhibit 214 will be the rebuttal testimony of
10 David Murray, both public and confidential. And that is all the
11 testimony Public Counsel offers today.

12 (WHEREIN; OPC Exhibits 203, 204, 205, 209, 210,
13 211P, 211C, 212, 213P, 213C, 214P, and 214C were offered into
14 evidence.)

15 JUDGE DIPPELL: Okay. Was there -- I'm sorry,
16 since we have a little difference in our numbering, I just want
17 to make sure I've got that right. So it was 203, 204, 205, 209,
18 211, 212, 213, and 214?

19 MR. HALL: 210 was the direct testimony of John
20 Riley and you 211 Amanda Conner.

21 JUDGE DIPPELL: Okay. I thought I'd missed one.
22 All right. Seeing that, are there any objections to those
23 exhibits of Office of the Public Counsel coming into the record
24 at this time? Seeing none, I will admit those exhibits.

25 (WHEREIN; OPC Exhibits 203, 204, 205, 209, 210,

1 211P, 211C, 212, 213P, 213C, 214P, and 214C were offered into
2 evidence.)

3 JUDGE DIPPELL: Division of Energy, do you have
4 exhibits that you wanted to offer at this time?

5 JACOB WESTON: Yes, Judge. Thank you. The
6 Division of Energy has two exhibits. The first is Exhibit 300,
7 which is the direct testimony of Marci Oerly, that's O-E-R-L-Y.
8 And then we also offer the DE Exhibit 301, which is the direct
9 testimony of Mr. Martin R. Hyman. And that's it.

10 (WHEREIN; DE Exhibits 300 and 301 were offered
11 into evidence.)

12 JUDGE DIPPELL: And you've given copies of those
13 to the court reporter or you have some for the court reporter?

14 MR. WESTON: I have copies available.

15 JUDGE DIPPELL: Okay. Be sure and give those to
16 her, please. Would there be any objections to Exhibits 300 and
17 301? Seeing none, I will admit those.

18 (WHEREIN; DE Exhibits 300 and 301 were received
19 into evidence.)

20 JUDGE DIPPELL: MECG?

21 MR. COFFMAN: Your Honor --

22 JUDGE DIPPELL: I'm sorry.

23 MR. COFFMAN: -- Mr. Woodsmall had to leave the
24 hearing.

25 JUDGE DIPPELL: Yes.

1 MR. COFFMAN: But he did leave his one piece of
2 testimony which looks like it is Exhibit Number 350, the direct
3 testimony of Steve Chriss.

4 (WHEREIN; MECG Exhibit 350 was offered into
5 evidence.)

6 JUDGE DIPPELL: Yes. Thank you, Mr. Coffman,
7 for --

8 MR. COFFMAN: I am delivering this. And in no
9 way am I endorsing for Mr. Woodsmall.

10 JUDGE DIPPELL: I appreciate that. I did excuse
11 Mr. Woodsmall earlier. Would there be any objection to -- I
12 realize he's vulnerable here. Would there be any objection to
13 Exhibit 350 coming into the record at this time?

14 MR. LOWERY: We really want to.

15 JUDGE DIPPELL: I appreciate your restraint. I
16 will receive Exhibit 350 into the record.

17 (WHEREIN; DE Exhibits 300 and 301 were received
18 into evidence.)

19 JUDGE DIPPELL: Renew Missouri, did you want to
20 offer your exhibit?

21 MR. OPITZ: Sure, Judge. Renew Missouri would
22 offer the rebuttal testimony of Emily Piontek, that's
23 P-I-O-N-T-E-K.

24 (WHEREIN; Renew Missouri Exhibit 400 was offered
25 into evidence.)

1 JUDGE DIPPELL: And that was Exhibit Number 400.
2 Would there be any objection to Exhibit 400? Seeing none, then
3 I will admit that.

4 (WHEREIN; Renew Missouri Exhibit 400 was
5 received into evidence.)

6 JUDGE DIPPELL: MIEC?

7 MR. MILLS: Thank you, Your Honor. MIEC would
8 offer Exhibit 450, which is the direct testimony of Brian
9 Andrews; Exhibit 451, which is the direct testimony of Greg
10 Meyer; Exhibit 452, which is direct testimony Christopher
11 Walters; Exhibit 453, which is the direct testimony of Maurice
12 Brubaker; Exhibit 454, which is the rebuttal testimony of
13 Maurice Brubaker; and Exhibit 455, which is the rebuttal
14 testimony of Christopher Walters.

15 (WHEREIN; MIEC Exhibits 450, 451, 452, 453, 454,
16 and 455 were offered into evidence.)

17 JUDGE DIPPELL: And would there be any
18 objections to Exhibits 450 through 455 coming into the record?
19 Seeing none, then I will receive those exhibits.

20 (WHEREIN; MIEC Exhibits 450, 451, 452, 453, 454,
21 and 455 were received into evidence.)

22 JUDGE DIPPELL: Sierra Club, do you have -- I
23 realize you're not physically here to give me your exhibits, but
24 did you want to offer your exhibits at this time?

25 MR. MENDOZA: If the offer is effective without

1 having a physical copy to present, we would like to, yes.

2 JUDGE DIPPELL: Go ahead since -- I will --

3 MR. MENDOZA: And they are Exhibits 550, the
4 revenue requirement direct testimony of Avi Allison with the
5 exhibits therewith; Exhibit 551, the revenue requirement
6 surrebuttal testimony of Avi Allison with the exhibits
7 accompanying it. And I see I omitted what should be Exhibit
8 552, the rate design direct testimony of Avi Allison with the
9 accompanying exhibits.

10 (WHEREIN; Sierra Club Exhibits 550, 551, and 552
11 were offered into evidence.)

12 JUDGE DIPPELL: Okay. And would there be any
13 objection to Exhibits to 550 through 552? Seeing none, I will
14 receive those.

15 (WHEREIN; Sierra Club Exhibits 550, 551, and 552
16 were offered into evidence.)

17 JUDGE DIPPELL: And I would just ask Sierra Club
18 if you would --

19 MR. MENDOZA: File an amended exhibit list?

20 JUDGE DIPPELL: Well, the exhibit list wasn't
21 filed but --

22 MR. MENDOZA: True.

23 JUDGE DIPPELL: I was just trying to get a
24 physical copy to the court reporter. I think we can get that
25 from you. Are you-all going to be here next week?

1 MS. TATRO: I have a suggestion, Your Honor.

2 JUDGE DIPPELL: Yes?

3 MS. TATRO: Ameren Missouri will print those out
4 and bring them over for you.

5 JUDGE DIPPELL: All right. Never mind. Ameren
6 is going to print those out and bring those to us so we can mark
7 those copies. Thank you.

8 MR. MENDOZA: Thank you. I appreciate that.

9 MR. SMITH: As do I. This is Josh Smith.

10 JUDGE DIPPELL: And Consumers Council?

11 MR. COFFMAN: Yes, Your Honor. Consumers
12 Council would offer Exhibit 600, which is the direct testimony
13 of Jacqueline A. Hutchinson.

14 (WHEREIN; CCM Exhibit 600 was offered into
15 evidence.)

16 JUDGE DIPPELL: Would there be any objection to
17 Exhibit 600? Seeing none, I will receive that into evidence.

18 (WHEREIN; CCM Exhibit 600 was received into
19 evidence.)

20 JUDGE DIPPELL: Were there -- did I miss
21 anybody? Is there any other exhibits that need to come in
22 today? Okay. I see none.

23 Ms. Tatro, do you have a question?

24 MS. TATRO: I apologize. I have a question.
25 What's the timing? Is that something I can bring to the hearing

1 next week or do we need to get that printed and back to you
2 today?

3 JUDGE DIPPELL: If you could bring it today that
4 would be best and that way I can keep it with this transcript.

5 MS. TATRO: All right. Will do.

6 JUDGE DIPPELL: Thank you. Okay. I'm getting
7 just a couple of questions, so if you'll hang on just a second
8 and let me see if we've got everything wrapped up.

9 MS. TATRO: And I do have one more question when
10 you are done.

11 JUDGE DIPPELL: Okay. Ms. Tatro, you said you
12 had another question?

13 MS. TATRO: Just a couple things. First of all,
14 yesterday as we were printing out the copies for the court
15 reporter we realized that the affidavit had been left off of the
16 testimony of Laura Moore and we late filed that affidavit with
17 the request for the Commission to accept it. So I bring that to
18 your attention and ask for an order if that is possible.

19 Then the second thing is to make sure you are
20 aware that our witness, Mr. Reed for next week must testify on
21 Wednesday.

22 JUDGE DIPPELL: Okay.

23 MS. TATRO: I know that issue is the second
24 issue, but I would hope we would have time on Wednesday. We
25 don't have as many witnesses on the FAC.

1 JUDGE DIPPELL: And I wanted to make sure that I
2 was clear that your witnesses for Thursday be available at least
3 in the afternoon on Wednesday in hopes that -- especially since
4 we're going to do the mini openings, not the other, we're doing
5 all the exhibits now. We shouldn't have a lot of extraneous
6 stuff that we have to do.

7 And yes, I'm glad you brought the affidavit
8 motion to my attention. I had it here. I forgot to mention it
9 earlier. I will grant your motion to accept the late filed
10 affidavit of Laura Moore. That is now attached to the exhibit
11 that you gave the court reporter?

12 MS. TATRO: Yes.

13 JUDGE DIPPELL. Good. All right. So here's the
14 pressing question. What happens if the Commission does not
15 approve the stipulation and agreement? What would hearings look
16 like then?

17 MR. KEEVIL: That was actually a concern of mine
18 a little less than a month ago before we got down to
19 negotiations on this thing. Because I don't think you can do it
20 -- if recent past history is an indication, I don't think you
21 could do it in two weeks. I mean, there were so many issues.
22 You don't -- I don't even know how many issues are subsumed
23 within the black box, 32 million reduction. I mean, there's --
24 we had -- when we printed out our preliminary list of issues it
25 was -- and some of these probably weren't issues. I'll say

1 that, but at least issues that might develop into issues.

2 Singlespaced, we had, I think, four pages' worth
3 of one line issues. So that'll give you some idea of how many,
4 you're looking at, I don't know, hundred issues.

5 JUDGE DIPPELL: So I heard some issues raised by
6 some of the commissioners. I don't know how significant. I
7 don't know, you know, if those issues are enough for them to
8 vote against the stipulation or so forth. But it is always a
9 consideration. Right? Since it is not over until it is over.

10 MR. MILLS: Judge, if I may. I think it makes a
11 difference as to what the Commission has issued with. If the
12 Commission simply says we reject the stipulation and agreement,
13 then we're sort of all up in the air about what we can do and do
14 we try all of these issues. If the Commission has issues with
15 particular items and identifies those, then you know, the
16 typical practice is the parties rush back together to discuss
17 how we can address the Commission's issues and try to submit a
18 revised stipulation and agreement. If that is the case here,
19 you know, depending on the number of issues, it may be something
20 that we can resolve quickly and address them in another
21 agreement or tee up just a few issues for hearing and address
22 those relatively expeditiously as well.

23 JUDGE DIPPELL: So it is possible, say, that if
24 the Commission had particular issues with the stipulation and
25 agreement, even though the stipulation and agreement says take

1 it as is or nothing, but it is possible that the parties would
2 still be willing to work on some of -- some issues if they were
3 critical to the entire resolution of this? I know it is black
4 box.

5 MS. TATRO: If the Commission raises an issue
6 and a concern, my client certainly is going to take that into
7 account and see if there is a way to address the issue that
8 still works for everyone.

9 JUDGE DIPPELL: Okay. I just wanted to get that
10 there. Like I say, I am not counting any chickens until they're
11 hatched. Right?

12 MR. KEEVIL: Don't kill them early either.

13 JUDGE DIPPELL: We won't kill them early either.
14 All right. Is there anything else that we need to discuss on
15 the record? Any other questions about the proceeding next week?

16 MR. HALL: Well, Judge, as an evidentiary
17 matter, do you have reservations -- I'm unclear. Do you have
18 reservations about accepting this testimony before a stipulation
19 is accepted by the Commission at this time or are we treating
20 the testimony that was offered by all parties as accepted
21 pending approval by the Commission of the stipulation?

22 JUDGE DIPPELL: I think we will go ahead and
23 treat it as accepted. If the stipulation should somehow not get
24 approved, then I will -- I will allow a change at a hearing.
25 We'll address those pieces of testimony again, if need be. But

1 for now, let's go ahead and have them as entered. It's taken
2 care of. If an issue gets rejected, then I will also at that
3 time reject the testimony on that issue.

4 MR. HALL: Thank you.

5 MR. LOWERY: Your Honor, if I may just on this
6 issue. I agree with what Mr. Mills said and what Ms. Tatro
7 said. I also -- and I don't think you have this impression. I
8 wouldn't want to leave the impression that not approving the
9 stipulation would necessarily -- it will be an easy path to
10 figure out what to do in that or that the parties automatically
11 will agree on what to do. I think it would be a difficult
12 situation to be in. It's one where that risk always exists when
13 you have a stipulation like this. There's -- this is no
14 different than any case. But it wouldn't be easy and I don't
15 want the impression to be left that it would or that it would
16 necessarily work out in a way that you or the Commission would
17 necessarily feel good about or the parties as well. It would be
18 a tough thing to deal with. Obviously, we would do our best.

19 JUDGE DIPPELL: Thank you.

20 MR. KEEVIL: Judge, if I could, too. Remember
21 that we are dealing with a rate decrease here. I think that is
22 important to keep in mind. And Ameren has agreed to get the
23 rates into effect fairly soon and -- just tossing that out there
24 for what it's worth.

25 JUDGE DIPPELL: I appreciate that. And the

1 Commission is certainly aware of that as well. I'm not trying
2 to make it sound like -- I'm not trying to make it sound like in
3 anyway I have any idea what the Commission will decide. I am
4 not trying to speak for the Commission before they have made a
5 decision. I am just trying to keep all of the options on the
6 table until this is approved so that we are able to timely make
7 a decision and we have all of the information that we need to do
8 so.

9 Mr. Mills?

10 MR. MILLS: If you were done with that, I wanted
11 to move on to something else. I would like to request to be
12 excused from the hearing next week on the record.

13 JUDGE DIPPELL: All right. You may be excused.
14 I always have my caveat that anyone who is not present,
15 obviously, waives any right to make any objection or add
16 additional evidence.

17 MR. MILLS: Understood. Thank you.

18 JUDGE DIPPELL: And were there others that
19 wanted to ask to be excused as well?

20 MR. WESTEN: Yes, Judge. The Division of
21 Energy would respectfully request to be excused from next week,
22 again, with your caveat that we waive any objections.

23 JUDGE DIPPELL: That is fine. Any others?

24 MR. SMITH: Your Honor, this is Joshua Smith
25 with Sierra Club. If I may request can we submit something in

1 writing to that affect. I need to discuss with my cocounsel
2 before we waive.

3 JUDGE DIPPELL: Certainly. That is fine.

4 MR. SMITH: Thank you.

5 MR. ROBERTSON: On behalf of NRDC, I would asked
6 to be excused as well.

7 JUDGE DIPPELL: And NRDC may be excused as well.

8 MR. ROBERTSON: Thank you.

9 JUDGE DIPPELL: Anything else? All right. I do
10 appreciate all of the hard work that you have put together --
11 put in on putting together this stipulation and the settlement
12 of the issues thus far. It has lightened my load substantially.
13 Thank you. And I'll look forward to hearing the last of the
14 case next week. We can go ahead and go off the record.

