

1 STATE OF MISSOURI  
2 PUBLIC SERVICE COMMISSION  
3  
4 TRANSCRIPT OF PROCEEDINGS  
5

6 Evidentiary Hearing  
7 October 26, 2016  
8 Kansas City, Missouri  
9 Volume 2  
10  
11

12 James Dickson and Angela Dickson, )  
Complainants, )  
13 )  
vs. ) File No.  
14 ) EC-2016-0230  
)  
15 KCP&L Greater Missouri Operations )  
Company, )  
16 Respondent. )  
17

18 KIM S. BURTON, Presiding  
19 SENIOR REGULATORY LAW JUDGE  
20  
21

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1 A P P E A R A N C E S

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3 THE COMPLAINANTS JAMES DICKSON and ANGELA DICKSON

4 APPEAR PRO SE:

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8 FOR STAFF OF THE MISSOURI PUBLIC SERVICE COMMISSION:

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18 FOR KCP&L:

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25

1 P R O C E E D I N G S

2 JUDGE BURTON: Let's go ahead and go  
3 on the record. I'm showing the time is approximately  
4 10:30 a.m. on October 26, 2016. The Missouri Public  
5 Service Commission has set this time for an  
6 evidentiary hearing in File No. EC-2016-0230 in the  
7 matter of James Dickson and Angela Dickson,  
8 Complainants, versus KCPL Greater Missouri Operations  
9 Company, Respondents. We are located at the Fletcher  
10 Daniels State Office building at 615 East 13th Street  
11 in Kansas City, Missouri, and I am Kim Burton, a  
12 regulatory law judge with the Missouri Public Service  
13 Commission.

14 At this time I would ask the parties  
15 to enter their appearance for the record, and we'll  
16 go ahead and begin with the complainants, Mr. and  
17 Mrs. Dickson.

18 MR. DICKSON: James Dickson.

19 MRS. DICKSON: Angie Dickson.

20 JUDGE BURTON: Thank you. And on  
21 behalf of the Kansas City Power & Light Greater  
22 Missouri Operations Company?

23 MR. STEINER: My name is Roger W.  
24 Steiner. My contact information has been given to  
25 the court reporter.

1 JUDGE BURTON: On behalf of the Staff  
2 of the Missouri Public Service Commission?

3 MR. WILLIAMS: Thank you, your Honor.  
4 Appearing on behalf of Staff is Hampton Williams. My  
5 information has also been provided to the court  
6 reporter.

7 JUDGE BURTON: Now, at this point I  
8 don't believe that there are any other parties  
9 present. I don't see anyone from the Office of the  
10 Public Counsel and I'm not seeing any hands or anyone  
11 else indicating that they are here to be present as  
12 counsel. I would remind all people who are either  
13 participating or observing to please silence all of  
14 their electronic devices at this time.

15 Now, this complaint was previously  
16 filed and we did have a prehearing conference in the  
17 past. Normally what we do is we allow for opening  
18 statements from the parties and then an opportunity  
19 for the complainants to present their witnesses with  
20 an opportunity for cross examination by counsel for  
21 KCP&L Greater Missouri Operations, Staff, and myself  
22 and an opportunity for redirect, and it will then  
23 proceed with the other parties having an opportunity  
24 to present their own witnesses. Does this seem  
25 acceptable to all the other parties since this is a

1 little bit different from some of the other  
2 complaints we've had.

3 MR. DICKSON: Yes.

4 JUDGE BURTON: Okay. Now, at this  
5 point I don't know if the Dicksons, if you guys would  
6 prefer to have one person speak or for you both to  
7 speak for the opening statement?

8 MR. DICKSON: I'll do the opening  
9 statement.

10 JUDGE BURTON: Okay.

11 MR. DICKSON: Thank you for the  
12 opportunity to discuss our concerns with the smart  
13 meter which was placed on our home. The issues  
14 involved with smart meters are both complex but  
15 simple. Three main points I want to address today  
16 are the fact that there is sufficient evidence to  
17 bring into question the safety of smart meters and  
18 also the legality of collecting the data.

19 According to Missouri Statute Title 15  
20 for regulations of certain utilities and carriers,  
21 Section 393130.1 states every gas corporation, every  
22 electrical corporation, every water corporation, and  
23 every sewer corporation shall furnish and provide  
24 such service safe and adequate in all respects just  
25 and reasonable. Safe, according to Webster's

1 Dictionary, means free from harm or risk, unhurt.

2 Secure from the threat of danger, harm, or loss.

3 We will be able to provide information  
4 that will show that there's reasonable doubt that the  
5 meters continue to be safe both as a fire hazard and  
6 long-term of being hit by the waves from the meters,  
7 that there are long term health concerns for our  
8 family as well as citizens of Missouri.

9 JUDGE BURTON: Thank you.

10 Mr. Steiner?

11 MR. STEINER: Thank you. I'll just  
12 sit. The AMI meter installed at the Dicksons' home  
13 in January is not new technology. The RF, which  
14 means radiofrequency, technology has been  
15 successfully deployed in the KCP&L territory for over  
16 20 years. Nationwide electric companies have  
17 installed over 65 million smart meters covering more  
18 than half of U.S. households. The AMI technology is  
19 approved by the Federal Communications Commission and  
20 meets the American National Standards Institute,  
21 which is known as NTSI, standards.

22 The FCC sets limits on RF exposure  
23 limits for humans and AMI meters are well below these  
24 limits. Our technology allows the company and the  
25 meter to communicate with each other for usage

1 measurement and diagnostic purposes. So if the meter  
2 would go off, if the power would go off, it would  
3 send a signal saying the power is off at this house,  
4 we'd be able to dispatch someone to look at that.

5 This signal that's sent out is an  
6 electromagnetic wave and it's commonly used in the  
7 telecommunications industry. That signal is not a  
8 constant signal, it goes in short bursts, very short  
9 bursts every four hours or so and it's less than a  
10 second's duration. This means that for the vast  
11 majority of the time the meter does not emit any RF  
12 signal.

13 This RF signal is of lower intensity  
14 than a cell phone signal or a signal from a Wi-Fi  
15 router. Digital meter has electricity into it. It's  
16 just like any other electronic device. It produces  
17 an electromagnetic field. This field does not pose  
18 any health risks. I have Julie Dragoo with me who  
19 manages the company's meter reader department and she  
20 is here to testify concerning the safety and  
21 operation of the AMI meter.

22 Even though the AMI meters are safe,  
23 they have a long track record. The Dicksons can have  
24 their meter read manually, if they choose to do so,  
25 and they can do this without any order from the

1 Commission in this case. The Dicksons can soon take  
2 advantage of a GMO opt-out tariff, which will  
3 establish the GMO flat rate case, which will allow  
4 them to have a digital meter installed at their house  
5 that does not have communication capabilities. That  
6 means it is not transmitting those RF signals.  
7 Someone would go out to their house from the company  
8 and read it.

9 That manual read would cost an  
10 additional charge to pay for that person, but that  
11 option will soon be available to the Dicksons. Those  
12 GMO tariffs go into effect December 22nd. The  
13 company requests that since the Dicksons have the  
14 opt-out option available to them, the Commission  
15 should dismiss this complaint. Thank you.

16 JUDGE BURTON: I'm just going to ask  
17 some brief questions real quick. Can you identify  
18 what the file number was for the GMO general rates  
19 case.

20 MR. STEINER: ER-2016-0185, I believe.  
21 0156, thank you. Anthony, my expert paralegal.

22 JUDGE BURTON: Before we hear from  
23 Staff, would the Dicksons like to have an opportunity  
24 off the record to discuss this option with the  
25 representatives for GMO?



1 MR. DICKSON: We don't believe having  
2 to pay to have our meter read to keep us safe from  
3 the electric pulses is reasonable. For years they  
4 came out and read it for free. They should be able  
5 to do that. In addition, there's proof around the  
6 country that when they do the digital ones, they  
7 still emit the same amount of dirty electricity and  
8 emit signals, so we don't believe that what they're  
9 going to put on our house would eliminate that.

10 We requested an analog, which we were  
11 able to purchase one. We wanted an analog which has  
12 been on for decades on houses where there were no  
13 issues of fires, no issues for emittance, and they  
14 have safety standards, which the current ones don't  
15 have, such as a surge arrester and different things.

16 They testified that these things are  
17 safe, but yet you can go around the country and see  
18 Commissions like this. You can see different court  
19 cases where it's quite evident that these are  
20 catching on fire, causing harm to property damage and  
21 in some cases death.