15 (OFF THE RECORD.)
16
17
18
19
20
21
22
23
24
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

CERTIFICATE OF REPORTER

I, Lisa M. Banks, CCR 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 No. 1081

	EXHIBIT INDEX	
	OFFERED	REC'D
1		
2		
3	AMEREN MISSOURI:	
4	Exhibit 1	262
5	Direct testimony of Warren Wood	262
6	Exhibit 9	262
7	Rebuttal testimony of Matt Michels	262
8	Exhibit 10	262
9	Surrebuttal testimony of Matt Michels	262
10	Exhibit 17	262
11	Rebuttal testimony of Todd Schatzki	262
12	Exhibit 18	262
13	Rebuttal testimony of John Williams	262
14	Exhibit 19	262
15	Direct of Marci Althoff	262
16	Exhibit 20	262
17	Rebuttal testimony of Marci Althoff	262
18	Exhibit 21C	262
19	Confidential direct testimony of S. Hande Berk	262
20	Exhibit 21P	262
21	Public direct testimony of S. Hande Berk	262
22	Exhibit 22C	262
23	Confidential direct testimony of Mark C. Birk	262
24	Exhibit 22P	262
25	Public direct testimony of Mark C. Birk	262
26	Exhibit 23	262
27	Direct testimony of Ahmad Faruqui	262
28	Exhibit 24	262
29	Rebuttal testimony of Ahmad Faruqui	262
30	Exhibit 25	262
31	Direct testimony of Michael W. Harding	262
32	Exhibit 26	262
33	Rebuttal testimony of Michael W. Harding	262

	EXHIBIT INDEX		
	OFFERED	REC'D	
1			
2			
3	EXHIBIT 27C	262	262
4	Confidential direct testimony of Kelly S. Hasenfrantz		
5	Exhibit 27P	262	262
6	Public direct testimony of Kelly S. Hasenfrantz		
7	Exhibit 28	262	262
8	Direct testimony of Robert B. Hevert		
9	Exhibit 29	262	262
10	Rebuttal testimony of Robert B. Hevert		
11	Exhibit 30	262	262
12	Direct testimony of Thomas Hickman		
13	Exhibit 31	262	262
14	Rebuttal testimony of Thomas Hickman		
15	Exhibit 32C	262	262
16	Confidential rebuttal testimony of Jeffrey S. Jones		
17	Exhibit 32P	262	262
18	Public rebuttal testimony of Jeffrey S. Jones		
19	Exhibit 33	262	262
20	Rebuttal testimony of Mitchell Lansford		
21	Exhibit 34	262	262
22	Rebuttal testimony of David Loesch		
23	Exhibit 35	262	262
24	Rebuttal testimony of Trina Muniz		
25	Exhibit 36	262	262
	Direct testimony of Ryan P. Ryterski		
	Exhibit 37	262	262
	Rebuttal testimony of Ryan P. Ryterski		
	Exhibit 38	262	262
	Direct testimony of Darryl T. Sagel		
	Exhibit 39C	262	262
	Confidential rebuttal testimony of Darryl T. Sagel		

	EXHIBIT INDEX	
	OFFERED	REC'D
1		
2		
3	EXHIBIT 39P Public rebuttal testimony of Darryl T. Sagel	262 262
4	Exhibit 40 Rebuttal testimony of Bradley M. Seltzer	262 262
5	Exhibit 41 Direct testimony of John J. Spanos	262 262
6	Exhibit 42 Rebuttal testimony of John J. Spanos	262 262
7	Exhibit 43 Direct testimony of Brenda L. Weber	262 262
8	Exhibit 44 Rebuttal testimony of Brenda L. Weber	262 262
9	Exhibit 45 Rebuttal testimony of Scott Wibbenmeyer	262 262
10	Exhibit 46 Direct testimony of Steven M. Wills	262 262
11	Exhibit 47 Rebuttal testimony of Steven M. Wills	262 262
12	STAFF:	
13	Exhibit 100 Staff request to substitute testimony, revised Direct testimony of Lisa M. Ferguson	265 265
14	Exhibit 101C Confidential Staff report, cost of service	265 265
15	Exhibit 101P Public Staff report, cost of service	265 265
16	Exhibit 102C Confidential Staff report, cost of service Appendices 1, 2, and 3	265 265
17	Exhibit 102P Public Staff report, cost of service, Appendices 1, 2, and 3	265 265
18		
19		
20		
21		
22		
23		
24		
25		

	EXHIBIT INDEX	OFFERED	REC'D
1			
2	Exhibit 103C	265	265
3	Confidential Staff report, cost of service, Appendix 4, Parts 1 and 2		
4	Exhibit 103P	265	265
5	Public Staff report, cost of service, Appendix 4, Parts 1 and 2		
6	Exhibit 104	265	265
7	Staff direct accounting schedules		
8	Exhibit 105	265	265
9	Direct testimony of J. Luebbert		
10	Exhibit 106C	265	265
11	Confidential Staff report, class cost of service, with Appendices 1 and 2		
12	Exhibit 106P	265	265
13	Public Staff report, class cost of service, with Appendices 1 and 2		
14	Exhibit 107	265	265
15	Staff motion for leave to file supplemental direct Testimony of Sarah L. K. Lange		
16	Exhibit 108	265	265
17	Rebuttal testimony of Paul K. Amenthor		
18	Exhibit 109	265	265
19	Rebuttal testimony of Kory J. Boustead		
20	Exhibit 110C	265	265
21	Confidential rebuttal testimony of Contessa King		
22	Exhibit 110P	265	265
23	Public rebuttal testimony of Contessa King		
24	Exhibit 111	265	265
25	Rebuttal testimony of Robin Kliethermes		
26	Exhibit 112	265	265
27	Rebuttal testimony of Lisa M. Ferguson		
28	Exhibit 113	265	265
29	Rebuttal testimony of Robin Kliethermes		

	EXHIBIT INDEX		
	OFFERED	REC'D	
1			
2			
3	Exhibit 114	265	265
	Rebuttal testimony of Shawn E. Lange		
4			
5	Exhibit 115	265	265
	Rebuttal testimony of J. Luebbert		
6			
7	Exhibit 116	265	265
	Rebuttal testimony of Dana E. Eaves		
8			
9	Exhibit 117C	265	265
	Confidential rebuttal testimony of Jason Kunst		
10			
11	Exhibit 117P	265	265
	Public rebuttal testimony of Jason Kunst		
12			
13	Exhibit 118	265	265
	Rebuttal testimony of Karen Lyons		
14			
15	Exhibit 119C	265	265
	Confidential rebuttal testimony of Antonija Nieto		
16			
17	Exhibit 119P	265	265
	Public rebuttal testimony of Antonija Nieto		
18			
19	Exhibit 121	265	265
	Rebuttal testimony of Sarah L. K. Lange		
20			
21	Exhibit 122	265	265
	Rebuttal testimony of Michael L. Stahlman		
22			
23	Exhibit 124C	265	265
	Confidential rebuttal testimony of Jeffrey Smith		
24			
25	Exhibit 124P	265	265
	Public rebuttal testimony of Jeffrey Smith		
26			
27	Exhibit 125C	265	265
	Confidential rebuttal testimony of John P. Cassidy		
28			
29	Exhibit 125P	265	265
	Public rebuttal testimony of John P. Cassidy		
30			
31	Exhibit 126	265	265
	Rebuttal testimony of Matthew Young		

	EXHIBIT INDEX	
	OFFERED	REC'D
1		
2		
3	Exhibit 128	265
4	Supplemental surrebuttal testimony of Daniel I. Beck	265
5	Exhibit 129	265
6	Supplemental surrebuttal testimony of Sarah L. K. Lange	265
7	OFFICE OF THE PUBLIC COUNSEL:	
8	Exhibit 203	266
9	Direct testimony of Geoff Marke	266
10	Exhibit 204	266
11	Rebuttal testimony of Geoff Marke	266
12	Exhibit 205	266
13	Surrebuttal testimony of Geoff Marke	266
14	Exhibit 209	266
15	Direct testimony of John A. Robinett	266
16	Exhibit 210	266
17	Direct testimony of John S. Riley	266
18	Exhibit 211C	266
19	Confidential direct testimony of Amanda C. Conner	266
20	Exhibit 211P	266
21	Public direct testimony of Amanda C. Conner	266
22	Exhibit 212	266
23	Rebuttal testimony of Amanda C. Conner	266
24	Exhibit 213C	266
25	Confidential direct testimony of David Murray	266
	Exhibit 213P	266
	Public direct testimony of David Murray	266
	DIVISION OF ENERGY:	
	Exhibit 300	267
	Direct testimony of Marcy Oerly	267

	EXHIBIT INDEX	OFFERED	REC'D
1			
2	Exhibit 301	267	267
3	Direct testimony of Martin Hyman		
4	MISSOURI ENERGY CONSUMERS GROUP:		
5	Exhibit 350	268	268
6	Direct testimony of Steve Chriss		
7	RENEW MISSOURI:		
8	Exhibit 400	268	269
9	Rebuttal testimony of Emily Piontek		
10	MISSOURI INDUSTRIAL ENERGY CONSUMERS:		
11	Exhibit 450	269	269
12	Direct testimony of Brian Andrews		
13	Exhibit 451	269	269
14	Direct testimony of Greg Meyer		
15	Exhibit 452	269	269
16	Direct testimony of Christopher Walters		
17	Exhibit 453	269	269
18	Direct testimony of Maurice Brubaker		
19	Exhibit 454	269	269
20	Rebuttal testimony of Maurice Brubaker		
21	Exhibit 455	269	269
22	Rebuttal testimony of Christopher Walters		
23	SIERRA CLUB:		
24	Exhibit 550	270	270
25	Revenue requirement direct testimony of Avi Allison		
	Exhibit 551	270	270
	Revenue requirement surrebuttal testimony of Avi Allison		
	Exhibit 552	270	270
	Rate design direct testimony of Avi Allison		
	CONSUMERS COUNCIL OF MISSOURI:		

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

EXHIBIT INDEX

OFFERED

REC'D

Exhibit 600	271	271
Direct testimony of Jacqueline A. Hutchinson		

\$	101 263:19,20	114 264:10 265:4,13 284:3	129 264:24 265:5,9,14 285:5
\$.02 227:2	101C 263:20 265:2,11 282:19	115 264:10 265:4,13 284:4	12:50 247:25
\$.03 227:2	101P 265:2,11 282:21	116 264:11 265:4,13 284:6	1300 182:9
\$.05 226:5	102 263:20	117 264:12	16 213:5,14
\$.07 226:3	102C 265:3,12 282:22	117C 265:4,13 284:7	16-hour 213:11
\$.08 226:5	102P 265:2,11 282:24	117P 265:4,13 284:9	17 262:18,25 280:8
\$.28 214:15 226:5	103 263:22	118 264:13 265:4,13 284:10	18 261:14 262:18,25 280:10
\$.30 226:2	103C 265:3,12 283:2	119 264:14 265:8	19 261:15 262:18,25 280:11
\$1.50 190:17 196:10	103P 265:3,12 283:4	119C 265:4,13 284:12	1901 180:15
\$16 228:4	104 263:24 265:3,12 283:6	119P 265:4,13 284:13	1st 187:14 190:11 193:4,9 194:13,16 198:23 256:7,23 258:12 259:2,3
\$32 187:14	105 263:25 265:3,12 283:8	12 203:24 204:6,24 233:9,25 237:12,14 243:19 244:4	2
\$397,234,767 200:6	106 264:1	12-hour 208:11 211:22 220:19 222:4 228:1	2 263:21,23 264:3 282:23 283:3,5,10,12
\$8 227:23 228:2,3 240:10,13	106C 265:3,12 283:9	12-month 237:11 244:2 254:21	20 207:19 208:4 209:18 219:21 220:16 244:23 261:15 262:19 263:1 280:13
\$8.1 201:20	106P 265:3,12 283:11	120 264:15	200 180:22
\$9 188:9	107 264:3 265:3,12 283:13	121 264:17 265:5,9,14 284:15	2014 226:15 240:8
0	108 264:4 265:3,12 283:15	122 264:18 265:5,9,14 284:16	2019 187:19
001 261:9	1081 279:17	123 264:19	2020 198:23
009 261:10	109 264:5 265:3,12 283:17	124 264:19 265:9	2021 189:12 190:11 236:22
010 261:13	10:00 190:21,22 191:13 213:6 226:23 227:12,13	124C 265:5,14 284:18	2025 191:23 235:12, 13
017 261:13	11 234:13,16	124P 265:5,14 284:19	203 265:23 266:12,17, 25 285:8
0611 214:10	110 200:20 264:6	125 264:21	204 265:23 266:12,17, 25 285:9
1	1101 181:7	125C 265:5,14 284:21	205 265:24 266:12,17, 25 285:11
1 189:12 211:6,8,20 255:15 262:18,25 263:21,23 264:2 280:4 282:23,25 283:3,5,10, 12	110C 265:4,13 283:18	125P 265:5,14 284:22	209 265:25 266:2,12, 17,25 285:12
10 258:17 262:18,25 280:7	110P 265:3,12 283:20	126 264:22 265:5,9,14 284:24	
100 263:10 265:2,8,11 282:17	111 264:7 265:4,13 283:21	127 264:23	
1000 221:9,14	112 264:8 265:4,13 283:23	128 264:23 265:5,9,14 285:3	
	113 264:9 265:4,13 283:24		

210 266:1,12,19,25 285:14	265 282:17,19,21,22, 24 283:2,4,6,8,9,11, 13,15,17,18,20,21,23, 24 284:3,4,6,7,9,10, 12,13,15,16,18,19,21, 22,24 285:3,5	301 267:8,10,17,18 268:17 286:2	41(A) 237:10
2101 182:9	266 285:8,9,11,12,14, 15,17,18,20,21	31 262:1,20 263:2 281:10	41(B) 237:20
211 181:15 266:5,18, 20	267 285:24 286:2	319 182:5	42 262:11,20 263:2 282:7
211C 266:13 267:1 285:15	268 286:5,7	32 251:16 273:23	43 262:11,20 263:2 282:9
211P 266:13 267:1 285:17	269 286:7,10,11,13, 14,16,17	32C 262:1,20 263:2 281:12	44 262:12,21 263:3 282:10
212 266:7,13,18 267:1 285:18	27 188:7 192:17	32P 262:20 263:2 281:13	45 262:13,21 263:3 282:12
213 266:8,18	27(D)1 235:11	33 262:3,20 263:2 281:15	450 269:8,15,18,20 286:10
213C 266:13 267:1 285:20	270 286:20,21,23	34 262:3,20 263:2 281:16	451 269:9,15,20 286:11
213P 266:13 267:1 285:21	271 287:2	35 262:4,20 263:2 281:18	452 269:10,15,20 286:13
214 266:9,18	27C 261:22 262:19 263:1 281:3	350 268:2,4,13,16 286:5	453 269:11,15,20 286:14
214C 266:13 267:1	27P 262:19 263:1 281:4	36 262:6,20 263:2 281:19	454 269:12,15,20 286:16
214P 266:13 267:1	28 235:22 261:23 262:19 263:1 281:6	3600 181:15	455 269:13,16,18,21 286:17
21C 261:16 262:19 263:1 280:14	28th 186:20	37 262:6,20 263:2 281:21	46 238:11 262:14,21 263:3 282:13
21P 261:16 262:19 263:1 280:16	29 219:20 220:16 261:24 262:19 263:1 281:7	38 262:7,20 263:2 281:22	47 262:14,21 263:3 282:15
22C 261:18 262:19 263:1 280:17	29th 191:23	39C 262:8,20 263:2 281:24	48 249:10
22P 261:18 262:19 263:1 280:19	2:00 191:9 212:17 214:16 215:1,2 225:24,25 241:7,18	39P 262:20 263:2 282:3	<hr/> 5 <hr/>
23 261:19 262:19 263:1 280:20	2:1 214:8 223:11	3:00 214:22,25	<hr/> 500 191:24 <hr/>
24 261:19 262:19 263:1 280:22	2nd 186:21	<hr/> 4 <hr/>	54 203:2
25 261:20 262:19 263:1 280:23	<hr/> 3 <hr/>	4 263:23 283:3,5	550 270:3,10,13,15 286:20
26 188:7 261:21 262:19 263:1 280:25	3 263:21 282:23	4.46 241:5	551 270:5,10,15 286:21
262 280:4,5,7,8,10,11, 13,14,16,17,19,20,22, 23,25 281:3,4,6,7,9, 10,12,13,15,16,18,19, 21,22,24 282:3,4,6,7, 9,10,12,13,15	30 192:7 227:10 228:14 230:12 241:8 261:25 262:19 263:1 281:9	40 262:9,20 263:2 282:4	552 270:8,10,13,15 286:23
	300 267:6,10,16,18 268:17 285:24	400 268:24 269:1,2,4 286:7	57 219:18 220:15
		41 262:10,20 263:2 282:6	

6	A	actions 212:21 217:2	agencies 238:16,17 239:4,6
600 221:8,9 271:12, 14,17,18 287:2	a.m. 190:21,22 191:10,13 203:21,22 213:6 214:23	active 197:14	agenda 257:2 258:13
63102 181:16 182:6	abbreviations 253:3	actively 191:5	agree 202:3 224:18, 20 248:15 249:11 260:16 276:6,11
63103 180:16	abide 258:21	actual 193:19 195:13 196:7 249:17	agreed 187:13 190:9 191:20,23 192:18 202:9 237:16 256:16 276:22
65101 180:24	ability 206:4 213:8 234:2 252:2 254:16 279:7	add 261:12 277:15	agreed-upon 200:8
65102 181:8	absence 215:18 216:13	added 195:2 241:9	agreeing 257:13
6:00 190:21,22 191:9, 10,13 213:6 214:23	absolutely 186:14 196:18 209:19 233:16	additional 187:22 196:12 235:11 277:16	agreement 180:10 182:23 184:2 186:1,20 187:7,9,17,21 199:1 203:19 215:12 237:18 249:9 253:12,14 254:7,9 255:13 256:9 257:2,10,11 258:23 273:15 274:12,18,21, 25
6th 187:20	accept 272:17 273:9	address 181:7 216:21 274:17,20,21 275:7,25	agreements 230:1 239:10
7	accepted 275:19,20, 23	adheres 215:5	agrees 187:19
7 214:10	accepting 275:18	adjust 191:6	ahead 183:19 196:20 238:21 247:23,25 248:9 249:8 252:20 259:7,19 261:4,12 266:4 270:2 275:22 276:1 278:14
7:00 191:9 212:17 214:16,22,25 215:1,2 225:25 241:7,18	access 187:2 192:15 232:11 252:13	adjustment 187:21 193:4	Ahmad 184:3 193:11 261:19,20 280:21,22
8	accessing 242:18	adjustments 187:16	air 250:5,12 274:13
8.1 201:21 202:4	accompanied 270:7,9	administered 238:13	air-conditioning 212:12
80 241:7 245:1	accomplish 205:11 207:8	admit 262:24 265:10 266:24 267:17 269:3	albeit 255:24
800 182:5	account 275:7	admittedly 222:20	all-in-one 213:25
8760 235:1	accounting 263:25 283:7	adopted 249:12	Alliance 250:14,16 253:1
8:00 191:10 214:23	accurate 188:13 201:11 256:6	adoption 207:14 216:10,11,22 217:4	Allison 270:4,6,8 286:20,22,23
9	accurately 188:2	ads 231:20	allocation 185:16
9 262:18,25 280:5	achieve 189:2 203:6 204:25 245:5	advanced 230:2 243:14 245:24 246:11	allowed 237:18
9.4 187:15	acknowledge 205:1	advantage 242:4	
9.8 187:16	acronyms 249:14,17, 23	advertising 232:1	
918 180:18	act 220:5	advice 224:22	
94612 182:10	action 238:17,21 279:9,13	af-- 236:7	
95/5 256:23		affect 278:1	
9:00 203:21,22 226:23,24		affidavit 272:15,16 273:7,10	
		affiliate 193:1 256:14	
		afternoon 236:7 273:3	

alternative 189:20	analysis 187:25 200:7 236:20 237:25	approve 193:3 255:6 256:6 257:2,8 273:15	automatically 196:1, 3 232:21,23 276:10
Althoff 261:15 280:12,13	Andrews 269:9 286:10	approved 215:12 216:8 275:24 277:6	Avenue 180:15
Amanda 266:6,7,20 285:16,17,19	annually 238:25	approving 255:14 256:1 276:8	average 205:13 210:7,12,13,14 241:1, 2,11,12,19 242:1
ambivalent 223:18	answering 183:15	approximately 201:20	Avi 270:4,6,8 286:20, 22,23
amend 218:11	answers 183:3,7	April 187:14 192:19 193:4,9 194:13,16 199:2,12 210:24 255:15 256:7,23 258:12 259:2	avoiding 191:4
amended 186:21 270:19	anticipate 185:21 207:9,17	APS 220:22 221:1	aware 208:17 218:7,8 219:8 220:2 222:15,24 253:24 272:20 277:1
Amenthor 264:5 283:16	anticipated 242:7	area 197:14,19 219:20	awareness 220:6 222:18 224:5
Ameren 180:5,13,15, 19 183:19 186:12,22 189:16 191:20 192:1 193:14 196:18 198:21 200:15,16 201:25 209:9 218:20 219:11 221:2 222:15 224:3 225:5 230:16 236:6 238:17,20,25 244:24 247:21 248:14 253:23 257:15,18 261:6 262:18,25 271:3,5 276:22 280:3	anticipation 204:11	areas 198:3	<hr/> B <hr/>
Ameren's 193:2 257:18	Antonija 264:15 284:12,14	argument 222:24	back 183:8 195:6,13 213:10 225:5 229:4 233:14 234:2 238:22 239:23 240:8 243:5,9, 17,19,23,25 245:3 254:21 255:3,9,11 256:20 272:1 274:16
AMI 189:10,16 190:14 191:8 192:7,10,21 195:12,17,20 197:1,5, 11,15,16,18,23 198:8 199:17,19 231:6 236:24 241:23 242:12 243:8	anytime 243:21	arguments 215:18	bad 218:25 219:2
AMIS 195:11 235:24	apologize 182:20 183:13 195:9 234:18 240:6 248:2,5,13 271:24	Arizona 219:17,19 220:15,22	balance 226:8
amortize 245:21	appearance 180:13 182:18	arrange 198:18	Banks 279:3,17
amount 194:23 200:6,7 207:10 234:22 241:1 257:24	appearing 180:19,22 181:2,17	arrow 188:24	bar 236:4
amounts 204:14 205:2	appears 279:5	assigned 265:21	barrier 240:11,13
AMR 190:16 196:22 197:17,25 225:11 226:12	Appendices 282:23, 25 283:10,12	Assistance 238:12	barriers 216:21
AMS 256:14	Appendix 263:21,23 264:2,3 283:3,5	associations 249:13	base 187:16 194:23, 25 195:3 200:16 201:16,19 205:16
	appliance 191:18	assume 194:25 256:1	based 191:22 192:14 203:11
	appliances 212:19 213:19 219:7 221:18	Assuming 203:13	basically 184:13 227:19 228:5 242:17 265:8
	application 214:3,4	assurances 238:20	basis 190:15 191:22 238:18
	applied 190:5 198:7 245:19	attached 193:19 273:10	Beck 264:24 285:4
	applies 191:12	attention 188:18 272:18 273:8	before-you 218:20
	apply 202:10	attorney 248:12 279:11	
	approach 205:9 207:5 221:21,22 230:6	attract 219:18 228:15	
	approaching 211:6	attractive 218:8	
	approval 275:21	auditing 184:9	
		August 191:22	

began 183:19	blandest 229:3	built 217:16	caveat 277:14,22
begin 180:12 186:13 223:7 261:6	block 215:13,14,21 216:2,8,17,18 217:18	businesses 187:5	CCM 271:14,18
beginning 236:23 240:7	body 209:6	Byrne 253:2	CCR 279:3,17
behalf 180:19,22 181:2,11,17,23 182:20 278:5	bother 222:22	<hr/> C <hr/>	cent 204:21 205:14,22 207:25 208:2,10,16 211:5 214:15 220:19 222:4
belief 235:5	bottom 189:1 204:16	calculated 205:15 248:13	center 182:5 235:7
benefit 206:8 212:21 224:4 231:9 233:22 236:3 259:25	Boustead 264:6 283:17	Caleb 181:1	central 197:20
benefits 228:17 233:15	box 180:18,23 187:14 251:12 273:23 275:4	calendar 259:20	cents 226:3 227:14 241:6
Berk 280:15,16	Brad 184:12	California 182:10 217:11 221:24	certainty 188:25 189:4
Berk's 261:16	Bradley 262:10 282:5	call 188:18 218:12 232:14 233:5 241:10	CERTIFICATE 279:1
big 224:9 229:2 237:3	branded 197:21	called 210:4 219:6 222:16 223:9 250:21	certify 279:4
bigger 212:4,23 221:18	break 247:23,25 255:2,8,12	calling 223:8	chair 186:16 188:23
biggest 225:10,11	breakdown 241:24 249:14	calls 209:24 232:14	Chairman 193:14,15, 19,23 194:4,6,7,12,17, 20,22 195:1,3,8,11,24 196:6,9 197:9 198:1, 11,21,25 199:18 200:5,10,14,22 201:8, 13,16,21 202:3,8,12 239:20,21 240:1,15,20 241:22 242:6,14,25 244:2,5,12,25 245:8 248:23,25 249:4,7,9, 16,20,22 250:3,6,10, 13,15,17,19,23 251:1, 6,11,20 253:5,6,14,18 254:3
bill 189:17,22 192:6, 13 205:6,16 206:7,18 207:1 209:15,22,24 210:1,3,15,21 211:9 214:17 219:1 230:25 231:10,15 232:24,25 233:23,24 240:13,18 241:2,18 242:8	breaking 244:13	candidates 219:11	chance 248:19 258:3
billing 189:18 210:5, 6,9,13,18 236:20	Brenda 262:12,13 282:9,11	capacity 237:22 238:4	change 188:20 193:7 196:23,25 197:8,10 205:23 210:22 211:25 217:6 233:7,11,16 248:15,22 256:18,20, 24 275:24
billion 201:20,21 202:4	Brian 269:8 286:10	capital 202:9	changed 256:23
bills 188:12 189:15 195:21 205:8 219:9 231:16	bring 184:25 185:2,14 186:3 223:5 245:6 271:4,6,25 272:3,17	care 276:2	chapters 199:10
Birk 261:18 280:18,19	bringing 245:16,17	case 180:3,8 185:25 186:22 187:19 188:4 193:7,8 198:6,8 200:21 201:7 213:5 215:23,24 223:1 225:11 227:8 236:12, 19 237:2 240:18 246:13 255:19 256:18, 19,23,24 258:8,17 259:10 274:18 276:14 278:14	character 222:18
bit 184:14 197:7 204:10 212:23 215:14 216:21 229:22 233:2	broad 251:2	cases 208:24 209:7 243:23	characteristics 205:18 241:12
BJC 187:18	broaden 217:10	Cassidy 184:9 264:22 284:21,23	
black 187:14 251:12 273:23 275:3	Broadway 181:15	categories 221:16	
	brought 184:14 273:7	category 221:9	
	Brubaker 269:12,13 286:15,16	Cave 181:15	
	Bryan 181:15		
	bucket 221:16		
	buckets 246:5		
	budget 210:5,6,8,13, 18		
	build 197:1		
	building 228:21		

characterize 206:17	clarification 243:11 248:8 252:21	comments 228:25 254:10	common 217:7
charge 188:9 191:1, 15,16,21 213:8 216:22 224:13 228:3 231:7 240:4,11,19,22,23,24 241:3,5,8,9	clarify 253:6 260:5	commission 180:20, 22 182:24 184:22 185:17 193:3,5 198:7, 12,17 216:8 227:17 247:20 252:18 255:1, 2,6,14 256:1,5,15,18, 20 257:1,7,23 258:13 259:20,22 272:17 273:14 274:11,12,14, 24 275:5,19,21 276:16 277:1,3,4	communicate 189:16 206:3 225:16 230:23 231:7,24 232:5
charger 214:2	class 191:14 252:7 264:2 283:10,12	commission's 217:2 257:8 259:25 274:17	communicating 192:15 197:17
charges 221:11 235:12,13	clause 187:22	Commissioner 202:15,16,17,18,23,25 203:2,13,16,24 204:2, 18,23 205:13,19 206:9 207:9,21,25 208:2,9, 14,18 209:9 210:2,6, 12 211:2,12,19 213:2, 10 214:6,10,20 215:2, 10,17 216:7 217:1,22, 24,25 218:1,10,11,17 220:12 222:1 224:20 225:4,18 226:13,16,20 227:2,6,11 228:5,24 230:11,15,17 231:17, 19 232:8,19 233:6,11, 17,20 234:5,9,10,13, 17,21,24 235:10,15,22 236:7 237:5,8,10,20 238:11 239:5,12,17,24 243:12 244:6 245:10, 12,14 246:8,17,22,23 247:9,16,19 248:18 249:25 251:23,25 252:4,11 254:12,14,23 260:2	communication 192:3 195:13,18 197:24 199:19,25 206:20 231:3 232:1,16
charging 190:6,8,13 214:19 216:15	clear 237:11 257:20 265:20 273:2	communications 197:16,23	community 238:17, 21
Charles 197:19	clearer 188:13		company 180:4,5 187:19 190:3 218:4 227:7 229:25 232:15 234:14 251:8
chart 193:16	client 275:6		Company's 190:16 215:12 238:6
checked 258:6	close 226:2		compare 233:21,22 237:13
chickens 275:10	closer 207:24 214:8		compared 222:11 233:24
choice 188:11 243:5, 10	Club 182:4,7,9 190:10 269:22 270:10,15,17 277:25 286:19		comparison 192:13 234:1 243:2,7,21
choices 187:3 192:5 218:20 220:23 221:2 224:12,15	Club's 185:25		comparisons 243:8
choose 192:9	coal 200:25 201:1,5 235:1		compatible 190:15 246:7
chose 207:11	coal-fired 188:1		compensated 238:15
chosen 243:3	cocounsel 278:1		complain 220:11
Chou-- 180:15	Code 180:23		complaining 219:1
Chouteau 180:15	Coffman 181:21 182:17,19,20 185:1 267:21,23 268:1,6,8 271:11		complaints 207:3 209:24
Chriss 268:3 286:5	Coleman 230:15,17 231:17,19 232:8,19 233:6,11,17,20 234:5 254:13,14,23		completed 192:18 257:11
Chriss's 185:15	Coleman's 243:12		completely 200:1 245:3 253:3
Christopher 269:10, 14 286:13,18	collecting 237:21		complex 191:7
chunk 213:25	Columbia 180:18		compliance 247:8,10 256:4 257:4,15 258:9
circulate 254:4 257:21	columns 235:3		
circulated 253:23 255:23	com-- 204:7		
circulating 258:24	comfortable 207:7		
City 180:23 181:7 197:22 250:21	comment 221:23 252:12 254:9		
claim 257:25	commentary 224:22		
Claire 184:11			