22 In addition, we have submitted  
23 evidence showing that what they're saying is safe,  
24 they're not taking into effect the cumulative effect.  
25 Our house has a meter. Both houses next to us, their

1 meters hit our house, so this is what every company  
2 is doing. The gas company, electric company,  
3 everyone is saying, Well, ours is under standard.  
4 What about the cumulative effect? I'm being hit by  
5 three electric meters. I'm being hit by three gas  
6 meters.

7 JUDGE BURTON: We'll give you an  
8 opportunity to testify later. What would the cost be  
9 for a homeowner?

10 MR. STEINER: There's an initial  
11 signup fee of \$150 for the purchase of this  
12 non-communicating reader and then there's a \$45 a  
13 month fee to pay for the meter reader. Again, we  
14 have to develop an entire system to get this read.  
15 Staff for the Commission has approved that amount.  
16 That's been agreed to in a stipulation agreement in  
17 that rate case and the Commission has approved that  
18 agreement. So the Commission believes that we should  
19 be able to recover for the extra cost for manual  
20 meter reading and they believe that that rate is  
21 reasonable.

22 JUDGE BURTON: Thank you. The  
23 Commission at this point is going to take your motion  
24 to dismiss under advisement and we'll go on and  
25 proceed. At this time we'll hear the opening

1 statement from the Staff for the Missouri Public  
2 Service Commission.

3 MR. WILLIAMS: Thank you, Judge. Very  
4 briefly I'd just like to state that the Dicksons'  
5 identification of Staff's authority regarding the  
6 safe and adequate provision of service is accurate.  
7 Further I'd like to state that Section 386.310  
8 provides authority to the Commission to recommend the  
9 use of devices so as to promote and safeguard the  
10 health and safety of the company's employees, its  
11 customers, and the general public. So we certainly  
12 do have authority over circumstances like this.

13 Since the prehearing conference, Staff  
14 as well as the company conducted a site inspection of  
15 the meter at issue. I intend to provide both Staff's  
16 memorandum, which was drafted and submitted into the  
17 case file on May 13th, as well as the inspection  
18 report, which was conducted and submitted into the  
19 case file on August 31st as exhibits. And Charles  
20 Poston, who drafted those reports, is available for  
21 examination for both parties. And with that, that  
22 will conclude our statement.

23 JUDGE BURTON: Thank you. At this  
24 point, Mr. Dickson, Mrs. Dickson, you may call your  
25 first witness.

1                   MR. DICKSON: We have no witnesses to  
2 call. We do have documents that we have submitted  
3 and would like to reference, if that is permitted.

4                   JUDGE BURTON: If there is any  
5 document that you would like to have admitted into  
6 the record, meaning that you want it to be part of  
7 the file for the Commission to review and consider  
8 when making its decision, then it would need to be  
9 offered and admitted into the record. So at this  
10 point have you provided copies? I know that there  
11 were documents that submitted through EFIS. That is  
12 simply the case file, it is not actually the record  
13 as far as the legal transcript.

14                  MR. DICKSON: Our understanding was  
15 that's how we were supposed to submit everything, so  
16 we have submitted everything through EFIS using our  
17 case number. That's the instructions we were given.

18                  JUDGE BURTON: Who gave you that  
19 instruction?

20                  MR. DICKSON: When they were at our  
21 house. I said, What do we need to do? They said to  
22 submit everything through the electronic format. You  
23 need to submit it with your case number. It was not  
24 clearly explained to us. I got your E-mail yesterday  
25 and I was like, Well, this is interesting, you

1 referenced evidentiary -- in fact, when they were at  
2 my house, I asked them to E-mail me if there's  
3 anything I need to know about evidentiary and they  
4 said they would, and I never received anything  
5 different from what they told me there was submitted  
6 electronically.

7 JUDGE BURTON: At this point I'm going  
8 to ask if there are any objections to the documents  
9 that were submitted through the EFIS system being  
10 admitted into the record.

11 MR. STEINER: Yes, your Honor, I  
12 object to all of them being inadmissible hearsay. I  
13 don't have the ability to cross examine any of the  
14 authors of those reports. I don't believe the  
15 Commission can use those reports because they're  
16 hearsay in their order in this case.

17 JUDGE BURTON: To clarify, counsel for  
18 GMO is stating an objection that the documents that  
19 were submitted into EFIS, or that you're asking they  
20 be considered by the Commission and entered into the  
21 record, are out-of-court statements that are offered  
22 for the truth of the matter asserted. In this case  
23 standard rules of evidence apply where we need to  
24 have some foundation, some standard of either the  
25 person who wrote the documents or an expert who

1     relied on those documents or any other exceptions to  
2     the hearsay rule. Do you have any exceptions to the  
3     hearsay rule to offer?

4                   MR. DICKSON: No, your Honor.

5                   JUDGE BURTON: At this time I'm going  
6     to sustain that objection. However, I will allow  
7     time for a post hearing motion or brief to be filed  
8     on that issue, if you would like.

9                   MR. DICKSON: Thank you, your Honor.

10                  JUDGE BURTON: Now, are there any  
11     additional documents or statements that you would  
12     like to offer? Because I would like to ask you some  
13     questions for the record.

14                  MR. DICKSON: Could I ask one of their  
15     individuals who's in charge of the program questions  
16     regarding the meters?

17                  JUDGE BURTON: You absolutely will  
18     have an opportunity for cross examination when they  
19     call that witness or if they don't, I will give you  
20     an opportunity to perform a direct examination.

21                  MR. DICKSON: Am I permitted to just  
22     do a statement?

23                  JUDGE BURTON: Yes, but if you're  
24     going to provide a statement, I'm going to ask that  
25     you come up here to the witness stand. I know we're

1 a little bit informal, but this way Mr. Steiner will  
2 be able to see your face and counsel and witnesses  
3 will be able to see you.

4 At this point I'm going to ask you to  
5 raise your right hand. Do you swear or affirm that  
6 the statements you are about to give will be the  
7 truth, the whole truth, and nothing but the truth?

8 MR. DICKSON: Yes.

9 JAMES DICKSON,  
10 being first duly sworn, testified under oath as  
11 follows:

12 JUDGE BURTON: Could you please state  
13 your name for the record?

14 MR. DICKSON: James Dickson.

15 JUDGE BURTON: Where do you currently  
16 reside?

17 MR. DICKSON: 11005 North Brooklyn  
18 Avenue, Kansas City, Missouri.

19 JUDGE BURTON: How long have you  
20 resided there?

21 MR. DICKSON: Ten years come  
22 Thanksgiving.

23 JUDGE BURTON: How long have you been  
24 a customer of KCP&L GMO?

25 MR. DICKSON: I believe the whole

1 time. I can't remember if the power company was  
2 bought. At some point I think the name changed, but  
3 I don't know how that all works.

4 JUDGE BURTON: Thank you. Now I  
5 believe you'd like to offer a statement?

6 MR. DICKSON: Our family has been  
7 affected by the smart meter. Our two-year-old who is  
8 now two immediately upon it being put on obtained  
9 rashes. We had insomnia. We had other health  
10 issues, headaches throughout our family. Because of  
11 this we started investigating the effects of smart  
12 meters and was astonished by what we found out  
13 throughout the country, what's happening in both  
14 America and Canada regarding smart meters, both the  
15 fire hazard and the long-term effect of the constant  
16 emittance of the signal.

17 JUDGE BURTON: When did you begin your  
18 investigation?

19 MR. DICKSON: Shortly after it was put  
20 on our house. I don't recall the exact month.

21 JUDGE BURTON: And when did your  
22 family -- you mentioned the two-year-old.

23 MR. DICKSON: It was immediate that it  
24 was put on.

25 JUDGE BURTON: Within five minutes?



1 MR. DICKSON: I would say it was  
2 within that day.

3 JUDGE BURTON: What were the symptoms?

4 MR. DICKSON: He immediately broke out  
5 in a rash.

6 JUDGE BURTON: And how old was the  
7 child?

8 MR. DICKSON: At that time I guess he  
9 would have been somewhere between a year, year and a  
10 half. We took him to the doctor. The doctor  
11 provided us a note recommending that the smart meter  
12 be removed from our house. We provided that and they  
13 refused to remove it.