comply 258:4	considered 232:3 252:5	correctly 214:21	criteria 204:17
concept 204:15 213:21 218:23 220:1 224:1 228:12	consistent 204:3	correspondingly 189:23	critical 275:3
conceptualized 213:7,16	consumed 246:3	cost 188:25 189:4 190:8,17 197:2,7,8 200:6,13,15 216:15,19 225:19 231:23 237:25 240:3 241:4 263:19, 22,24 264:2 282:20, 21,23,25 283:3,5,10, 12	curiosity 219:5
conceptualizing 214:5	Consumer 181:20	costs 193:2 200:21, 24,25 201:3,5 221:18 236:5 256:14,16,17	current 215:13 225:12 226:1
conceptually 219:24 224:18	Consumers 181:9,13 182:20 184:24 185:13, 19 271:10,11 286:4,9, 24	Council 182:2,4 184:24 271:10,12 286:24	customer 188:8 189:1,17,19 190:25 192:11,13,20 195:12 199:15 205:14 207:2 210:1,3,8,14 212:9 221:7,11,13 225:17 227:9 228:3 232:20 240:4,11,19,25 241:11,16,19 242:1 243:3 245:16
concern 206:23 209:15 211:4 229:19, 21 234:19 252:12 273:17 275:6	consumption 246:5	Councils 181:20 182:21	customer's 254:16
concerned 232:12 252:8	contact 181:3,18 196:4	counsel 180:25 181:2 184:17 185:23 192:25 239:16 242:20 249:19 251:13 265:16,22 266:11,23 279:8,11 285:7	customers 187:1,3,6, 11 188:10,11,14 189:5,10,11,12,15,23, 25 190:6,13,16,18,20, 23 191:8,16,24 192:2, 3,4,6,15,21 195:18 196:10 197:4 199:19 200:2 204:13 205:5,8, 9,24 206:18 207:1 209:16,18 211:1,3,14 213:18,23,25 215:20 216:17 219:19 220:3 221:1,16,17 222:7,15 224:19 225:8,13 226:12 227:25 228:8, 13,14,17,23 230:3,6,8 231:2,4,8,15,24 232:6, 17 233:5 236:2,9,15 242:21 243:13 244:21, 22 246:19 252:2,7,12
concerns 207:3 232:8	contained 192:21 249:11	counting 275:10	
conduct 187:25	contemplated 204:9 217:17	couple 197:4 218:3 227:14,22 228:25 239:21 254:1 258:5 272:7,13	D
confident 200:19,20 201:8 239:15	contemplates 193:3 255:14	court 181:18 201:23 250:7 261:9 263:13,16 267:13 270:24 272:14 273:11	daily 187:25 190:21, 22
confidential 234:15 261:17,18,23 262:2,9 263:20,23 264:1,6,12, 14,20,21 266:6,9,10 280:15,18 281:3,12,24 282:20,23 283:3,10,19 284:8,12,18,21 285:16,20	contemplating 214:4	courts 258:20	Dana 264:12 284:6
confirm 254:15 256:6	Contessa 264:7 283:19,20	covered 186:1	dang 229:10
Conner 266:6,7,20 285:16,17,19	continues 187:21	Cox 264:8	Daniel 264:24 285:3
cons 222:13 223:19	control 188:12 192:5 214:18 231:9	create 190:24 205:10 206:4,7,17 207:2 219:5 220:7 228:16,20 230:7 237:21	Darryl 262:8,9 281:23,24 282:3
conscious 219:8	convenience 224:9, 10	created 245:23	
consciousness 222:18	conversation 235:16	creating 221:17	
conservation 215:25 217:3	conversations 199:25 223:2,3 224:2 231:11	credits 245:18	
conservative 209:10,13,19	cooling 191:18		
conserve 215:20	coordination 191:19		
consideration 274:9	copies 267:12,14 271:7 272:14		
	copy 270:1,24		
	correct 201:12 203:15,23 204:25 215:14,15 250:1 255:17		
	corrections 186:21		

data 195:20,25 196:7 206:10 230:7 233:21 234:25 235:7 237:19, 20 243:1,8	decrease 180:6 186:23 194:13 259:3 276:21	depending 189:1 211:4 274:19	differentials 213:13
databases 238:8	deeper 206:21 211:10	depends 201:3 205:17	differentiated 223:7 224:8
date 192:10 225:17 255:4 258:14	default 189:9,10 190:25 195:17,22 196:4 203:18 204:12, 19,23 205:19 206:10, 11,14,18,23 207:10, 21,22 208:3,7,11,15, 19,25 209:5,11,12 211:13,23 212:24 218:3,5,12,15,22 219:24 220:6,10,15, 17,18,21,23 221:6 222:2,4,9,10,11,14 223:7,20 224:17 226:1 227:15,21 229:5,13 230:18 232:21 236:21, 23 243:14,17 244:1,9, 14 245:1 246:12,16 247:1,10 248:19,21	deposition 279:5,10	differentiation 207:6 215:16 218:24 220:22 222:21,23 223:10 226:6
dates 258:13 259:12	defaulted 207:1,3 228:13	descriptions 188:19	difficult 225:16 276:11
David 181:10 262:4 266:8,10 281:17 285:20,22	defaulting 209:1 211:14 232:23	design 184:2,3,20 185:16 186:24 187:5 188:6,8,11,22 211:22 212:2 217:21 218:3 219:4 224:10 228:22 240:17 270:8 286:23	difficulty 182:14 235:25
day 189:21 207:17 210:7 212:15 213:1 226:9 232:22 258:4	Defense 182:2,3 185:23	designated 225:8	diligently 192:16
day/night 189:9,19 190:25 195:22 208:7 244:1 246:16	definition 187:8	designation 234:15	Dippell 180:2,7,20,25 181:4,9,12,20,25 182:7,11,17,22 183:13,24 184:5,17,24 185:3,13,18,22 186:2, 6,10 193:13 196:16,20 201:23 202:2,6,14,17 217:23 230:14 234:8 239:20 245:9,12 246:22 247:20 248:2, 9,23 249:2,6,8 251:22 252:17,20 253:5 254:8,12,25 255:11 256:8,25 257:14 258:2,11,19 259:5,7, 14,17 260:4,10,14,24 261:3 262:22 263:4,15 265:7,16 266:2,4,15, 21 267:3,12,15,20,22, 25 268:6,10,15,19 269:1,6,17,22 270:2, 12,17,20,23 271:2,5, 10,16,20 272:3,6,11, 22 273:1,13 274:5,23 275:9,13,22 276:19,25 277:13,18,23 278:3,7, 9
days 191:13 192:7 194:8 257:6,9 258:5,9, 14,18,20,22	definitions 221:8	designed 190:14 212:4 215:8 228:6 240:25 241:10	direct 190:3 224:6 236:12 261:9,15,16, 17,18,19,20,22,23,25 262:6,7,10,12,14 263:10,25 264:3 265:23,25 266:1,3,6,8, 19 267:7,8 268:2 269:8,9,10,11 270:4,8 271:12 280:4,12,15, 16,18,19,21,24 281:3,
daytime 191:11 203:21 204:19 226:8	definitively 227:5	designs 188:13 207:20	
dba 180:5	delay 189:14	desire 189:3 233:12 234:3	
DE 192:19 267:8,10, 18 268:17	delaying 235:23	desires 189:1 206:5	
deadline 193:9	delays 198:13	details 183:9	
deal 188:7 276:18	delivered 201:5	determine 187:25	
dealing 256:9,14 276:21	delivering 268:8	develop 274:1	
debate 260:22	demand 191:15,21 224:13 235:11 240:22, 23 241:3	developed 213:21 236:19	
decide 277:3	demonstrate 215:24	developing 192:12 216:22	
decided 233:7,17	demonstration 188:19	devices 197:17,25	
decides 256:18	department 184:9 258:7	Diana 181:14	
decimal 254:1		Dietrich 184:12	
decision 193:6 195:25 277:5,7		difference 189:21 205:14 208:2 212:25 214:24 225:23 230:4 266:16 274:11	
decisions 188:3		differential 203:8 204:5,18,24 208:19 209:12 211:5,24 212:4,24 214:7 223:22 225:19 226:25 227:1, 13	
decline 200:23			
declining 215:13 217:18			

5,6,9,20,23 282:6,9, 14,18 283:7,8,14 285:8,13,14,16,17,20, 22,24 286:3,5,10,12, 13,15,20,23 287:3	document 253:15,16 254:4	Eaves 264:12 284:6	emergence 216:1
directed 220:7	documentation 234:14	economist 219:4	emerging 209:2
direction 187:10 279:8	DOE 238:13,18	educate 189:17 209:20	Emily 268:22 286:8
directionally 216:14	dollar 251:13	education 192:3 199:15 206:20 207:5 230:1 242:6	emissions 217:13,20
disagree 232:18	donations 249:10,11	educational 220:13 230:20	employed 279:9,11
disagreement 202:7	double 214:9,11,12	effect 194:13 226:14 241:6 256:10,11,22 276:23	employee 279:11
discourage 216:3	downfall 222:10	effective 187:14 192:4 193:4 194:16,18 212:11 231:24 255:4, 14 256:7 258:14 269:25	encourage 217:3,12 221:20 246:18
discourages 216:12	draft 247:7,9,11	effectuated 193:8	encourages 215:19
discuss 188:8 192:20 209:4 238:2 274:16 275:14 278:1	drafted 243:16 253:23 254:3 255:23	efficacy 203:4	encouraging 223:15
discussed 247:5 265:19	drafting 246:14 247:5	efficiency 189:7	end 187:18 192:6 212:7,13 213:17,24 232:25 245:18 258:1 259:2,11
discussion 231:21, 25 235:12,20 248:14 252:1,6,15	draw 227:22 228:8,9	efficient 188:14 239:8	ended 261:12
discussions 223:1 224:3 238:8 252:5 257:12	drawback 225:11	efforts 236:14 242:19	endorsing 268:9
dishwasher 189:14	draws 230:2	EFIS 234:15 235:4,6,9	ends 197:21 212:18
disincentivize 229:20	drive 181:7 214:16	eight-hour 213:9	energy 181:4,6,9,12 185:3,13,19 189:7 191:16 200:5,13,15,21 201:3 215:20 217:4, 14,20 236:5 238:7 239:15 240:3,24 241:5,8,9 246:3 267:3, 6 277:21 285:23 286:4,9
disk 235:7	driven 201:2	elderly 232:9	Energy's 185:5
disruption 183:14	due 210:25 251:18	election 206:2	energy-saving 216:5
dissimilar 225:22 226:9 236:10	dues 249:10,11 251:2, 15	electric 180:3,5,6 190:6 207:18 212:8,19 213:8 214:14,19 216:9,19,24 219:21	engaged 209:17 230:3
distinction 216:20 228:9	duly 279:5	electrical 216:15	engagement 192:20
distinctions 227:23	duration 203:7 204:4 211:24 215:6	electricity 190:20 222:17	engaging 220:4
distribute 238:7	durations 213:13	electrification 188:15 216:2,4 217:13,15	enroll 206:9
distributed 245:15 246:9,18	dwarfs 216:10	eligible 238:12 245:25 246:9	ensure 192:2 199:13
Division 181:4,6 185:3,4 239:15 267:3, 6 277:20 285:23	dynamic 245:4,7	else's 223:23	ensuring 187:1
	<hr/> E <hr/>	email 199:20	entail 230:22
	earlier 193:10 223:1 240:5 268:11 273:9		entered 276:1
	earliest 242:22		entering 183:6
	early 185:9,10 275:12, 13		entire 275:3
	easing 204:13		
	easy 212:8 224:8 232:19 276:9,14		

entries 180:12	examples 219:22	exists 276:12	Facebook 232:2,9
entry 182:12,18	excited 192:1 227:16 229:8 233:23	expect 199:22 244:13 245:1 253:8 259:20	facility 187:18
envelope 230:25	exciting 224:16,21	expectation 196:25 223:22 237:18 244:20 245:3	fact 200:12 220:2 222:25
Environment 182:5	excuse 264:16 268:10	expected 189:22 198:3	factor 224:9
environmental 188:15 251:2,4,5,7,17 252:23	excused 183:7 277:12,13,19,21 278:6,7	expedited 259:1	factors 221:19
environmentally 219:8	exercise 192:5	expeditiously 274:22	fair 195:21
envision 245:20 257:17 260:11	exert 188:12	expended 238:19	fairly 276:23
equity 187:15	exhibit 188:18 261:5 263:10,18,22,24,25 264:1,3,4,5,6,7,8,9,10, 11,12,13,14,15,17,18, 19,21,22,23,24 265:19,22 266:1,5,7,9 267:6,8 268:2,4,13,16, 20,24 269:1,2,4,8,9, 10,11,12,13 270:5,7, 19,20 271:12,14,17,18 273:10 280:1,4,5,7,8, 10,11,13,14,16,17,19, 20,22,23,25 281:1,3,4, 6,7,9,10,12,13,15,16, 18,19,21,22,24 282:1, 3,4,6,7,9,10,12,13,15, 17,19,21,22,24 283:1, 2,4,6,8,9,11,13,15,17, 18,20,21,23,24 284:1, 3,4,6,7,9,10,12,13,15, 16,18,19,21,22,24 285:1,3,5,8,9,11,12, 14,15,17,18,20,21,24 286:1,2,5,7,10,11,13, 14,16,17,20,21,23 287:1,2	expended 238:19	fall 209:6
ER-2019-0335 180:3	exhibits 183:5,6 262:18,25 263:4 265:2,8,10,11,17 266:12,23,24,25 267:4,6,10,16,18 268:17 269:15,18,19, 20,23,24 270:3,5,6,9, 10,13,15 271:21 273:5	expenditures 239:9	family 212:16 214:13, 14
essentially 197:3 218:8,21,22	existing 189:15 190:16 226:3,7	expense 217:4	farther 207:7
established 244:24		experience 209:16 210:1 230:8 244:17	Farugui's 204:3
estimating 205:23		experiment 229:23 230:10	Faruqui 184:4 186:11 193:11 203:3 204:8 205:12 208:1 209:3 213:21 214:4 217:7, 12,22,24,25 218:5,12, 15,18 220:20 222:12 225:3 228:11 244:18 261:19,20 280:21,22
Eubanks 184:11		expert 184:3	Faruqui's 207:13,16 208:22 211:24 215:5
EV 190:2,8,12 196:11 213:3,24 214:7 217:4 236:17		expertise 224:24	fashion 238:22
evaluate 190:7 243:21		experts 194:24	fashions 238:3
evening 190:1,23 197:20 203:21 212:3, 4,6,22 213:3 236:4,11 247:11 254:21		expired 235:13	fear 248:21
eventually 228:15		explain 251:9	February 186:20 210:21 259:11
Evergy 216:8,9,20 217:2		explaining 224:23	fee 196:10 227:24
everybody's 248:5		explains 242:17	feedback 199:11
evidence 215:18,23 262:21 263:3 265:6,15 266:14 267:2,11,19 268:5,18,25 269:5,16, 21 270:11,16 271:15, 17,19 277:16		explicit 244:11,15,23	feel 210:20 254:6 257:22 259:8 276:17
evidentiary 275:16		explicitly 207:12	feeling 219:4
EVS 191:1		expound 204:10 225:10	Ferguson 184:9 263:11 264:9 282:18 283:23
exact 259:9		extensive 203:3	figure 246:18 276:10
		extent 199:7	file 187:19 198:18,22 257:6 258:2 259:1 270:19 283:14
		extraneous 273:5	
		extreme 207:2 209:23	
		<hr/> F <hr/>	
		FAC 193:1,8 256:18, 21,24 272:25	