14 MR. STEINER: I'm going to object to  
15 the mention of that as being inadmissible hearsay.

16 JUDGE BURTON: Which part?

17 MR. STEINER: The doctor's note. I  
18 don't have a chance to ask the doctor about what kind  
19 of test was performed.

20 JUDGE BURTON: I'm going to go ahead  
21 and overrule that objection. You can continue.

22 MR. DICKSON: Beginning at that time  
23 we started doing our research. My research has  
24 revealed that when it comes to the analog meters,  
25 which used to be on the house, there was really no

1 issues regarding fires or anyone saying that they  
2 were having health concerns. But from what I have  
3 seen throughout the country there are numerous people  
4 now that are very sensitive to the smart meters.

5                   The analog meters have a surge  
6 arrester. The smart meters do not have a surge  
7 arrester which affects the ability of it to take the  
8 surge to the ground. In addition, the smart meters  
9 are made much cheaper. They have a plastic back  
10 while the old ones, the back plate was metal alloy.  
11 Which everyone knows the plastic has a lower melting  
12 point and all that, so that made it unsafe.

13                   In addition, these smart meters do  
14 have a remote disconnect which puts you in danger  
15 because it can create arcing. The smart meters are  
16 having arcing. This is also due to thinner blades  
17 than what the analog meters had, installers damaging  
18 the bases when they put them in.

19                   JUDGE BURTON: Have you had any of  
20 those problems at your house?

21                   MR. DICKSON: At our house we have not  
22 had them yet, but the fact that they do have thinner  
23 blades leaves that potential for arcing. The problem  
24 is these meters are not made to take surges as well  
25 as analog meters. So when a surge occurs, that's

1 when you typically see them blowing and fires being  
2 caused since they do not have a surge arrester, which  
3 for electrical components is mind-boggling that they  
4 would not put that in a smart meter.

5 The meter that we have on, I was able  
6 to find it on the Internet. I believe it's a Sensus  
7 meter. In Pennsylvania they had 26 cases of them  
8 blowing up, an article from 9/7/2012. There's also  
9 an apartment complex that caught on fire, an article  
10 in 2014. There are numerous cases. The issue with  
11 proving that the smart meter caused it, and I would  
12 ask them to confirm, is the electric companies come  
13 out and remove the smart meters prior to a thorough  
14 investigation. Which if any of us removed evidence  
15 from a fire scene, we would be arrested for  
16 tampering, but they say it's their property and they  
17 go out and remove it. Because of that there's not a  
18 thorough cause and effect fire evaluation.

19 In addition, when we requested  
20 evidence on how many fires were caused by these, they  
21 said, Well, none have been caused. But I do want to  
22 point out that the KCC Commission informed KCP&L just  
23 in an article from September of this year that they  
24 were not documenting these fire investigations well  
25 and that the Staff recommended that Westar and KCP&L

1 file annual reports with analyses of fires associated  
2 with electrical fires. So they were even cautioned  
3 by the Kansas department that they were not  
4 investigating or documenting what's occurring with  
5 these correctly. So I find it disingenuous when they  
6 say fires are not being caused when they were  
7 actually told they weren't doing proper  
8 investigations.

9 MR. STEINER: I'm going to object to  
10 that characterization of what the Kansas Corporation  
11 Commission said. That's not what they said. We can  
12 put the order in the record, if you want.

13 JUDGE BURTON: I'll go ahead and  
14 sustain that to any reference to what the  
15 observations and the rules are for the Kansas  
16 Commission at this time. You may continue.

17 MR. DICKSON: Can I request that the  
18 Kansas Commission be added into evidence?

19 JUDGE BURTON: I'll provide some time  
20 after the hearing if you would like to submit a copy  
21 of those orders for the record.

22 MR. DICKSON: In addition from  
23 investigation regarding smart meters, they release  
24 what is called dirty electricity which makes  
25 individuals sick. There's radiation that surrounds

1 all electric appliances, home wiring communications,  
2 voltage transients such as dirty electricity are  
3 released.

4 As earlier stated, they said that the  
5 pulses are not constant; however, when they did come  
6 to test my house and my neighbor's house and they put  
7 the meter tester up there, it was constant every few  
8 seconds. It went boom, boom, boom. So to say that  
9 it happens once every four hours is just not  
10 accurate.

11 This is the same testimony that I have  
12 seen given by electrical companies throughout the  
13 country, but when their own investigation is done,  
14 smart meters can give off as many as 190,000 impulses  
15 a day. That is more than once every four hours. I  
16 would request they produce any evidence that shows it  
17 only goes off every four hours. That would mean it  
18 would only have 16 to 20 pulses a day. When they  
19 were at my house, it pulsed that many times when they  
20 had the meter up, so something does not add up.

21 I do also want to point out that  
22 wireless exposures are now classified by the world's  
23 highest authority on cancer assessment, the World  
24 Health Organization International Agency For Research  
25 on Cancer to be a possible risk to health. So as

1 they say they are safe, the World Health Organization  
2 is saying that they are considering them a possible  
3 risk to health.

4 The other thing about smart meters is  
5 the constant -- we are constantly being hit  
6 involuntarily. I do not want to be hit by these  
7 pulses 24/7 while in my house. I believe I have a  
8 right to be in my house safe from these pulses and  
9 radiation. And the fact that I am being hit by my  
10 neighbors, the gas meters, electric meters from all  
11 these houses, when they say that their standard is  
12 fine with that, every company is attempting to say  
13 we're under it, but no one is saying what is the  
14 cumulative effect. When you add it all together,  
15 it's over the safety standard.

16 In addition, the safety standards that  
17 were set by the FCC are for adults, not for children.  
18 From reviewing studies the effect on young children,  
19 especially fetuses and very young children is much  
20 more harmful to them and that's not being taken into  
21 consideration either. The bioeffects can occur  
22 within just seconds of being in front of a meter.

23 What I did find interesting too when  
24 they came out and did the meter, I asked if they  
25 could come in my house and do it and they said there

1 would be no need. I found it interesting that they  
2 did not want to take a reading of the actual effect  
3 of what's happening in my house.

4 JUDGE BURTON: Can you clarify what  
5 you mean by that? Who was this and when?

6 MR. DICKSON: It was the man that was  
7 actually holding the meter. I said, Can we go into  
8 my house and take a reading by the wall, and he said,  
9 No, we're just taking a reading from outside.

10 JUDGE BURTON: You're talking about  
11 someone from the company after the complaint was  
12 filed?

13 MR. DICKSON: Yes, it was when  
14 everybody was out there.

15 JUDGE BURTON: Do you recall when that  
16 was?

17 MR. DICKSON: They would have the  
18 date. I would defer to whatever date they had.

19 JUDGE BURTON: Okay.

20 MR. DICKSON: I asked them to come in  
21 and take a reading inside and he said, We're just  
22 going to take it outside. Which I thought was  
23 interesting because if there's no harm inside my  
24 house, why wouldn't you want to come in and prove  
25 that.

1                   As I said earlier, these pulses are  
2   involuntary and continuous. The smart meters have  
3   not been tested by the Underwriters Laboratories and  
4   do not carry the UL label required for electronic  
5   devices. The Underwriters Laboratories have a  
6   116-year record and have over 1,000 standards for  
7   safety.

8                   JUDGE BURTON: Could you clarify? UL  
9   label or labor?

10                  MR. DICKSON: Label. They have not  
11   been tested by Underwriters Laboratories and I would  
12   question why, if these are so safe, you would not  
13   have these smart meters tested by Underwriters  
14   Laboratories because they are one of the standards  
15   when it comes to safety of electronic things.

16                  Also, in our original complaint I  
17   pointed out that No. 6 metering 6.04 meter reading  
18   states each meter in each such district will be read  
19   monthly on or about the same day of the month. There  
20   is no requirement to have a smart meter constantly  
21   being read.

22                  In addition, 393.130.3 states no gas  
23   corporation, electrical corporation, water  
24   corporation, or sewer corporation shall make or grant  
25   any undue or unreasonable preference or advantage to



1 any person, corporation, or locality or to any  
2 particular description of service in any respect  
3 whatsoever, or subject any particular person,  
4 corporation or locality or any particular description  
5 of service to any undue or unreasonable prejudice or  
6 disadvantage in any respect whatsoever.

7                   Wanting to charge me \$45 and \$150 to  
8 remove an unsafe item from my house is prejudice. I  
9 should not have to do that when they came out for  
10 years. In addition, if they're having such cost  
11 savings from these smart meters, it should balance  
12 out to those individuals who are being medically  
13 affected to be able to have their meter read for  
14 free.

15                   Also in our complaint, Section 393.140  
16 states KC Water Services and KCP&L are not allowed to  
17 make any changes in rates and charges, rules and  
18 regulations and/or services unless ordered by the  
19 Commission. I don't believe they've been ordered by  
20 the Commission to change the rates. I would also say  
21 that the purpose of the smart meters was to save  
22 money, but yet KCP&L has again requested rate  
23 increases. So the whole reason they were going to  
24 have these is I guess not working because they asked  
25 for another rate increase.

1                   In addition, I believe smart meters  
2   and digital utility meters meet the statutory  
3   definition of unlawful surveillance devices put forth  
4   as wire tapping in the United States Code Title 18,  
5   Part One, Chapter 119, Section 2511, and other state  
6   and federal laws and those meter are designed and  
7   intended to record personal and private events and  
8   activities within private structures and properties  
9   which constitute violation of the United States  
10   Constitution Bill of Rights, Fourth Amendment,  
11   guaranteeing all people to be secure in their  
12   persons, houses, and to be free of search. No search  
13   of private property may be lawfully done without a  
14   valid ratified court order based on probable cause or  
15   by full informed consent of the occupants which I  
16   have not given the power company to monitor  
17   everything that occurs in my house.

18                  Also, because electromagnetic  
19   radiation is known to cause cancer and other diseases  
20   and injuries, installation of any meter with either  
21   an EMR transmitter, a switching mode power supply, a  
22   transformer or similar device on a private residence  
23   without consent of the occupants and property owner  
24   constitute assault under the United States Code Title  
25   18, Section 113. To attempt the installation of such

1 devices on virtually every private structure is quite  
2 clearly criminal misconduct on the part of those  
3 associated and complicit with that attempt.

4 JUDGE BURTON: Mr. Dickson, how old  
5 are you?

6 MR. DICKSON: I will be 46 in  
7 November.

8 JUDGE BURTON: Happy early birthday.

9 MR. DICKSON: Thank you.

10 JUDGE BURTON: Are you currently  
11 employed outside of the home?

12 MR. DICKSON: Yes. I'm assistant vice  
13 president for an insurance company.

14 JUDGE BURTON: And do you use cell  
15 phones, computers at work?

16 MR. DICKSON: I have a computer at  
17 work, but it's not a laptop, it's a land line, so I  
18 don't use Wi-Fi at work. I have a cell phone for  
19 work. It's on for work. When I come home, I shut it  
20 off. It's very rarely on except for the one day I  
21 work from home.

22 JUDGE BURTON: How many children do  
23 you have?

24 MR. DICKSON: I have three; 12, seven,  
25 and two.

1                   We had requested details from KCP&L  
2    regarding the frequency buying power values and  
3    exposure level to radiation the digital meters emit  
4    and they have not disclosed whether those frequencies  
5    can or cannot harm animals or humans. They just  
6    refer us to the FCC standard, but they have not  
7    provided us any more detailed information.

8                   KCP&L has not disclosed or obtained  
9    consent from customers with regard to what data will  
10   be collected by official meters of personal and  
11   private activities on private property, where that  
12   data will be stored, who will have access to that  
13   data, how that data will be shared and managed, how  
14   the subject of the data can be assured of privacy,  
15   how utility customers can review and correct any  
16   errors, how the data will be secured, how victims of  
17   privacy invasion or mishandling of private data will  
18   be compensated and restored, and how KCP&L claims to  
19   have gained the unconstitutional authority to record,  
20   collect, store, and distribute private and personal  
21   data taken from utility customers without informed  
22   consent.

23                   I have a lot of information regarding  
24   my concerns with the overall health effect of the  
25   smart meters. I believe from reading information

1 that the new studies from 2012 show that the smart  
2 meters --

3 MR. STEINER: Object, hearsay. Again,  
4 these studies are unnamed. I can't cross examine a  
5 person.

6 MR. DICKSON: The bio-initiative 2012  
7 study.

8 JUDGE BURTON: I'm going to sustain  
9 that objection.

10 MR. DICKSON: It is my opinion that  
11 the smart meters affect gene transcription, DNA  
12 damage, reduce the free radical scavengers. They're  
13 a carcinogen to humans. They have impact on sperm.  
14 They affect the fetus. They have effects on the  
15 brain development and they also affect and can cause  
16 autism.

17 I believe that exposure to  
18 electromagnetic fields, both extremely low frequency  
19 EOF and EMF from power frequency sources like power  
20 lines and appliances and radiofrequency radiation of  
21 RFR can cause adverse health outcomes that may have  
22 significant public health consequences, the most  
23 serious I believe to be associated with the extremely  
24 low frequency ELF include leukemia, brain tumors, and  
25 increased risk of neurodegenerative diseases.

1                   As pointed out earlier, wireless  
2   exposure is now classified by the World Health  
3   Organization to be a possible risk to health. The  
4   smart meters produce a whole body exposure constantly  
5   24/7. For our personal concern we home school, so my  
6   three children and wife are home 24/7 nearly and they  
7   are being impacted by the smart meter and our  
8   neighbors' smart meters and the water meters and the  
9   gas meters.

10                  JUDGE BURTON: Are you asking the  
11   Commission to stop your neighbors from using all of  
12   those devices or the water company?

13                  MR. DICKSON: No. I don't think you  
14   can do that. What I'm saying is they're not taking  
15   into effect the constant. I want it removed from my  
16   house. That would at least remove one aspect of the  
17   impulses coming to my house. But when they say  
18   they're safe, they're not taking into effect the  
19   setup. As I said earlier, my neighbors both point  
20   toward my house, so when they pulsate, all that comes  
21   toward my house. The house behind me actually is  
22   directed somewhat toward my house. So there's a  
23   chance I'm getting three to four times the pulses and  
24   if it's accurate they can go up to 190,000 pulses, I  
25   could be getting 800,000 pulses at my house a day.

1 That cannot be good. High exposure to these types of  
2 things typically can create cluster cancer risks.

3 JUDGE BURTON: Mr. Dickson, what is  
4 your education level?

5 MR. DICKSON: I have an undergraduate  
6 degree from the University of Memphis in risk  
7 management and insurance. I have a master's degree  
8 from Boston University in risk management and  
9 insurance. I hold five professional designations in  
10 insurance and risk management.

11 JUDGE BURTON: Do you have any science  
12 degrees.

13 MR. DICKSON: No, I do not.

14 JUDGE BURTON: Any medical degrees?

15 MR. DICKSON: No, I do not. But I do  
16 believe it also falls on the Commission and the power  
17 company if they're going to say these are safe, to  
18 consider all aspects including cumulative effects.  
19 If they have not considered that, for them to say  
20 that they are completely safe, they have not looked  
21 at all information and considered what can happen in  
22 these circumstances.

23 I asked for any studies that they had,  
24 I was provided none. So when they're saying they're  
25 safe, to give a generic, Well, they fall within the

1 FCC, well, those ratings were made years ago and no  
2 one at that time had an idea that we'd be putting  
3 transmitters on every house for every type of  
4 utility, that there would be cell phone towers  
5 everywhere. And they were based for adults, they  
6 were not based for children.

7 JUDGE BURTON: I just want to be  
8 clear. Are you stating that GMO failed to respond to  
9 a discovery request?

10 MR. DICKSON: Their response said they  
11 had no studies showing anything was harmful regarding  
12 smart meters.

13 JUDGE BURTON: Thank you.

14 MR. DICKSON: I also asked for any  
15 internal E-mails that they had regarding concerns or  
16 safety issues regarding smart meters and they invoked  
17 I believe attorney-client privilege and said it would  
18 be too cumbersome for them to obtain those. In my  
19 opinion smart meters are -- there's no difference  
20 between smart meters in my opinion and the power  
21 companies from what we saw with tobacco companies,  
22 asbestos, and other entities where the products were  
23 known and in time proven to cause cancer and have  
24 health concerns on individuals and that's what we  
25 have in my opinion the situation here. In my opinion



1 they know that there are concerns.

2 The fire concerns are documented  
3 throughout this country and Canada. There are  
4 instances or reports of them blowing up and causing  
5 fires. There have been recalls in North America of  
6 these devices and replacements put out because of  
7 concerns by the smart meter companies and the  
8 utilities. In California and other states they are  
9 looking at the ability to have people opt-out at no  
10 cost and also have concerns regarding the cumulative  
11 effect.