filed 184:21 186:20,22 203:10 223:2 255:21 256:3 257:3 259:11 270:21 272:16 273:9	focusing 211:13	funds 238:19	215:18 218:1,25 219:1,22 224:13 228:10 234:5,11 236:7 242:23 263:9,18 273:13 276:17
files 257:15	folks 209:20 216:16 232:11,13 233:25 236:2 242:23	future 199:9 201:9 228:21,22 252:9	
filing 188:4 234:14 256:22	follow 203:11 239:13	G	Gotcha 193:18
filled 196:2	follow-up 245:11	G-E-O-F-F 250:8	gradualism 204:12 205:4,9 207:5 223:9
final 248:11 253:7,8, 11 254:16 257:13	follow-ups 239:22	gain 233:15	gradually 223:4,10
finalized 200:1	forced 252:8	gained 222:8	grand 229:2
finally 191:14 197:21 229:13	forecast 244:24	Gas 207:18 219:21	grant 273:9
financially 279:12	forecasted 207:12	gate 209:15	granular 225:17 230:7 238:3
find 198:9 223:17 224:1 231:23 232:25 256:15	forecasting 244:16	gave 240:4 253:7 254:15 273:11	graph 214:21
findings 203:5 215:5	foregoing 279:5	geared 213:18	graphic 198:8
fine 202:24 277:23 278:3	forget 210:4	general 191:21 202:7 231:3 235:23 236:2,8, 18,24 260:11,17	great 182:4 188:25 194:12 222:12 229:8 231:24 252:12
finished 183:7	forgetting 180:4	generate 223:16	greater 188:25 191:4 206:6
firm 180:17 181:14	forgot 273:8	generating 187:24 188:1	greatest 189:4 191:17
fit 246:5 247:1	Fortson 184:12	generation 225:12 245:16,20 246:9,19	Greg 269:9 286:12
fits 189:3	forward 183:22 195:5 228:18 229:12 243:4 255:5 278:13	Geoff 184:19 265:23, 24 285:8,10,11	grid 188:14 245:16,17
flat 189:4 190:24 207:24 209:22 215:13 218:22 220:21 221:3, 10 222:3,6,11 223:15, 21 229:17 243:13,17, 25 245:3	found 188:21 233:2	geographic 197:15 198:2	group 181:9 185:13 250:1,5,12,14,16,18, 20 251:2,17 252:22,23 286:4
flattened 215:14	four-hour 214:22	give 199:11 201:23 202:20 206:10,20 209:23 212:24 220:25 225:13 230:6 234:1 238:20 243:11 244:17 253:4 257:23 267:15 269:23 274:3	group's 252:23
flexible 214:1	Fourth 182:5	giving 198:12 224:14	groups 238:21 249:13,15 251:4,7,14
flexibly 228:20	frame 192:16 227:15	glad 273:7	growing 208:25
flip 195:17 232:20	frames 192:21	goal 194:21 196:8 206:9,17 214:12 257:20	Grubbs 180:14
flipped 196:3	Friday 194:9	goals 187:8 207:8 217:13,14	guarantee 259:15
fluctuation 210:8,11, 13,15	front 218:16 259:22	good 181:1,5 182:8 186:18 203:1 206:25	guess 211:16 218:2,9 220:17 223:8 235:6 236:7
focus 186:23 215:25 217:9 237:3 238:5	fuel 187:21		gut 219:3
focused 236:12,14	fueling 216:19		guys 194:15 210:4 227:20 229:12
	fuels 216:1,5		
	full 196:6 197:6 246:3 252:23		
	fully 240:23		
	function 189:14 242:18 246:1		
	funded 239:2		
	funding 239:3		

<hr/> <p>H</p> <hr/> <p>half 204:20,25 205:14, 22 207:25 208:2,10,16 211:5,22 220:19 222:4 247:23</p> <p>Hall 181:1 184:18 249:25 252:19,21 260:19 265:18 266:3, 5,19 275:16 276:4</p> <p>Hande 261:16 280:15, 16</p> <p>handed 193:16 248:10</p> <p>handing 203:16</p> <p>handle 183:6,8 199:16 202:19</p> <p>hang 272:7</p> <p>happen 221:7 231:2</p> <p>happened 229:11</p> <p>happening 215:24 233:18</p> <p>happy 202:20</p> <p>hard 233:15 236:14 238:19 278:10</p> <p>Harding 261:21,22 280:24</p> <p>Hasenfrantz 261:23 281:3,5</p> <p>hatched 275:11</p> <p>hate 233:23</p> <p>head 225:21 235:2 258:7</p> <p>heads 202:7</p> <p>hear 200:3 218:1 231:5 249:3</p> <p>heard 183:17 218:2 223:9 274:5</p> <p>hearing 182:1 185:6 228:5 260:9 262:17 263:8 267:24 271:25</p>	<p>274:21 275:24 277:12 278:13</p> <p>hearings 273:15</p> <p>heart 188:5</p> <p>heat 190:20</p> <p>held 199:2</p> <p>helpful 188:21 193:24 221:23 259:17</p> <p>Henry 182:4</p> <p>Hevert 261:24,25 281:6,8</p> <p>Hey 242:7</p> <p>hiccup 199:15</p> <p>Hickman 261:25 262:1 281:9,11</p> <p>high 209:24 212:18</p> <p>higher 189:14 210:24 219:2 221:18 241:18</p> <p>higher-priced 191:4</p> <p>highly 234:15</p> <p>historic 192:14</p> <p>history 273:20</p> <p>hit 200:2</p> <p>Hold 181:25</p> <p>hole 242:3</p> <p>holidays 191:12</p> <p>Holsman 234:9,10, 13,17,21 235:10,15,22 237:5,8,10,20 238:11 239:5,12,17 245:10, 13,14 246:8,17 251:23,25 252:11</p> <p>Holsman's 260:3</p> <p>home 191:19 212:15, 16 214:2,15</p> <p>honestly 206:25</p> <p>Honor 181:10 182:8 185:14 265:18 267:21 269:7 271:1,11 276:5</p>	<p>277:24</p> <p>hope 187:11 256:1 257:9 272:24</p> <p>hopes 273:3</p> <p>hoping 206:13 228:15 235:19</p> <p>hosting 237:22 238:4</p> <p>hour 247:22</p> <p>hourly 234:25</p> <p>hours 189:13 190:21 191:4,11 203:7,20,25 204:4,6,24 207:18 212:20 213:5,14 214:1 221:14 235:1 241:6,7</p> <p>house 190:5 196:7 212:11 213:18,23</p> <p>household 187:4</p> <p>housekeeping 183:9 255:3,12</p> <p>huge 204:14 209:6 234:20,22</p> <p>hundred 225:8 274:4</p> <p>hundreds 244:21</p> <p>hurried 258:1</p> <p>Hutchinson 185:2 271:13 287:3</p> <p>HVAC 213:19</p> <p>Hyman 185:7,11 267:9 286:3</p> <hr/> <p style="text-align: center;">I</p> <hr/> <p>idea 204:12 208:18 212:9 213:6 223:13 224:11 233:22 236:17 260:19 274:3 277:3</p> <p>ideas 244:8</p> <p>identified 251:4,18 252:10</p> <p>identifies 274:15</p>	<p>identify 196:17 245:22 251:14</p> <p>IERG 250:23</p> <p>Illinois 250:24</p> <p>immediately 207:15</p> <p>impact 193:6 205:21 209:25 213:23 214:13 237:12</p> <p>impacts 189:22 206:18 207:1 209:15, 24 210:1 211:9</p> <p>implement 198:8 238:21</p> <p>implementation 193:5</p> <p>implemented 193:7 236:21 240:9</p> <p>importance 187:1</p> <p>important 251:14 276:22</p> <p>impossible 228:2</p> <p>impotence 249:18</p> <p>impression 276:7,8, 15</p> <p>improve 248:20</p> <p>improves 188:15</p> <p>incentive 208:16 259:4</p> <p>inclining 215:21 216:2,8</p> <p>include 187:15 199:5</p> <p>included 240:22 251:16</p> <p>includes 187:16 191:15 212:12</p> <p>including 187:17 191:12</p> <p>Income 238:12</p> <p>increase 210:19 216:15,18,19 222:18</p>
--	--	--	---

<p>incredibly 209:1</p> <p>incremental 190:17 196:10 197:2,7 216:16 227:24 240:11,19 241:4</p> <p>incumbent 229:25</p> <p>incurring 190:8</p> <p>indefinitely 223:14 243:6</p> <p>INDEX 280:1 281:1 282:1 283:1 284:1 285:1 286:1 287:1</p> <p>indication 212:25 273:20</p> <p>indifferent 241:13,20 242:2,3</p> <p>individual 241:16 260:12</p> <p>Industrial 181:12 185:19 286:9</p> <p>industry 215:25</p> <p>information 181:3,19 187:23,24 188:3 192:11 196:1 197:23 198:5,10 225:13 226:11 230:6 231:12 232:15 234:23 241:22 242:5,11,16 254:15 277:7</p> <p>informed 198:19 248:3</p> <p>initial 205:25 242:7</p> <p>initially 243:10</p> <p>input 260:15</p> <p>inputs 199:10</p> <p>insert 230:25 231:15 242:8</p> <p>Instagram 232:10</p> <p>install 192:7</p> <p>installation 187:3 192:8,9</p>	<p>installed 192:11</p> <p>installing 186:25 190:9</p> <p>integrate 246:18</p> <p>intend 194:11</p> <p>intended 204:14</p> <p>intent 192:7 223:9 231:14</p> <p>interact 245:15</p> <p>interaction 218:2</p> <p>interest 206:4 219:5 220:7</p> <p>interested 185:6 189:25 190:11 220:4 230:22 232:12 234:1 279:12</p> <p>intermediate 191:11 225:24 226:5,8</p> <p>Internet 232:11</p> <p>interrupt 252:19</p> <p>introduce 183:1,14 205:20 206:13 211:21 220:1 222:5 229:16 261:4</p> <p>introduced 225:24</p> <p>introduction 204:15 211:14 226:7</p> <p>introductory 228:12</p> <p>investments 246:20</p> <p>invited 260:1</p> <p>IRP 198:22 199:4,5,8, 10</p> <p>isolate 190:8</p> <p>issue 185:1 193:1 194:16 238:9,24 240:7 247:4 251:19 255:24 256:1 260:12,18 261:1,11 272:23,24 275:5,7 276:2,3,6</p> <p>issued 274:11</p>	<p>issues 180:11 184:20 185:5,15,25 186:23 192:24 193:4,6 238:14 239:2 255:13 256:10, 11,14 259:19,21 260:13,21,25 273:21, 22,24,25 274:1,3,4,5, 7,14,17,19,21,24 275:2 278:12</p> <p>items 262:23 274:15</p> <p>IVR 216:11</p> <hr/> <p style="text-align: center;">J</p> <hr/> <p>Jackie 185:2</p> <p>Jacob 181:6 267:5</p> <p>Jacqueline 271:13 287:3</p> <p>January 189:12 210:21</p> <p>Jason 264:13 284:8,9</p> <p>Jeff 180:21</p> <p>Jefferson 180:23 181:7 197:22 250:21</p> <p>Jeffrey 262:2 264:20 281:12,14 284:18,20</p> <p>Jermaine 180:14</p> <p>Jim 180:17 200:17 261:14</p> <p>job 242:23</p> <p>John 182:20 184:9 262:11 264:22 265:25 266:1,3,19 280:10 282:6,8 284:21,23 285:13,14</p> <p>Jones 262:2 281:12, 14</p> <p>Josh 271:9</p> <p>Joshua 182:9 277:24</p> <p>judge 180:2,7,20,25 181:1,4,9,12,20,25 182:7,11,17,22 183:13,24 184:5,13, 17,18,24 185:3,4,13, 18,22 186:2,6,10,18 193:13 196:16,20 201:23 202:2,6,8,13, 14,17 217:23 230:14 234:7,8 239:20 245:9, 12 246:22 247:20 248:2,9,23 249:2,6,8 251:21,22 252:17,19, 20 253:5 254:8,12,24, 25 255:11 256:8,25 257:14 258:2,6,11,19 259:5,6,7,14,17,24 260:4,7,10,14,24 261:3 262:22 263:4,6, 15 265:7,16 266:2,4, 15,21 267:3,5,12,15, 20,22,25 268:6,10,15, 19,21 269:1,6,17,22 270:2,12,17,20,23 271:2,5,10,16,20 272:3,6,11,22 273:1, 13 274:5,10,23 275:9, 13,16,22 276:19,20,25 277:13,18,20,23 278:3,7,9</p> <p>July 187:20 252:15</p> <p>June 192:19 199:3,12 231:13</p> <p>jurisdictions 207:14</p> <hr/> <p style="text-align: center;">K</p> <hr/> <p>Karen 264:14 284:11</p> <p>keeping 223:15</p> <p>Keevil 180:21 184:7 249:16,21 258:6,16 260:7,11 261:2 263:6, 18 273:17 275:12 276:20</p> <p>Kelly 261:22 281:3,5</p> <p>Kenney 202:15,16</p> <p>key 203:5 215:5</p> <p>kids 214:15</p> <p>kill 275:12,13</p>
---	---	--

<p>kilowatt 221:14</p> <p>Kim 264:8</p> <p>kind 199:14 204:10 205:8 207:4 214:5 215:5 219:5,15 220:1 221:2,21,22 228:12 240:13</p> <p>King 264:7 283:19,20</p> <p>Kliethermes 184:10 264:9 283:22,25</p> <p>knowing 248:12</p> <p>knowledge 208:8 227:8</p> <p>Kory 264:5 283:17</p> <p>Kunst 264:13 284:8,9</p> <hr/> <p style="text-align: center;">L</p> <hr/> <p>labeled 189:9</p> <p>laid 218:21</p> <p>land 209:18</p> <p>landscape 217:19</p> <p>Lange 184:10 248:17 254:8,10 264:4,10,17, 25 283:14 284:3,15 285:6</p> <p>Lansford 262:3 281:15</p> <p>large 186:15 200:22 205:2 209:1 211:3 221:8 227:12</p> <p>larger 208:24 209:7, 12 211:11 221:13,17</p> <p>late 182:20 198:24 236:4 272:16 273:9</p> <p>Laura 183:25 193:10 194:24 201:25 272:16 273:10</p> <p>law 180:7,17 181:14 182:5 246:2</p> <p>laws 246:24 247:3</p>	<p>lead 183:20</p> <p>leave 254:20 267:23 268:1 276:8 283:14</p> <p>left 188:24 243:18 272:15 276:15</p> <p>length 217:8</p> <p>level 201:4 210:17,18 211:18 245:5</p> <p>levels 221:11</p> <p>Lewis 180:18 181:18</p> <p>liability 256:17</p> <p>life 196:24 197:3</p> <p>lifestyle 241:17</p> <p>lightened 278:12</p> <p>likes 209:9</p> <p>limitation 254:17</p> <p>limited 185:15,25 190:5 226:10</p> <p>Lisa 184:8,11 263:11 264:8 279:3,17 282:18 283:23</p> <p>list 261:5 263:16 265:19 270:19,20 273:24</p> <p>listed 245:25 251:16 262:24</p> <p>listening 248:5</p> <p>literally 228:2</p> <p>lived 197:21</p> <p>LLP 180:18</p> <p>load 190:8 203:6 204:14 205:2,10 206:7 212:11 214:1 220:4 221:19 228:20 241:12 278:12</p> <p>located 250:20</p> <p>lock 223:14</p> <p>Loesch 262:4 281:17</p> <p>long 204:2,24 205:7</p>	<p>212:6 213:3 227:20 229:12</p> <p>longer 212:5 237:17</p> <p>looked 208:10 233:1 243:2 244:16 259:12</p> <p>loosely 251:5</p> <p>lose 219:25</p> <p>lot 192:17 201:2 205:4 217:6,16 232:11,14 233:2 236:22 241:17 252:22 254:10 262:5 273:5</p> <p>lots 220:9</p> <p>Louis 180:16 181:15 182:6</p> <p>low 189:22 201:9 210:23</p> <p>lower 208:16 219:9 240:17</p> <p>lowering 227:16</p> <p>Lowery 180:17 200:12,18 201:1 234:24 259:6,8,15 268:14 276:5</p> <p>Luebbert 184:10 264:1,11 283:8 284:5</p> <p>Lyons 264:14 284:11</p> <hr/> <p style="text-align: center;">M</p> <hr/> <p>M-A-R-K-E 250:9</p> <p>made 188:3 259:13 277:4</p> <p>Madison 180:22</p> <p>mail 199:20</p> <p>main 211:4</p> <p>major 191:18 253:25</p> <p>majority 180:11 260:2</p> <p>make 188:4 190:12 194:16 195:25 200:3</p>	<p>206:1 214:21 216:20 220:2 221:17 223:10 232:5 234:2 239:13 243:5 248:7 252:11 257:12,24 258:10 259:2,8 266:17 272:19 273:1 277:2,6,15</p> <p>makes 187:4 222:15 232:24 260:23,24 274:10</p> <p>making 217:18 236:13 259:2</p> <p>managing 191:5</p> <p>map 237:22</p> <p>March 186:21 190:11 192:19</p> <p>Marci 261:15 267:7 280:12,13</p> <p>Marcy 185:7 285:24</p> <p>mark 184:8 185:7 220:13 261:18 271:6 280:18,19</p> <p>Marke 184:19 250:5, 8,12,14,16,18,20,24 251:3,10 265:23,24,25 285:8,10,11</p> <p>marked 261:8 263:14</p> <p>market 219:11</p> <p>marketed 190:4</p> <p>marketing 245:6</p> <p>Martin 267:9 286:3</p> <p>massive 206:17</p> <p>material 253:25</p> <p>math 227:24 235:2</p> <p>matrix 221:2,3</p> <p>Matt 261:10,13 280:6, 7</p> <p>matter 180:3,5 257:9 275:17</p> <p>Matthew 264:22 284:24</p>
---	--	---	--