12 Overall, if we go back to the very  
13 first thing, this service must be safe and adequate  
14 in all respects. There's enough questionable data  
15 regarding fires and the pulses that I believe they  
16 are unsafe and at least in this case as a consumer  
17 who doesn't have the money for an attorney, who  
18 doesn't have the money to do these things, it would  
19 be the Commission's and I request your opinion that  
20 you side on the side of caution and remove this from  
21 my house.

22 I do have a doctor's note that said it  
23 was affecting one of my children. I believe that  
24 someone would show medical concern that they should  
25 not be prejudiced to have to pay extra for a health

1 concern that has come to fruition.

2 JUDGE BURTON: So you are requesting  
3 that the Commission order GMO to install an analog?

4 MR. DICKSON: An analog.

5 JUDGE BURTON: Not a digital?

6 MR. DICKSON: That's correct, with no  
7 monthly reading fee. We have even offered to send a  
8 photo every month to them. If they want to read it  
9 quarterly, whatever to reduce what they consider to  
10 be their cost. I'm very open. I could pay a flat  
11 rate and then as they read it if there's an  
12 adjustment that needs to be made, if they read it  
13 quarterly or something like that to reduce their  
14 cost, that would be an option. I think there's a lot  
15 of things.

16 But I do not believe a digital meter  
17 is going to resolve the fire issue because the  
18 digital ones also do not have a surge protector and  
19 they also have the thinner blades and other concerns.

20 I also had asked for any evidence  
21 regarding fires and they also replied that they had  
22 no proof of any fire started with smart meters in the  
23 KCP&L area, which I saw a news cast just a little  
24 while ago regarding one. Is that because an  
25 investigation wasn't completed? Do they actually

1 have independent fire experts that have reviewed  
2 these or is it still are they hiding behind  
3 attorney-client privilege because the investigation  
4 is still going on? In any of those, the question  
5 would be like, Well, if they're still safe, why would  
6 you not release whatever data you have?

7 JUDGE BURTON: Thank you.

8 MR. DICKSON: Thank you.

9 JUDGE BURTON: Let me see if there are  
10 any questions for cross examination. Mr. Steiner,  
11 your witness.

12 MR. STEINER: I didn't hear you or I  
13 was unclear what you said. What kind of meter did  
14 you say you have on your house today?

15 MR. DICKSON: I have a smart meter.

16 MR. STEINER: But you gave a brand  
17 name I thought.

18 MR. DICKSON: Is it a Sensus maybe?

19 MR. STEINER: It's not a Sensus. You  
20 said that word and that didn't make sense to me. We  
21 have L&G meters, Landis and Gyr. Is that the kind of  
22 meter that's on your house?

23 MR. DICKSON: I believe what I wrote  
24 down there's something about Sensus. I'd have to go  
25 out there. Did they take a photo?

1 JUDGE BURTON: So you don't recall.

2 MR. DICKSON: I don't recall.

3 MR. STEINER: I believe you testified  
4 that the voltage transient, that's one of your  
5 concerns; is that right?

6 MR. DICKSON: Uh-huh.

7 MR. STEINER: I thought you said that  
8 the voltage transient -- first of all, what is that  
9 in your opinion?

10 MR. DICKSON: Part of it is dirty  
11 electricity. The electricity will have rushes. I  
12 don't know the best way to describe it. They go  
13 throughout your house and release dirty electricity  
14 throughout your house.

15 MR. STEINER: So you're saying  
16 electricity escapes the meter, it doesn't go through  
17 the wire, it escapes the meter?

18 MR. DICKSON: The smart meter is not  
19 grounded. It does not have a surge arrester.  
20 Instead with smart meters any high voltage goes back  
21 into your house.

22 MR. STEINER: Through the wire;  
23 correct?

24 MR. DICKSON: Yes.

25 MR. STEINER: So are these transients

1 the RF signal, is that what you're talking about?

2 MR. DICKSON: I don't recall the exact  
3 RF. I will defer that question to my wife.

4 MR. STEINER: She's going to come up  
5 next?

6 MR. DICKSON: Yes.

7 MR. STEINER: So is the transient the  
8 RF signal? I thought you tied it that whenever it's  
9 pulsing, that's the concern; is that correct?

10 MR. DICKSON: I am concerned that when  
11 there is a surge, that the smart meter, since it does  
12 not have a surge arrester to put that surge in the  
13 ground, that these surge and extra voltage and  
14 electricity goes back into the house.

15 MR. STEINER: So you're saying that a  
16 voltage transient is a surge from outside your house?  
17 That's where I'm confused.

18 MR. DICKSON: I guess I'm not  
19 explaining it well. I apologize.

20 MR. STEINER: You talked a little bit  
21 about UL certification. So if a meter had UL  
22 certification, would this be an appropriate meter  
23 that you would allow to be installed in your house?

24 MR. DICKSON: I would like to see the  
25 test results regarding what the pluses or minuses

1 are.

2 MR. STEINER: I know you brought up UL  
3 certification. You said that was the standard for  
4 consumer electronics. If the meter has UL  
5 certification, then are your fears allayed?

6 MR. DICKSON: Not if it's still doing  
7 impulses.

8 MR. STEINER: When you say impulses,  
9 you mean RF impulses?

10 MR. DICKSON: Yes.

11 MR. STEINER: Because a meter that is  
12 a smart meter does have RF impulses if it is a  
13 communicating meter.

14 MR. DICKSON: Yes.

15 MR. STEINER: Those are your concerns.  
16 So UL certification would eliminate your concerns on  
17 the fires?

18 MR. DICKSON: I think it would help  
19 with concerns with the fires, yes.

20 MR. STEINER: Would it eliminate your  
21 concerns with what you call dirty electricity?

22 MR. DICKSON: I would have to see what  
23 the UL certification -- what the results were. They  
24 could possibly certify it for fire, but they could  
25 say there's still these other issues. Until we see

1 the exact details of their analysis, I cannot say  
2 what I would consider safe or not.

3 MR. STEINER: But I thought you said  
4 it would make you feel somewhat better about fires.

5 MR. DICKSON: Once again, again if I  
6 can see what they certified, what I'm saying is they  
7 are an independent body that could provide insight  
8 into the safety, but being certified and the results  
9 we would have to see exactly what they found.

10 MR. STEINER: So I believe you said  
11 that you have a cell phone; is that correct?

12 MR. DICKSON: Yes, I do.

13 MR. STEINER: And that you would use  
14 that cell phone at home when you're working at home;  
15 is that correct?

16 MR. DICKSON: One day a week.

17 MR. STEINER: Do you have an automatic  
18 garage door opener in your home?

19 MR. DICKSON: Yes. It's working now.  
20 We hadn't used it for years.

21 MR. STEINER: Is it two openers for  
22 two doors or one opener?

23 MR. DICKSON: It's two openers, but my  
24 wife typically is home all day, so she's not hitting  
25 the button.

1 MR. STEINER: Do you have Wi-Fi in  
2 your home?

3 MR. DICKSON: We do have Wi-Fi. We do  
4 not use it very often. It's literally unplugged from  
5 the power source and off the majority of the day.

6 MR. STEINER: But you need it when you  
7 use your computer; is that correct?

8 MR. DICKSON: No. I can also log on  
9 hardwire. My work computer is hardwire and we can  
10 also do the laptop versus the hardwire if needed for  
11 upstairs so we don't have to use the Wi-Fi.

12 MR. STEINER: But you do use the Wi-Fi  
13 in your home?

14 MR. DICKSON: On occasion.

15 MR. STEINER: Do you have a cordless  
16 phone in your house?

17 MR. DICKSON: Currently, yes, but I'm  
18 looking at replacements after doing this research.

19 MR. STEINER: How many do you have?

20 MR. DICKSON: Just one.

21 MR. STEINER: So that's your primary  
22 phone?

23 MR. DICKSON: Uh-huh. But we don't  
24 make very many phone calls.

25 MR. STEINER: Do you have a microwave



1 in your house?

2 MR. DICKSON: We do not use  
3 microwaves. We have never used a microwave. Well, I  
4 won't say never. Years ago, it's probably been six  
5 or seven years since it's been used.

6 MR. STEINER: So I think you mentioned  
7 that you home school your children. Do you ever take  
8 them on field trips to like a library or a public  
9 place?

10 MR. DICKSON: Yes.

11 MR. STEINER: How often do you do  
12 that?

13 MR. DICKSON: Well, we stop by and  
14 pick up books. We're maybe in there five minutes.  
15 We typically order them online and pick them up.

16 MR. STEINER: So you don't stay in the  
17 library longer than five minutes?

18 MR. DICKSON: Typically, no.

19 MR. STEINER: I think you mentioned  
20 that you had an analog meter. Where did you get that  
21 meter?

22 MR. DICKSON: We found it online and  
23 ordered it.

24 MR. STEINER: What entity did you  
25 order it from?

1 MR. DICKSON: I did not order it, my  
2 wife did. I would have to defer that question to  
3 her.

4 MR. STEINER: Was it eBay?

5 MR. DICKSON: I did not order it. I  
6 would have to defer that question to her. I just  
7 paid for it.

8 MR. STEINER: Was it from an  
9 individual, do you know that?

10 MR. DICKSON: I did not order it, I do  
11 not know. I would have to defer that to my wife.

12 MR. STEINER: I believe that you  
13 answered a question I had when we did a little bit of  
14 discovery, that your family has not undergone any  
15 diagnostic tests; is that correct?

16 MR. DICKSON: Not exactly correct. I  
17 have had headaches. I went in for a scan of my head.  
18 I had severe migraines approximately two or three  
19 months ago, maybe longer. It was before our July  
20 vacation, so I did have to come in for a brain scan.  
21 They did not find anything, but they were concerned  
22 that if I continued to have any unusual headaches or  
23 migraines, come back and see them.

24 MR. STEINER: So have you gone back  
25 and seen them?

1 MR. DICKSON: No. I have not had any  
2 migraines.

3 MR. STEINER: So it sounds like you  
4 were having migraines before the meter was installed;  
5 is that correct?

6 MR. DICKSON: No, this was after the  
7 meter was installed. The only other migraine I ever  
8 had was in high school, so this is my second migraine  
9 in my entire life and it was after the meter was  
10 installed.

11 MR. STEINER: So did you tell your  
12 doctor that you went to see about the smart meter?

13 MR. DICKSON: I don't recall the  
14 conversation. I just remember the questions were  
15 more regarding my frequency, the pain, how severe,  
16 blurred vision, things like that. They were all  
17 medical questions, not cause and effect.

18 MR. STEINER: May I approach, your  
19 Honor?

20 JUDGE BURTON: You may.

21 MR. STEINER: Do you recognize this  
22 document?

23 MR. DICKSON: Yes, sir.

24 MR. STEINER: Is that your response to  
25 KCP&L's questions, GMO's questions that were sent to

1 you?

2 MR. DICKSON: I believe it is. My  
3 wife wrote this.

4 MR. STEINER: Would you read into the  
5 record your answer to question 2?

6 MR. DICKSON: No diagnostic tests have  
7 been performed. What was the date of this?

8 MR. STEINER: I don't know when the  
9 date is, but you did say that this was what you  
10 provided to us.

11 MR. DICKSON: Uh-huh. My headaches  
12 were right around July. She wrote it. She possibly  
13 forgot that I had gone to the doctor.

14 MR. STEINER: Well, we asked you the  
15 questions in September and you have answered this 20  
16 days after that.

17 MR. DICKSON: Then that is an error.  
18 She forgot about my going to the doctor.

19 MR. STEINER: Okay.

20 MR. DICKSON: I would be happy to  
21 obtain the medical records to prove that I had a scan  
22 of my head.

23 MR. STEINER: I think that's all the  
24 questions I have. Thank you, your Honor. Thank you,  
25 Mr. Dickson.

1 MR. DICKSON: Thank you.

2 JUDGE BURTON: Do you have any cross  
3 examination?

4 MR. WILLIAMS: No questions, your  
5 Honor.

6 JUDGE BURTON: Mrs. Dickson, were you  
7 wanting to testify?

8 MS. DICKSON: I can, but I can maybe  
9 talk more about my children.

10 JUDGE BURTON: If you're going to be  
11 offering any statements that you want the Commission  
12 to consider, I would swear you in because you would  
13 need to be under oath.

14 Please raise your right hand. Do you  
15 swear or affirm that the statements you're about to  
16 give will be the truth, the whole truth, and nothing  
17 but the truth?

18 MS. DICKSON: Yes.

19 ANGELA DICKSON,  
20 being first duly sworn, testified under oath as  
21 follows:

22 JUDGE BURTON: Would you please state  
23 your name for the record?

24 MS. DICKSON: Angie Dickson.

25 JUDGE BURTON: And where do you

1 currently reside?

2 MS. DICKSON: 11005 North Brooklyn  
3 Avenue, Kansas City, Missouri 64155.

4 JUDGE BURTON: Thank you.

5 MS. DICKSON: I just can talk more  
6 about the effects that I see these things having on  
7 our children because I'm with them all day. We have  
8 had -- we have a 12-year-old, a seven-year-old, and a  
9 two-year-old, and both of our older children have had  
10 problems with focusing, ADHD-type symptoms in the  
11 past, so that's one of the reasons we -- and I've  
12 always kind of been looking for ways to help them  
13 because I'm trying to help them with school, so if  
14 they can learn to focus on their material, then it  
15 helps me and it helps them learn.

16 JUDGE BURTON: So these are boys, all  
17 three?

18 MS. DICKSON: I have three, three boys  
19 I have, but the older two, they're in school with me  
20 now. I have done research in the past on EMFs and  
21 how this can affect the cognitive behavior on  
22 children and so because of that about probably three  
23 years ago, I'm not really for sure exactly, but I  
24 think it was around three years ago we purchased an  
25 EarthCalm system for our home because we knew a lot

1 of these devices that we may even have or maybe in  
2 the environment could be affecting their ability to  
3 think and process information and to do the things  
4 that they need to do in order to learn.

5                   So we purchased an EarthCalm home  
6 system for that. And at the time before we purchased  
7 it, like I said, it was very hard for them to  
8 concentrate in school. Things were just not going  
9 that well. And then when we purchased this, we  
10 plugged it into our home -- and I don't have the  
11 paper with me on technically what it actually does  
12 because I can't really explain it. If I had that  
13 paper, I would be able to. But I believe it changes  
14 the frequency of the EMFs that are coming in to a  
15 level that the human body can handle. So immediately  
16 when we received this system and plugged it in, I  
17 noticed a complete change in my children and they  
18 were able to again focus and learn their material and  
19 things around home were much better.

20                   And things were going great and we had  
21 this system in and then everything was fine until the  
22 day they came to install our smart meter. And I  
23 didn't even know that this was going to take place.  
24 I remember I was nursing my at the time, I don't  
25 know, 15-month-old or maybe younger, I can't really

1 remember exactly how old he was, and we just heard  
2 this awful, awful noise. It was like someone was  
3 tearing apart our house.

4                   Actually, first I heard the doorbell,  
5 but I couldn't get to it because I was nursing my  
6 son, I didn't think that would be appropriate, so I  
7 didn't go get the door. Then seconds later it was  
8 like someone was ripping apart our house. After I  
9 fed him I got up and there was a note on the door  
10 that they had changed our meter. I didn't think too  
11 much of it because I didn't really know that much  
12 about them at the time, so didn't think too much of  
13 it.

14                   So then I put him down for his nap and  
15 he takes about a two-hour nap. Well, he woke up in  
16 the middle of his nap, which is completely uncommon  
17 for him because he's a really good sleeper, and he  
18 woke up screaming about after an hour. And before I  
19 put him down he was completely fine, there were no  
20 issues, but when he woke up, he had a rash covering  
21 his whole face and he was just screaming and I  
22 couldn't get him to stop. And it was really out of  
23 character for him because this isn't how he acted.

24                   And the only other time I remember him  
25 acting this way was before we had our own system to



1 help with the EMFs in our house, we tried to put a  
2 baby monitor in his room. And I had read about the  
3 monitors and I realized, Well, I'm not so sure about  
4 it because I heard they maybe aren't that safe, but  
5 we tried to put it in his room and every time he  
6 would wake up screaming and he wouldn't sleep. And  
7 after one day we got rid of the monitor because we  
8 knew it was affecting him.

9 All of our children are  
10 electrosensitive to all of these types of  
11 frequencies. My oldest son had autism and we did  
12 extensive medical treatment with him when he was  
13 younger and he has always been sensitive to anything  
14 in the environment. Just anything that normal  
15 children, they may not even notice, but they have  
16 always been this way.