Maurice 269:11,13 286:15,16	192:7,21 196:13 197:16,17,25 198:3	missed 266:21	210:7 246:4
maximize 246:19	method 232:3	Missouri 180:13,15, 16,18,19,23 181:8,9, 12,15,21,22,24 182:21 185:13,19 186:2,22 189:16 191:20 192:1 194:2,4 196:19 197:19,20 202:1 218:20 219:11 220:19 221:2 222:15 236:7 238:13,25 250:22 251:24 252:24 253:23 268:19,21,24 269:4 271:3 279:4 280:3 286:4,6,9,24	months 189:15,18 191:9,10,24 195:12, 14,16,20 196:7 197:4 199:20 206:10 210:23, 25 233:9,18,21,25 237:12,14 241:23 242:8 243:1,2,4,19 244:4
meal 229:3	methods 232:16	Missouri's 180:5 252:6	months' 195:25
measure 216:5	metric 210:20	Missourians 209:21	Moore 183:25 193:10 201:19,22,25 272:16 273:10
measured 220:15	Metro 216:9 217:2	Mitchell 262:3 281:15	morning 181:1,5,21 182:8,23 186:18 234:11
MECG 181:11 267:20 268:4	Meyer 201:6 269:10 286:12	modeled 208:12	motion 273:8,9 283:14
mechanisms 193:5	mic 250:2	modeled 208:12	motivate 229:18
media 231:4,20,23	Michael 261:21 264:18 280:24 284:17	modeling 201:3	mouth 223:24
meet 192:16,18 204:16 206:5 217:13 234:12 238:2	Michels 261:10,13 280:6,7	modern 188:10,13 192:2 207:20 224:8 228:10,21 230:8	move 188:5 190:25 205:11 207:7,10 214:1 244:10 277:11
meeting 190:10	microphone 183:17 263:8	modernize 237:2	moved 189:11 214:25 243:24,25
meetings 199:1,4,5, 9,12 242:19	middle 190:1	modernizing 187:5 236:13	movement 209:5
memory 208:23	middleman 197:10	MOG 250:17	moves 217:18
MENDOZA 269:25 270:3,19,22 271:8	Midwest 250:18	moment 180:4 182:13,15 195:7 202:13 221:24 230:20	movie 229:10,11
mention 221:25 273:8	MIEC 181:18 185:20 269:6,7,15,20	momentum 217:16	moving 212:11 217:14 220:4 243:4 244:20 253:9
mentioned 186:8 195:12 198:25 212:10 213:6 219:16 223:5 228:11,12 244:18	mild 220:6 222:14,20, 21,23	money 191:17 205:22 206:12,15 212:23 220:1,5 229:21 238:24 239:7,11 241:15	multi-platform 199:21,23
menu 188:17	mildly 223:6	month 190:17 210:11 227:18,23 228:2 245:18,19 246:3 258:12 273:18	multiple 200:2 231:4 237:19
Mers 180:21	million 187:14 221:1 273:23	month-to-month 210:15,20	Muniz 262:5 281:18
message 200:4 231:4	million-ish 200:20	monthly 187:23 188:8 192:19 196:10	Murray 266:8,10 285:20,22
met 234:12	Mills 181:17,18 185:20 193:11 198:4 208:21 269:7 274:10 276:6 277:9,10,17		<hr/> N <hr/>
meter 189:16 190:9 192:10 195:17 196:23, 25 197:1,3,5,6,8,10, 11,24 228:4 231:13 241:23 242:11,13	mind 207:15 212:8 215:9 227:3,11,13 244:22 255:8 271:5 276:22		names 188:20
metered 252:2	mine 273:17		
metering 191:8 225:12,13 227:24 231:6 246:1,24 247:11,13 252:7	mini 260:20 273:4		
meters 186:25 187:2 189:10 190:14,16	minimum 237:17		
	minis 261:2		
	minor 186:21		

Nancy 180:7	non-ami 196:10	257:17 262:22 268:11, 12 269:2 270:13 271:16 277:15	Oligschlaeger 184:8
narrow 205:7	non-energy 239:8		omitted 270:7
Natelle 184:12	non-summer 190:18 191:10 204:21 210:17 214:23 215:13	objections 266:22 267:16 269:18 277:22	on-peak 190:20 212:6,10 213:3,11 214:7,11,16,25 221:20 226:3 240:10 245:17, 20
national 182:2 184:3 185:23	non-time-of-use 215:11	objectives 205:11	on-the-record 180:9
nationally 217:6,9	non-varying 189:5	occur 244:17	one-third 241:9
Natural 182:3	noncontested 258:17	occurs 255:25	online 192:12 195:19
nature 233:3	normal 241:9	October 198:23 210:24	online 192:12 195:19
necessarily 205:4 260:25 276:9,16,17	North 181:15 182:5	Oerly 185:7,9,12 260:2 267:7 285:24	OPC 192:19 258:3 260:20 266:12,25
needed 190:12	not-too-distant 199:9	off-peak 190:21 191:12 203:8,20 212:5,7 214:7,12 221:20 223:11 225:20 226:6 228:1 240:3,10, 17 241:5	OPC's 184:20
negative 224:19 251:16	note 192:23 214:24 253:2	off-system 201:4	open 229:2 256:19
negatively 209:25 214:13	notice 192:7 241:4	offer 187:11 192:1 261:7 263:5,7 265:17 267:4,8 268:20,22 269:8,24,25 271:12	opening 186:13 229:2 260:12,17,20 261:1
negotiated 218:7,19	notion 223:6	offered 195:15 262:16,21 265:5 266:13 267:1,10 268:4,24 269:16 270:11,16 271:14 275:20 280:2 281:2 282:2 283:1 284:2 285:2 286:1 287:1	openings 260:17,20, 22 273:4
negotiation 223:18	NRDC 185:24 278:5,7	offering 235:23	operating 232:13 236:3
negotiations 273:19	number 180:3 187:14 195:4 200:8 201:2,9, 12,17,19 208:25 209:1 210:11 219:19 246:4 251:13 268:2 269:1 274:19	offers 265:22 266:11	opinion 204:7 209:14
net 241:15 245:25 246:1,2,24 247:11,13 252:1,6	numbering 265:20 266:16	offhanded 210:10	Opitz 181:23 268:21
net-base 200:21	numbers 193:19 207:15 244:19 248:15 253:6 257:13,22 265:20	Office 180:25 181:2 192:24 239:16 242:20 249:18 251:13 266:23 285:7	opportunities 206:7, 21 212:13 228:16
net-based 200:5,13, 15	numerous 184:7 203:4 232:10		opportunity 188:25 189:24 191:4,17 192:8 205:10 212:21 220:2 242:22 246:19 253:13 257:1 259:23
netting 246:4			opposite 184:19
network 197:13,16, 17,23,24 216:22	O		opt 254:19
neutral 192:12 241:11,21	O-E-R-L-Y 267:7	offset 240:3,23	opt-in 190:15 191:22 218:9 219:17,22 235:21 254:16
news 218:25 219:1,2	Oakland 182:10	OG&E 244:23	opt-out 192:8 232:20, 21 254:16
nice 219:23 234:12	object 194:8,11 265:8	Oklahoma 207:18 208:4 219:16,21 220:16,20 222:2	opted 233:7
Nicole 180:21	objecting 194:2,3,8		optimistic 230:7
Nieto 264:15 284:12, 14	objection 234:14		opting 240:12
night 189:21,24 191:2 213:1 232:22			
nods 202:7			
non-- 258:16			

<p>option 189:3,20 190:4 191:18 192:14 196:5 206:5,12,15 212:15 213:22 220:25 236:9, 11 241:24</p> <p>optional 219:13</p> <p>options 187:6,11 188:11,17,22 189:18, 25 192:2,12 204:16 206:2,6,20 209:21 228:21 230:23 236:15 237:5 243:22 277:5</p> <p>OPTIZ 181:23 186:3 194:6,10 252:4</p> <p>order 194:16,19 199:13 200:3 203:5 231:5 240:3 256:1,3,4, 20 257:4,7 272:18</p> <p>ordered 255:21</p> <p>originally 190:2</p> <p>ostensibly 185:5</p> <p>outcome 279:12</p> <p>outlays 238:15</p> <p>outreach 199:21 230:21</p> <p>outstanding 256:11</p> <p>overnight 189:13 191:1,12 204:19 212:9,14,20 214:1,18</p> <p>oversight 239:6</p> <p>owner 213:8</p> <p>Ozone 250:18</p> <hr/> <p style="text-align: center;">P</p> <hr/> <p>P-I-O-N-T-E-K 268:23</p> <p>p.m. 190:21,22 191:9, 10,13 203:21,22 213:6 214:23</p> <p>P.O. 180:18,23</p> <p>package 219:12</p>	<p>pages' 274:2</p> <p>paid 238:22,25</p> <p>papers 224:23</p> <p>paragraph 192:17 234:16 235:10,22 237:10 238:11 249:18</p> <p>Paragraphs 188:7</p> <p>parameters 211:23</p> <p>pardon 259:6</p> <p>parent 214:15</p> <p>parenthesis 203:7</p> <p>part 191:20 199:24 206:21 218:21 223:14, 18 224:2,16,21 231:6 233:4</p> <p>participate 191:17 228:7</p> <p>participating 191:24</p> <p>parties 180:11 188:2 193:25 194:1 199:11 200:9 202:3 218:7 235:9 248:4 252:18 255:1 257:15,16,21,24 258:24 259:3 260:21 274:16 275:1,20 276:10,17 279:9,11</p> <p>parties' 247:24</p> <p>parts 222:13 263:23 283:3,5</p> <p>party 187:9 224:1</p> <p>passage 232:4</p> <p>past 184:16 224:24 227:7 230:5 273:20</p> <p>path 276:9</p> <p>Paul 264:5 283:16</p> <p>pause 182:13 183:10</p> <p>paybacks 201:9</p> <p>paying 238:25</p> <p>peak 191:4,6,8 203:6 214:22 215:6 219:2</p>	<p>223:10,11 224:10 225:19</p> <p>pending 275:21</p> <p>penetration 216:23</p> <p>people 182:1 198:2 207:10 219:1,6 220:2, 7,24,25 222:5,23 223:16 224:15 225:6 228:6 229:7,17,18,20 230:12,23 232:2,14, 23,24 244:7,9,13 245:6 256:5</p> <p>percent 187:16 204:22,25 205:16,17, 23 207:19 208:4 209:18 210:15 211:6, 8,18,20,22 219:19,21 220:15,16 241:7 244:23 245:1</p> <p>percentage 193:1 256:19,21</p> <p>Perfect 194:22</p> <p>performed 203:3</p> <p>period 191:8,11 194:7 200:7 204:3,21 211:22 212:17 213:4,11 214:22 221:21 222:4 223:11 224:10 225:25 227:20 237:11,17 240:10 254:21</p> <p>periods 201:10 203:6,9 205:7 215:6</p> <p>permission 257:18</p> <p>person 184:15 219:4 233:11</p> <p>personal 218:18</p> <p>personally 238:23</p> <p>perspective 209:3 224:12 229:24 230:10 252:6</p> <p>philosophically 222:25</p> <p>philosophy 184:19</p>	<p>Phoenix 219:20 220:16</p> <p>phone 184:3 204:8 217:22 233:5</p> <p>physical 270:1,24</p> <p>physically 269:23</p> <p>pick 221:10,11,15 241:11</p> <p>picked 223:3</p> <p>piece 268:1</p> <p>pieces 275:25</p> <p>pil-- 225:7</p> <p>pilot 225:8 226:1,3, 11,13 240:9</p> <p>Piontek 186:4 268:22 286:8</p> <p>PISA 195:4</p> <p>pivot 220:5</p> <p>place 207:5,8 222:22 223:2 254:1 259:4</p> <p>plan 194:8 195:18,19 198:16,18 199:16 210:3 216:22 228:9 231:11 232:16,20,23 233:8 241:25 261:3</p> <p>planned 198:2 199:2, 14 236:23</p> <p>planning 190:6 198:22 236:21,23</p> <p>plans 195:14</p> <p>plays 224:10</p> <p>plenty 199:8</p> <p>pocket 210:21</p> <p>podium 202:20</p> <p>point 192:23 210:23 211:2,16 224:4 236:18 241:3,13 243:20 247:18 257:10</p> <p>points 229:23</p>
--	---	---	--

policy 215:18 217:3,5	pressing 273:14	product 199:5 205:25 206:2	provisions 246:15,16
poor 217:3 221:19	presume 257:7	production 201:3	public 180:25 181:2 184:17 192:24 217:3 219:19 221:14 239:16 242:20 249:19 251:13 261:17,19,23 262:3,9 263:20,21,23,24 264:2,6,13,15,20,21 265:16,22 266:5,8,10, 11,23 280:16,19 281:5,14 282:3,21,25 283:5,12,20 284:9,14, 20,23 285:7,17,22
poorly 228:6	presumption 257:9	program 196:24 206:10,11 238:12,13, 20	pull 197:23
pop 243:15	pretty 200:19,20 207:1 215:3 259:16	programming 214:2 242:18,23	pulling 245:20
population 220:9 224:5	prevent 205:8 239:7	programs 189:7 193:20 253:8	purposes 187:17 188:19 249:12
portfolio 219:24 228:11	previous 217:2 239:22,24 240:2 243:2	prohibited 252:9	push 206:21
portion 184:1 188:6	previously 181:3 238:13 261:11	prohibition 244:3 252:2	put 196:21 212:6 213:11 220:14 232:21 235:7 253:3 255:16,22 256:16 278:10,11
position 249:11	price 188:13 204:18, 24 212:18 214:6 216:18 219:2 226:8,25	Project 219:20 220:23	putting 197:7 209:22 223:23 235:9 242:12 278:11
positions 252:10	prices 201:3	projecting 244:7	<hr/> Q <hr/>
positive 187:10 205:21 222:24 224:19 230:8	pricing 203:8 204:5, 25 211:25 213:13	projections 207:11 244:6	quarter 204:22
positively 222:14	prime 219:11	promote 188:14,15 222:6	question 183:6,16 193:24 200:15 218:9 222:1,12 224:25 225:1 228:25 231:23 233:4 234:6 238:1 240:7 243:12,20 248:24 249:1,3,5 251:21,23 255:4,13 260:8 271:23,24 272:9,12 273:14
possibly 229:3	print 271:3,6	pronounce 185:8	questions 182:25 183:3 184:13,23 185:17,21 186:4,19 193:11,14 202:12,15, 16,18 203:11,17 218:3 230:15,18,20 234:9 239:18,22 244:7 247:21,24 248:4
potential 222:9	printed 272:1 273:24	pronounced 185:11	
potentially 210:1 216:4 236:2 252:8	printing 272:14	propose 191:21 235:19,20	
power 212:25 221:20 225:14 228:1 241:17 245:16,17,22	printout 186:16 188:23	proposed 206:24 216:12 246:13 247:6	
practice 218:23 258:19 274:16	prior 189:11,18 190:24 192:7 226:16, 21	pros 222:13 223:19	
preferred 265:20	priorities 217:19	protection 190:19	
prefiled 263:12	problem 186:17 242:11	proud 218:13	
preliminary 273:24	procedural 255:5,13	provide 184:21 187:3,6,24 190:19 192:6,8 214:17 238:3	
premarked 261:5	procedure 182:25	provided 181:3 184:19 185:11,12 234:15 241:23 265:19	
prepared 188:19	proceeding 275:15	providing 187:22 188:11 235:9 236:1 239:4	
prescribes 246:2	process 198:12 206:19 231:14 253:24 255:25 258:1	provision 238:9 242:9	
present 182:23 186:7 205:24 259:23 270:1 277:14	process-wise 236:18		
presentation 180:8, 10 186:13 247:25 260:8	produce 205:2 217:20		
presents 240:11	produced 199:4 246:3		
presiding 180:7			