17 So anyway, I thought that was  
18 different, just interesting that he would wake up  
19 with a rash, and then it kept getting worse and  
20 worse. So we took him to the doctor, like he said.  
21 The only thing that changed was the smart meter on  
22 our home. And I had also developed like right around  
23 my hairline like this severe eczema and it was really  
24 bad. Which was weird because we had the system and I  
25 called the people from our system and I'm like this

1 is supposed to protect us from smart meters and  
2 they're like, Well, that may be, but you have a  
3 cumulative effect of all of these different devices,  
4 maybe even the ones from your neighbors.

5 MR. STEINER: I'm going to object to  
6 this testimony as hearsay. I can't cross examine the  
7 person that's telling them this.

8 JUDGE BURTON: I'm going to sustain  
9 that objection. You can't state what it is that you  
10 learned from someone else who's not here, but if you  
11 want to describe your actions.

12 MS. DICKSON: So anyway, I don't know  
13 where I was going with this. So what was I saying?  
14 So anyway, this system wasn't apparently protecting  
15 us like it should, but the person on the phone  
16 recommended we have a device, that from this  
17 EarthCalm, which is where we got our home system,  
18 that we plug into our router and that would totally  
19 take out any wireless signals that would go through  
20 our home.

21 We used to have our router on except  
22 at night. We'd have it on during the day and there  
23 was no problems, the kids were fine. But it wasn't  
24 until the smart meter was put on that we started  
25 noticing again that the kids were starting to get --

1 because I had recognized it before, they were  
2 starting to revert back to their old behaviors.

3 So I took the device we plug into our  
4 router on the recommendation of the people that I  
5 called from our home system, EarthCalm, and they told  
6 me to tape it to the bottom of our smart meter. And  
7 so I did and immediately it was better because it's  
8 supposed to absorb the radiation from the smart meter  
9 and it's supposed to help with all that, so it was  
10 better again.

11 But still, the funny thing is is that  
12 a couple times I've had a history of sometimes like  
13 insomnia sometimes. I remember like I would wake up  
14 in the middle of the night, just sit up in bed all of  
15 a sudden, it was really weird, and not be able to go  
16 back to sleep. And this would go on for like three  
17 or four days. And it didn't occur to me to go look  
18 at our smart meter because I didn't really put it  
19 together until about four days down the road, but  
20 then I would go look at the smart meter and that  
21 thing that I had put on the smart meter hanging off  
22 of it. So if I didn't have it on there, I couldn't  
23 sleep. I would be up all night and it was really  
24 strange. There was like there was a switch in my  
25 brain. And one of these reports says here in the

1 Boland report --

2 MR. STEINER: I'm going to object as  
3 hearsay.

4 JUDGE BURTON: Sustained.

5 MS. DICKSON: Okay. I believe that  
6 when your brain is hit with these EMFs and radiation  
7 in the middle of the night, that there's a mechanism  
8 that produces insomnia in rats and animals and also  
9 individuals. So every time that was off, it was just  
10 weird. It happened two or three times and every time  
11 I went to look at our meter and it wasn't there  
12 anymore, it was hanging down. I don't know who did  
13 it, if it was the power company, I don't know who did  
14 it, but we put it back on.

15 But we still are having effects from  
16 our children. They're still not like they should be.  
17 Home schooling is still kind of a nightmare. It  
18 wasn't like it was before we had the smart meter put  
19 on. It's affecting our family, it's affecting our  
20 lifestyle, it's affecting all kinds of different  
21 things. And I know cognitively I can see in my  
22 children the problems and the effects that it has on  
23 them.

24 And I know that it's worse for  
25 children than it is for adults, which none of these

1 studies take that into effect. The studies are  
2 performed for like an average adult male, which isn't  
3 the same thing as doing it for a child. So anyway,  
4 that's more of my side of it, personal effects of our  
5 family.

6 JUDGE BURTON: Thank you. Why don't  
7 you remain seated.

8 MR. STEINER: So the device that you  
9 talked about, is that still taped, I think you said,  
10 to your smart meter.

11 MS. DICKSON: Uh-huh.

12 MR. STEINER: And I believe in your  
13 response to us, I'm going to read a sentence from it,  
14 it says, We noticed about four years ago our two  
15 older boys, now 12 and eight years old, were having  
16 hyperactivity and concentration issues; is that  
17 correct?

18 MS. DICKSON: Yeah, about three to  
19 four years ago.

20 MR. STEINER: I think that's all I  
21 have. Thanks.

22 JUDGE BURTON: Let me go ahead and ask  
23 some questions first. We'll see if Staff has some  
24 and then we'll give an opportunity to redirect.

25 MR. WILLIAMS: Thank you, your Honor.

1 Mrs. Dickson, would it be accurate to  
2 say that your concern regarding RF frequencies  
3 existed before the installation of the AMI meter?

4 MS. DICKSON: I don't know if I would  
5 have been able to -- I've always had -- I've always  
6 been trying to help my children with any problems  
7 they have from outside sources, so I don't know if I  
8 could label it as RF frequency. But I know that  
9 after it was placed on our home, that's when I  
10 started doing research on it. I didn't think  
11 anything of it when they actually came and put it on  
12 my home at first and then I started putting it  
13 together in my mind. So it's not like I had a  
14 negative opinion of it before it got there  
15 necessarily, I was just noticing the changes in the  
16 children's behavior.

17 MR. WILLIAMS: You mentioned that you  
18 purchased and use a -- is it a physical attachment  
19 that the EarthCalm system -- can you describe what  
20 that is and how you apply it?

21 MS. DICKSON: It's really these little  
22 things that go into our outlets. There's four  
23 different plugs basically and we just plug them into  
24 our outlets and it does something to change the  
25 frequency of the EMFs, as far as I know.

1 MR. WILLIAMS: You mentioned that  
2 before I guess even the installation of the AMI  
3 meters that you had acquired this EarthCalm system  
4 and that you were using it with your Wi-Fi router; is  
5 that correct.

6 MS. DICKSON: Right. But we also had  
7 a thing specifically made for our router to plug into  
8 the USB port, so that went specifically for our  
9 router and totally took out any harmful effects of  
10 that.

11 MR. WILLIAMS: Currently are you still  
12 using the unit for the router as well.

13 MS. DICKSON: No. Because I had to  
14 take that unit for the router and put it on the smart  
15 meter because that was the only way we could get any  
16 relief from the effect of it.

17 So now we can't use our router. In  
18 fact, my children get really -- I mean, the computer  
19 really they don't use that much because I don't ever  
20 want to have the Wi-Fi on, so they're like, Can we?  
21 No. You know, maybe five minutes here or there, but  
22 I mean literally it is always unplugged because when  
23 it's on, it makes it worse. And it's hard for  
24 school, sometimes we need to do things. We still do,  
25 but very minimal.

1 MR. WILLIAMS: Thank you. Just one  
2 final question. Do you own a cell phone yourself?

3 MS. DICKSON: No, I do not.

4 MR. WILLIAMS: Thank you so much.

5 JUDGE BURTON: I have a couple  
6 questions for you. You stated you purchased this  
7 EarthCalm device. What was the name of it?

8 MS. DICKSON: It's called the Infinity  
9 Home System, but we actually have a little bit of an  
10 older model. They have since changed the name. We  
11 purchased ours a while ago and now they've updated  
12 it. It was called a different name about three years  
13 ago, but now it's an Infinity Home System. But they  
14 have given us update plugs that make it the same  
15 quality as their new system.

16 JUDGE BURTON: How long ago did you  
17 purchase that?

18 MS. DICKSON: I think it was probably  
19 around three years ago maybe, three or four.

20 JUDGE BURTON: Now, you mentioned that  
21 when the smart meter was installed in January of  
22 2016, that's when it was installed; correct?

23 MS. DICKSON: Uh-huh.

24 JUDGE BURTON: You were nursing your  
25 youngest child?



1 MS. DICKSON: Uh-huh.

2 JUDGE BURTON: Where was his room  
3 located compared to where the smart meter is located?

4 MS. DICKSON: The smart meter is like  
5 if you're looking at our house, it's on the very  
6 left-hand side of our home on the lower level  
7 obviously, and then our son's bedroom is upstairs on  
8 the very furthest part of the right -- very furthest  
9 place away from the smart meter, as far as you can  
10 get.