<p>252:18 255:1,2 259:25 260:3 272:7 275:15</p> <p>quickly 219:9 227:22 257:15 259:4 274:20</p> <p>quote 203:3</p> <hr/> <p style="text-align: center;">R</p> <hr/> <p>radar 238:7</p> <p>raise 236:16</p> <p>raised 192:24 274:5</p> <p>raises 275:5</p> <p>ramp 223:8,10,22</p> <p>range 187:15 202:10 204:7 221:10 227:4 244:17</p> <p>ranges 208:22</p> <p>rate 180:8 184:2,3,20 185:16 186:22,24 187:4,5,10,16,19 188:4,6,7,11,13,17,21 189:4,5,9,10,11,12,18, 19 190:4,14,17,23,24, 25 191:3,6,7,15,17,25 192:2,12,14 193:7 194:13,22,25 195:3, 14,17,23 196:11,21 197:20 200:16 201:16, 19 203:18 204:12,13, 16,24 205:16,19 206:21,23,24,25 207:10,11,18,20,21,24 208:3,7,11,15,19,20 209:11,12,17,19,22 210:17 211:7,13,23 212:3,14,23,24 214:5, 16 215:4,8,11,15,19, 21 216:2,11,13,24 217:21 218:4,5,13,14, 16,19,22 219:4,9,12, 13,16,24 220:4,6,10, 15,17,18,21,23 221:5, 6,12,19 222:3,4,6,9, 10,11,14 223:7,15 224:9,17,21,22 225:5, 6,18,23 226:3,11 227:7,15,21,23 228:6,</p>	<p>22 229:5,13,16,17 230:9,19 232:21,22 233:4 235:24 236:15, 19,21,23,24,25 239:24 240:2,8,13,17,21,22 241:24 242:4,11,16 243:1,3,7,8,14,17,21, 22,25 244:1 245:1,3 246:16 247:2,6,8,10 248:19,21 255:20,21 256:24 258:8 259:3,10 270:8 276:21 286:23</p> <p>ratemaking 205:3</p> <p>rates 189:21 190:24 193:3 195:21 203:4,5 204:19 205:11,21,24 207:14 210:19 211:10, 15,21 215:11,19 216:8 217:18 218:8,9 219:12,14,15,17 220:8 221:3,4,10,15 222:5,7 223:16,17,21 224:6,7, 11,14 227:19 228:10, 16,18 230:3 236:13 237:2 240:25 241:3, 13,19,20,24 242:17 243:14 244:8,22 245:21,25 246:12,25 248:11 252:8 253:11, 22 254:18,19 255:22 256:17 276:23</p> <p>ratio 214:8 226:2 240:21</p> <p>reach 187:7 230:23 232:17</p> <p>reached 180:11 253:15</p> <p>read 196:13 231:15</p> <p>reading 214:21</p> <p>ready 186:19 206:22 207:7</p> <p>real 223:16 224:4,7 226:6</p> <p>reality 201:14</p> <p>realize 206:11 219:9 268:12 269:23</p>	<p>realized 272:15</p> <p>reason 199:24 226:9 236:11 259:18</p> <p>reasonable 245:1</p> <p>reasoning 196:9</p> <p>reasons 201:2</p> <p>reboot 229:6</p> <p>rebuttal 261:10,14, 16,20,21,24 262:1,2,3, 4,7,8,9,11,12,13,15 264:4,5,7,8,9,10,11, 13,15,16,17,18,20,21, 22 265:23 266:7,9 268:22 269:12,13 280:6,9,10,13,22 281:8,11,12,14,15,17, 18,21,24 282:3,5,8,11, 12,15 283:16,17,19, 20,22,23,25 284:3,5,6, 8,9,11,12,14,15,17,18, 20,21,23,24 285:10,19 286:8,16,18</p> <p>REC'D 280:2 281:2 282:2 283:1 284:2 285:2 286:1 287:1</p> <p>recall 226:25 227:5</p> <p>receive 189:16 192:11 196:1 253:15 268:16 269:19 270:14 271:17</p> <p>received 199:19 263:3 265:15 267:18 268:17 269:5,21 271:18</p> <p>receives 195:12</p> <p>receiving 192:21 241:23</p> <p>recent 273:20</p> <p>recite 208:22</p> <p>recognize 187:1 232:5 257:8</p> <p>recommendation 258:10</p>	<p>recommended 212:2</p> <p>record 180:2 182:15, 16 183:4,11,12 198:5, 18 201:7 202:6 248:1, 3,8 252:25 255:9,10, 11 259:22 260:6 262:23 265:9,19 266:23 268:13,16 269:18 275:15 277:12 278:14,15</p> <p>records 233:21</p> <p>recovered 256:16</p> <p>redo 255:20</p> <p>reduce 187:13 189:6 206:7</p> <p>reduced 279:7</p> <p>reduction 217:13 240:24 273:23</p> <p>reductions 217:20</p> <p>Reed 272:20</p> <p>referenced 214:4</p> <p>referencing 216:3</p> <p>refers 249:17</p> <p>refile 256:3</p> <p>reflect 197:7</p> <p>regard 211:1 215:5 220:24</p> <p>REGFORM 250:19, 20,21,22,25 252:22</p> <p>regular 198:12</p> <p>regulatory 180:7 250:5,12 252:23 256:17</p> <p>reimbursed 238:18</p> <p>reimbursement 238:24</p> <p>reject 256:2 274:12 276:3</p> <p>rejected 276:2</p> <p>relatable 212:3</p>
---	---	--	--

related 187:23 203:5 236:24 239:8 260:25 279:8	214:3 215:7 220:3	revised 263:10,11 274:18 282:18	14,18 209:9 210:2,6, 12 211:2,12,19 213:2, 10 214:6,10,20 215:2, 10,17 216:7 217:1,22, 24 218:1,10,11,17 220:12 222:1 224:20 225:4,18 226:13,16,20 227:2,6,11 228:5,24 230:11 239:24 246:22, 23 247:9,16,19 248:18
relates 193:2 208:7	reservations 275:17, 18	revisited 252:14	Rupp's 244:7
relative 203:8 215:6 230:18 279:10	reserved 261:11 263:7 264:16,19,23	Riley 266:1,20 285:14	rush 274:16
relevant 218:19	residential 188:7 191:21 210:3,8,14 236:13,15 237:2	risk 189:14 276:12	Ryan 262:6,7 281:20, 21
remain 192:25	resolution 275:3	River 219:20 220:22	Ryterski 262:6,7 281:20,21
remaining 196:25 197:3 260:21 262:16	resolve 274:20	Rivers 182:4	<hr/> S <hr/>
remember 225:20 276:20	resolved 261:12	Riverside 181:7	Sagel 262:8,9 281:23, 24 282:3
Renew 181:22,23 186:2 194:2,4 251:23 252:6 268:19,21,24 269:4 286:6	resource 238:7	road 243:4	salaries 239:8
renewables 228:20	Resources 182:2,3 185:23	Robert 261:24,25 281:6,8	sales 201:4
repeat 250:10	respectfully 277:21	Robertson 182:3,4 185:24 278:5,8	Salt 219:20 220:22
report 249:12,17 263:19,22,24 264:2 282:20,21,23,25 283:3,5,10,12	respond 224:8 229:1	Robin 184:10 264:9 283:22,25	Sarah 184:10 248:15 253:10 264:4,17,25 283:14 284:15 285:5
reporter 181:18 250:7 261:9 263:13,16 267:13 270:24 272:15 273:11 279:1	responded 230:19	Robinett 265:25 266:3 285:13	save 189:1,6,12 191:4,17 205:22 206:12,15,21 211:21 213:19 219:3,25 229:21 241:14
reporting 187:23 191:23 201:24	response 243:12	robust 223:10	Saver 196:11 224:22 240:21
represent 197:2 213:24	responsibility 232:5	ROE 202:10	savers 190:2,23 191:3,15 197:20 206:24 212:3,4,6,22 213:3 214:7,20 215:3 219:12,13 224:6,11, 16,17,21 225:23,24,25 226:4,7 229:15 236:11,17 243:16,18, 19,24 247:12 254:20, 22
representing 181:6	rest 191:11	role 223:18	saves 212:22
request 186:23 194:15 255:6 272:17 277:11,21,25 282:18	restaurant 229:2,4,5 236:4	roll 232:6	
requested 186:22 199:24	restraint 268:15	rolled 208:4	
required 196:13 199:10 235:19	restrict 233:14	rolling 227:14 237:11	
requirement 184:1, 20 187:13 193:7 270:4,5 286:20,22	restrict 233:14	rollout 192:20 197:18 198:2,11 199:13,16,25 205:25 206:3 209:13 231:6	
research 203:3 211:24 213:12,14,17	restriction 234:4	rollover 245:18	
	restrictions 235:5	rolls 208:19 231:13	
	retain 187:24	room 193:25 248:5	
	return 187:15 247:24	roughly 205:17	
	revenue 184:1,20 185:16 187:12,13 193:6 241:10,21 270:4,5 286:20,22	round 190:19	
	Revenues 180:6	rows 235:3	
	revert 234:2	rules 198:7 199:10 246:24 247:3 256:15	
	review 188:2 253:24 254:2 257:11,16,24 258:9,10 259:4	Rupp 202:17,18,23,25 203:2,13,16,24 204:2, 18,23 205:13,19 206:9 207:9,21,25 208:2,9,	
	reviewing 257:23		

saving 206:11 220:5 240:14 241:15	191:21 219:20 221:14 236:2,8,18,24 237:25 263:19,22,24 264:2 282:20,21,23,25 283:3,5,10,12	show 192:13	234:11
savings 190:24 205:10 206:4 214:17 217:14,21 222:8 228:17	services 193:2 235:24	showed 198:9	situation 217:10 276:12
scenario 223:25	set 192:17 194:13 201:9 222:9,10	shown 220:3	size 226:25 235:4,8
Schatzki 261:14 280:9	setting 189:13	shows 208:22 213:12	sleep 219:25
schedule 206:22	settled 185:1,5 246:2 259:10	side 216:10,24 222:24 236:20,22 255:5	small 191:21 221:7,8 235:23 236:2,8,17,24 240:7
schedules 263:25 283:7	settlement 187:7,8, 17 188:10 214:25 224:2 249:13 251:12 252:5,15 278:11	sidebar 240:7	smart 186:25 191:3,5, 19 206:24 207:18 212:19 214:20 215:3 219:7,12 224:6,21 225:23,25 226:4,6 229:15 243:16,18,19, 24 244:21 247:12 254:20
Scott 262:13 282:12	SGS 236:8	Sierra 182:4,7,9 185:25 190:10 269:22 270:10,15,17 277:25 286:19	Smith 180:18 182:8,9 264:21 271:9 277:24 278:4 284:18,20
screen 238:7	shape 220:4	signals 188:14	smoothing 210:3
season 205:17	share 188:20 226:12	signatories 249:10	solar 245:16,17
seasonal 210:16,19	shared 188:4	signed 193:25 194:1, 2 230:12 251:15	Solid 250:14
seasonally 210:22	sharing 192:25 256:19,20	significant 189:22,23 203:6,8 204:5 207:2 210:19 212:13 213:13 274:6	solutions 190:7
seasons 190:18 237:12	Shawn 264:10 284:3	significantly 201:5	sophisticated 207:20 209:19 228:16 254:19
seated 186:10	sheet 203:20 248:10 253:7	Silvey 193:15,19,23 194:4,7,12,17,20,22 195:1,3,8,11,24 196:6, 9 197:9 198:1,11,21, 25 199:18 200:5,10, 14,22 201:8,13,16,21 202:3,8,12 239:21 240:1,15,20 241:22 242:6,14,25 244:2,5, 12,25 245:8 248:25 249:4,7,9,20,22,25 250:3,6,10,13,15,17, 19,23 251:1,6,11,20 253:6,14,18 254:3	sort 221:15 255:12 274:13
section 234:13 249:10	shift 205:10 212:8,13, 20 221:20 240:16 241:14	similar 208:3 216:12 220:17 221:5,22 226:2 237:6	sound 182:14 183:11 277:2
select 189:2 190:18 195:22	shifted 189:19	simple 214:1 220:21 233:5	southern 197:19
selected 242:25	shifting 189:13,24 203:6 204:14 205:3 206:7 217:19	single 274:12	span 191:11
selects 189:20	shock 205:6,8 206:19	Singlespaced 274:2	Spanos 262:11 282:6,8
self-select 220:24	short 196:24 203:7 204:4 211:24 212:6,10 218:9 255:8	sir 202:23 225:4	speak 183:16 184:20 185:16 205:6 219:3 244:24 260:19 277:4
seller 187:18	shorter 213:13 223:11 224:10		speaking 183:15
Seltzer 262:10 282:5	shortness 215:6		special 191:23
send 188:13 235:7	shot 234:1		specific 184:22 187:22 193:11 196:14 198:17 199:11,16
sense 187:4 221:5 223:20 260:23,24	shoulder 210:23		
sentiment 223:3			
separate 260:22			
September 198:24			
series 242:19			
served 229:2			
service 180:6 187:18			

<p>213:17 215:7 242:13 246:15</p> <p>specifically 208:1 213:7,23 230:23 238:3 239:3 244:12 251:14 252:10</p> <p>specificity 193:17</p> <p>spectrum 188:24 190:1 204:11 206:22</p> <p>speed 258:25</p> <p>spelling 253:3</p> <p>spook 211:7,9,18,20</p> <p>spreadsheets 235:2</p> <p>SRP 221:22</p> <p>St 180:16 181:15 182:6 197:19</p> <p>stable 209:22</p> <p>staff 180:20,22 184:5 188:2 192:19 198:16, 19 199:24 216:12 223:4,19 231:11,12,25 236:16 237:15,24 238:3 239:14 242:20 246:13 247:6,24 248:4,14,24 249:3,12 253:23 255:23 257:10 258:3 263:4,19,22,23 264:2 265:2,8,11 282:16,18,20,21,23,25 283:3,5,7,10,12,14</p> <p>Staff's 200:7,12 212:2 237:25 249:11,17 263:25</p> <p>staggered 191:18</p> <p>staging 197:15 198:9</p> <p>Stahlman 264:18 284:17</p> <p>stakeholders 190:11 199:1</p> <p>stand 183:24 186:8 232:4</p> <p>standalone 252:22</p>	<p>Star 229:6</p> <p>start 180:13 186:25 187:12 197:18 203:18 206:19 223:21 240:14 241:15,20 242:7,10,18 248:7 257:6,22</p> <p>started 230:21</p> <p>starting 189:3 217:10 224:4 240:12 241:3,13 242:3,4</p> <p>state 203:19 216:10, 24 217:17 279:3</p> <p>statement 186:13 203:13 204:3</p> <p>statements 259:21</p> <p>states 208:10,12,14 217:7,9,17 220:16</p> <p>status 188:1</p> <p>statute 195:4</p> <p>stay 220:10 223:13 244:9,14 245:1</p> <p>stay-at-home 214:15</p> <p>stays 188:9</p> <p>stenographer 181:3</p> <p>step 187:10</p> <p>steps 190:12</p> <p>Steve 184:2 190:3 193:11 196:18 202:21 219:16 223:5 224:3 233:1 236:6 239:25 253:10 268:3 286:5</p> <p>Steven 262:14,15 282:14,15</p> <p>sticker 229:18</p> <p>stimulate 220:6</p> <p>stip 249:9 257:8</p> <p>stipulated 258:8,17</p> <p>stipulation 180:10 182:23 184:1 186:1,20 188:5,7,22 190:10 192:17,22,23 193:2</p>	<p>194:11 199:1 203:19 215:12 218:6,12,21 230:1 242:10 255:6 256:2,9 257:2 259:11 273:15 274:8,12,18, 24,25 275:18,21,23 276:9,13 278:11</p> <p>stop 183:2 216:7</p> <p>streaming 182:1</p> <p>Street 180:22 182:5,9</p> <p>structure 202:9 216:25 240:13</p> <p>stuck 233:8,10</p> <p>stuff 183:6 229:4,11 232:10 246:25 255:12 273:6</p> <p>subject 247:2</p> <p>submetering 190:12</p> <p>submit 274:17 277:25</p> <p>submits 257:18</p> <p>substantial 215:17</p> <p>substantially 200:25 206:6 208:24 209:7,12 211:10,18,20 248:19, 22 278:12</p> <p>substitute 282:18</p> <p>subsumed 273:22</p> <p>success 259:15</p> <p>successful 219:22 225:15</p> <p>succinct 253:15</p> <p>sufficient 231:18</p> <p>suggest 216:23</p> <p>suggestion 271:1</p> <p>suite 181:15 182:5,9 236:14</p> <p>summer 186:22,25 190:18 191:9 204:20 210:17,25 212:16 214:22 215:13,20 237:13 241:5,6</p>	<p>super 229:8</p> <p>supplemental 264:3, 24,25 283:14 285:3,5</p> <p>supporting 224:1</p> <p>supportive 223:20</p> <p>suppose 198:18 258:14</p> <p>supposed 239:1</p> <p>surprised 206:19</p> <p>surrebuttal 261:13 264:24,25 265:24 270:6 280:7 285:3,5, 11 286:22</p> <p>surround 230:20</p> <p>suspect 223:12</p> <p>sustainability 188:16</p> <p>swapped 197:1</p> <p>swear 183:1,22</p> <p>switch 234:3 243:13, 23</p> <p>switching 233:14 243:10</p> <p>sworn 183:22 186:9 279:5</p> <p>system 196:22 206:8 212:22 226:12 228:17 241:12</p> <hr/> <p style="text-align: center;">T</p> <hr/> <p>table 277:6</p> <p>tables 208:21</p> <p>tail 215:14 216:17,18</p> <p>taking 223:2 232:6</p> <p>talk 184:1,2 197:25 199:15 205:4 213:20 217:8,12 235:11 242:20 244:22</p> <p>talked 183:4,5 199:12 201:6 205:12 213:2</p>
---	---	--	---

215:4 252:14	television 231:20	thereto 279:12	time-bearing 203:4
talking 187:12 199:12 227:19 229:7 230:21	temperatures 191:6	therewith 270:5	time-of-- 204:19
target 244:23	ten 258:13,20,22	thermostat 191:6 219:7	time-of-use 185:11 190:4 191:7 203:5 204:13,24 205:21,24 208:20,25 209:2,5,17 211:7,15,21 215:4,19 216:13 218:8,13,14, 16,23 219:6,24 221:4, 12,15,19 222:3,5,7,16, 17,25 223:6,16,17,20 224:7,13 225:5 226:4, 7,18 227:7,18,19 228:4,6 229:15,17,20 235:24 236:1,9,25 237:8 240:8 245:25 246:5,10,12,25 247:2 252:3,13 254:19
targeted 192:4	ten-minute 247:23	thing 205:6 217:7 224:13 227:20 229:14 241:14 263:14 272:19 273:19 276:18	time-varying 241:19
targeting 213:17	tens 235:3 244:20	things 184:16 212:12 213:20 214:18 219:10 228:21 229:24 236:21 238:8 253:1 255:5 272:13	timeline 259:10,13
tariff 193:8 236:8 246:14 247:5,10 253:11,19 254:3 255:4 256:10,12,24 258:7	term 251:5 252:22	thinking 193:22 212:14 218:22 228:19	timely 238:22 277:6
Tariff's 180:6	terms 217:19 238:4 239:6	Thomas 261:25 262:1 281:9,11	times 191:6 197:11 200:3 231:4 234:3 235:1
tariffs 233:13 243:16 246:6 247:8,11 255:5, 14,16,20,24 256:2,3,9 257:3,15,16 258:3,9, 23 259:1,4	territory 221:14 238:17	thought 188:21 212:5 231:20 232:16,22 248:11 251:13 253:18 263:6 266:21	timing 241:2 259:19 271:25
task 237:2	testify 272:20	thousands 235:3 244:20,21	today 180:8,9 181:7 182:25 183:18,25 184:25 185:21 186:4, 19 222:17 224:23 232:4 252:14 259:22 260:6 261:7,13 263:5 265:21 266:11 271:22 272:2,3
Tatro 180:14 183:21, 25 186:14 193:18,21 194:1,5,15,18,21,24 195:2,6,9,16 196:3,8, 12 198:16,23 199:7,22 200:8,17,24 201:11, 14,18 202:5,11,20 231:1,18,22 232:18 233:1,10,13,19 234:4, 11,16,18,22 235:4,14, 18 238:23 239:10,14, 19,25 243:12 248:7, 10,21 251:9,12 252:25 253:10,16,20 254:6 255:18 256:13 257:5, 20 258:22 260:14,16 261:8 262:24 271:1,3, 23,24 272:5,9,11,13, 23 273:12 275:5 276:6	testimonies 262:16	three-part 191:15,25 221:5	today's 260:8
teach 230:5	testimony 184:22 185:11,12,15 190:3 201:6 203:2,10 206:24 207:13,16 208:22 212:2 213:11 223:4,19 227:8 236:16 237:15 260:1 261:5,6,9,10,14, 15,16,17,18,19,20,21, 22,24,25 262:1,2,3,4, 6,7,8,10,11,12,13,14, 15,23 263:10 264:1,4, 5,7,8,9,10,11,12,13, 14,15,16,17,18,20,21, 22 265:21,22,23,24,25 266:1,3,6,7,8,9,11,19 267:7,9 268:2,3,22 269:8,9,10,11,12,14 270:4,6,8 271:12 272:16 275:18,20,25 276:3 279:4,6 280:4,6, 7,9,10,13,15,16,18,19, 21,22,24 281:3,5,6,8, 9,11,12,14,15,17,18, 20,21,23,24 282:3,5,6, 8,9,11,12,14,15,18 283:8,14,16,17,19,20, 22,23,25 284:3,5,6,8, 9,11,12,14,15,17,18, 20,21,23,24 285:3,5,8, 10,11,13,14,16,17,19, 20,22,24 286:3,5,8,10, 12,13,15,16,18,20,22, 23 287:3	three-period 191:7	Todd 261:14 280:9
team 231:6	territory 221:14 238:17	throw 205:5	told 248:11 258:20
technical 182:14	testify 272:20	Thursday 273:2	tool 192:13,15 195:19 243:6,21
technically 247:14	testimonies 262:16	Tim 181:23	tools 242:23 243:3
technological 190:7	testimony 184:22 185:11,12,15 190:3 201:6 203:2,10 206:24 207:13,16 208:22 212:2 213:11 223:4,19 227:8 236:16 237:15 260:1 261:5,6,9,10,14, 15,16,17,18,19,20,21, 22,24,25 262:1,2,3,4, 6,7,8,10,11,12,13,14, 15,23 263:10 264:1,4, 5,7,8,9,10,11,12,13, 14,15,16,17,18,20,21, 22 265:21,22,23,24,25 266:1,3,6,7,8,9,11,19 267:7,9 268:2,3,22 269:8,9,10,11,12,14 270:4,6,8 271:12 272:16 275:18,20,25 276:3 279:4,6 280:4,6, 7,9,10,13,15,16,18,19, 21,22,24 281:3,5,6,8, 9,11,12,14,15,17,18, 20,21,23,24 282:3,5,6, 8,9,11,12,14,15,18 283:8,14,16,17,19,20, 22,23,25 284:3,5,6,8, 9,11,12,14,15,17,18, 20,21,23,24 285:3,5,8, 10,11,13,14,16,17,19, 20,22,24 286:3,5,8,10, 12,13,15,16,18,20,22, 23 287:3	time 183:10 186:7,17 189:20 191:16 192:16, 21 193:14 194:7,8,16 197:12 199:3,8 204:2 207:6,17,23 208:11 215:16 222:19 223:23 224:23 225:1,25 226:1 227:12,15,20 228:3 229:10,12 237:12,17 238:19 240:9 242:10 243:18 244:21 245:4, 7,18 247:21 255:9 256:5 257:24 259:13 265:17 266:24 267:4 268:13 269:24 272:24 275:19 276:3	top 188:25 189:3 225:21 254:18
tee 274:21	that'll 274:3	total 189:6 194:25	tossing 276:23
telephone 232:14			

<p>195:3 TOU 215:6 239:24 240:2 tough 276:18 track 238:2 traditional 189:5 training 223:8 transaction 193:1 256:15 transcript 272:4 transportation 200:24,25 216:4 treat 275:23 treating 275:19 treatment 259:1 trend 215:25 trends 217:8 Trina 262:5 281:18 trouble 182:1 239:3 True 270:22 true-up 200:6,12 turn 186:14 188:15 201:14 250:2 turned 263:8 Tweet 232:9 two-thirds 228:1 240:3 tying 244:6 type 211:7 212:14 215:7 typewriting 279:7 typical 208:10,11,19 240:25 258:19 274:16 typically 257:5 258:2, 6,7</p>	<hr/> <p>U</p> <hr/> <p>UARG 250:3,11 Ultimate 191:14 219:13 224:6,17,21 240:21 243:24 247:12 254:22 ultimately 255:21 umbrella 260:20 unclear 275:17 undergoing 231:14 understand 194:14 205:22 209:9 229:16, 24 230:10 231:5,8,9 238:5 253:20 understanding 218:19 220:20 Understood 277:17 undertaking 237:3 underway 257:13 Undoubtedly 230:13 Union 180:3,5 unit 187:25 188:2 United 208:10 250:5 units 187:24 188:1 235:1 universe 213:19 unmute 180:4 unrealistic 240:2 unreasonable 258:21 unsatisfactorily 209:13 update 253:16 254:4 updated 198:17 229:11 updates 198:12,17 upload 235:6,8</p>	<p>uptake 207:19 226:10 uptick 208:4 216:9 220:15 US-- 250:6 usage 188:12 189:6, 13,24 190:5,25 192:14 195:14 205:17 211:4 213:25 216:16 225:17 226:11 230:7 240:16 241:2,14 242:13 USWAG 250:13 utilities 203:4 208:9, 15,24 209:11 244:19 utility 190:9 208:19 232:15 250:12,14,16 utility's 244:17 utilized 237:21 UWAG 250:15</p> <hr/> <p style="text-align: center;">V</p> <hr/> <p>variation 210:16,25 211:3 222:19 variety 189:7 vary 241:16 varying 191:16 207:23 vehicle 190:6 212:19 213:8 214:2,14,19 216:10,11,15,19 vehicles 212:8 216:24 239:8 version 250:24 versions 263:21 versus 197:16 view 205:21 217:10 218:18 viewpoint 188:6 virtually 259:9 volume 209:24</p>	<p>vote 274:8 vulnerable 268:12 Vuylsteke 181:14</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>wait 196:16 221:24 243:19 waiting 254:21 waive 277:22 278:2 waiver 258:14 waivers 198:7 waives 277:15 walk 188:17 203:17 Walters 269:11,14 286:13,18 wanted 187:9 188:20 197:20 213:22 223:21 233:7 259:21 260:5 261:4,7 265:17 267:4 273:1 275:9 277:10,19 wanting 227:18 229:16 Warren 261:10 280:4 Wars 229:6 Waste 250:14 water 250:1,16 wave 245:6 ways 200:3 221:18 weather 210:23 211:4 weatherization 185:12 238:12,16 239:2 260:1 Weber 262:12,13 282:9,11 Webster 182:9 Wednesday 272:21, 24 273:3 week 191:13 262:17 263:8 264:17,19,23</p>
--	--	---	--

270:25 272:1,20 275:15 277:12,21 278:14 week's 257:1 260:9 weekdays 191:9 214:22 241:7 weekend 226:8 weekends 191:12 weeks 273:21 well-designed 219:13,18 224:12 well-promoted 219:18 Wendy 180:14 West 216:9 217:2 Westen 181:5,6 185:4,10 259:24 267:14 277:20 WESTON 267:5 wheels 223:8 white 224:22 Wibbenmeyer 262:14 282:12 Wildhaber 184:11 Williams 261:14 280:10 Wills 184:2 190:3 196:15,18,21 197:13 198:14 202:19,22,24 203:1,12,15,23 204:1, 6,20 205:1,15 206:1, 16 207:12,22 208:1,6, 13,17 209:14 210:5, 10,16 211:8,16 212:1 213:5,16 214:8,11,24 215:7,15,22 216:14 217:5 218:2 219:16 223:5 224:3 225:1,2,7, 22 226:15,18,22 227:4,10,22 228:8 229:22 230:13,21 236:6 237:7,9,14,23 240:6,16,23 241:25 242:9,15 243:6 244:4,	11,15 245:2,24 246:11,21 247:4,14,18 253:22 254:14,17 262:14,15 282:14,15 window 212:10 213:9 227:12 windows 205:7 winter 190:20 204:21 210:24 withd 188:7 withhold 254:11 witnesses 183:1,2, 15,21 184:6,7,21,25 185:7,20 186:7,9 262:5 272:25 273:2 Wood 261:10 280:4 Woodsmall 181:10, 11 185:14 267:23 268:9,11 words 211:5 223:23 work 183:8 192:18 196:12 199:5,13 200:1 227:21 247:10,12 251:7 255:16 275:2 276:16 278:10 worked 184:16 227:25 231:13 working 183:11 192:16 197:24 199:23 200:19 231:6 246:14, 15 247:7 255:22 257:6 works 275:8 workshops 238:8 world 205:4 worth 195:25 233:21 237:19 274:2 276:24 Wow 262:5 wrapped 272:8 write 247:15 writing 278:1 wrong 234:23	<hr/> Y <hr/> year 187:20 190:19 192:20 235:1 239:1 years 197:5 209:6 217:16 223:7 225:10 227:17,18 235:17,19 237:19 240:8 yesterday 272:14 you-all 261:5 270:25 Young 264:23 284:24 <hr/> Z <hr/> ZIP 180:23
---	--	---