11 JUDGE BURTON: And you're stating that  
12 once that smart meter was installed, it was  
13 instantaneous when you started observing the rash?

14 MS. DICKSON: Oh, yeah, within an  
15 hour. I went up there and he was broken out in a  
16 complete rash.

17 JUDGE BURTON: Don't babies normally  
18 have rashes, though, around that age, especially if  
19 you're breast-feeding them?

20 MS. DICKSON: No. He's never had  
21 anything like that before.

22 JUDGE BURTON: Was that one of the  
23 options when you talked to the doctor about other  
24 possible causes?

25 MS. DICKSON: She was just asking me

1 if I had changed anything. I ate the same thing.  
2 Ask my husband. I ate the exact same thing in my  
3 diet. There was nothing that I changed. There was  
4 no explanation for this except for -- and another  
5 curious thing is whenever I took him out of the house  
6 for an extended period of time, it would get better.  
7 In fact, which is weird, because when I took him to  
8 the doctor, I almost didn't want to take him because  
9 I was out running errands that day and by the time I  
10 got to the doctor's, it was nearly gone. And I  
11 thought this is really weird. I'm going to take him  
12 in there and it's not really going to be there  
13 anymore. And then every time I brought him back  
14 home, it would just appear again, so I knew it was  
15 something in our home. You know, so that was  
16 concerning too. It made me feel like I didn't even  
17 want to have him at home because it was affecting him  
18 at home.

19 JUDGE BURTON: Have you done any  
20 testing for this EarthCalm device?

21 MS. DICKSON: Oh, yes, they have.

22 JUDGE BURTON: I'm asking if you have.

23 MS. DICKSON: No, I have not, but  
24 there have been tests. On their website they have  
25 had testing.

1 JUDGE BURTON: So no testing has been  
2 performed in your house?

3 MS. DICKSON: Other than by the  
4 children and how it affects them and their behavior.

5 JUDGE BURTON: Your observations?

6 MS. DICKSON: My observations, right.  
7 And to me that is a good type of test too. I don't  
8 have any of the -- you know, the other testing.

9 JUDGE BURTON: Is this EarthCalm  
10 device currently taped or attached to your smart  
11 meter?

12 MS. DICKSON: The only thing that's  
13 attached, I have this little -- it's about this big,  
14 not even an inch, and they just told me to put a  
15 little piece of tape to the very bottom. You can't  
16 even see it.

17 JUDGE BURTON: What exactly is it? Is  
18 it the same thing you plug into the wall?

19 MS. DICKSON: No. It's something that  
20 I plugged into the USB port into our router, so it's  
21 pretty tiny. And it's hard to imagine that that  
22 little thing could help alleviate some of the  
23 symptoms that we have, but it does help. Not to the  
24 extend that we probably need it to, but it does help  
25 some. At this point we're just looking for any type

1 of relief.

2 JUDGE BURTON: So that's what's taped  
3 to the bottom of the smart meter?

4 MS. DICKSON: Right.

5 JUDGE BURTON: How long has it been  
6 taped there?

7 MS. DICKSON: I would say maybe a  
8 couple months after it was installed. Because I was  
9 having heart palpitations and all kinds of issues  
10 with the smart meter as well because I'm kind of  
11 sensitive to those types of things. And then when I  
12 called the company questioning why this wasn't  
13 helping, why our system wasn't able to handle all of  
14 these outside -- our smart meter, that's when they  
15 told me that I should -- recommended me to try to  
16 tape that to the smart meter and that might help  
17 alleviate some of the radiation that was coming into  
18 the house.

19 JUDGE BURTON: How are you today  
20 physically?

21 MS. DICKSON: I don't know. I can't  
22 say that I'm like I used to be before the smart meter  
23 was placed on there. I think I can function, but I  
24 don't think I'm functioning in the manner that is  
25 maybe the way I was before the smart meter.

1 JUDGE BURTON: I'm looking at you and  
2 I don't notice any physical eczema.

3 MS. DICKSON: Right. In fact, when I  
4 put that on the smart meter, it was only a day or  
5 two, maybe a week and then it started going away.  
6 And that's the same time I also noticed my son's rash  
7 start to improve. But why should I have to use  
8 something that we paid \$180 for to have in our router  
9 and use that to put on some meter that we didn't even  
10 want. So now we can't even use our computer at home  
11 for home schooling like doing the things that we  
12 really need to do with our children because it  
13 affects them so negatively. So I feel like we're  
14 using something that we spent our money on to do  
15 something else that it wasn't meant to do just so  
16 that we can not be completely affected by the things  
17 that they put on our home.

18 JUDGE BURTON: Do you go out to check  
19 the device, the EarthCalm device on your smart meter  
20 regularly?

21 MS. DICKSON: I look at it through one  
22 of our rooms. There's a window and we can see right  
23 to our smart meter, so I do check it.

24 JUDGE BURTON: But you don't every day  
25 go out and look and make sure?

1 MS. DICKSON: No. I don't want to go  
2 near the thing. And we also had purchased -- since  
3 the smart meter they also make these bracelets for  
4 children and adults too to help with grounding and  
5 radiation exposure.

6 JUDGE BURTON: Who is they?

7 MS. DICKSON: EarthCalm. So they have  
8 these devices that help protect children from the  
9 negative effects of the EMF and radiation. We had to  
10 spend \$500 extra out of our own pocket just on them  
11 because we felt like they weren't even safe in our  
12 own home anymore, especially when you sleep.

13 When you sleep, that is when it's the  
14 most dangerous because it disrupts your melatonin  
15 levels and so you can't sleep. And if you can't  
16 sleep, then there are so many different problems you  
17 get from not being able to sleep. That's when the  
18 body repairs itself. That's when your body fixes the  
19 problems that it has. Any problems that it has it  
20 repairs when you're sleeping. If you can't sleep,  
21 then these things can't be fixed. So we had to  
22 purchase these additional bracelets for our children  
23 because we felt like even then they weren't -- you  
24 know.

25 JUDGE BURTON: How long have you had

1 those?

2 MS. DICKSON: Probably about three  
3 months maybe.

4 MR. DICKSON: Longer.

5 MS. DICKSON: Longer? Maybe longer.  
6 I don't know.

7 JUDGE BURTON: If you don't know, it's  
8 fine to say you don't know.

9 MS. DICKSON: I can't really say for  
10 sure.

11 JUDGE BURTON: Were you there when  
12 Staff and representatives from GMO came out to test  
13 the smart meter?

14 MS. DICKSON: I was in the house.

15 JUDGE BURTON: Do you recall how many  
16 times that occurred where they came out to test?

17 MS. DICKSON: Just once.

18 JUDGE BURTON: When was that?

19 MS. DICKSON: I don't remember the  
20 date.

21 JUDGE BURTON: If you don't --

22 MS. DICKSON: Yeah, I don't remember.

23 JUDGE BURTON: What's your current  
24 age?

25 MS. DICKSON: 42.

1 JUDGE BURTON: And your educational  
2 background?

3 MS. DICKSON: I have a bachelor's  
4 degree from Illinois State University.

5 JUDGE BURTON: What's your bachelor's  
6 degree in?

7 MS. DICKSON: Family and consumer  
8 sciences.

9 JUDGE BURTON: Those are all the  
10 questions I have.

11 MR. DICKSON: The day that they came  
12 out to put the meter on, did you give them permission  
13 to put the meter on?

14 MS. DICKSON: No, I did not.

15 MR. DICKSON: Did you even know a  
16 smart meter had been put on the house initially?

17 MS. DICKSON: No. Because when I  
18 called -- I did call and I asked if a smart meter had  
19 been placed on my home because I had heard  
20 information about a smart meter, and they said that,  
21 no, it wasn't a smart meter, it was a digital meter  
22 and that there were no issues with it. So I was like  
23 okay.

24 MR. DICKSON: The question he had was  
25 that three or four years ago your children had



1 issues. Had they improved and did you see negative  
2 effect when the smart meter was put on?

3 MS. DICKSON: Oh, yes, they improved.  
4 They improved greatly after we had the EarthCalm  
5 system put on our home. So much improvement and  
6 things were running really smoothly. When we had the  
7 smart meter put on, it was almost like we hadn't ever  
8 purchased our system for our home again because it  
9 was that much of a change in their behavior.

10 MR. DICKSON: In your opinion could  
11 you describe what dirty electricity is and how the  
12 smart meter creates it and other issues you believe  
13 the smart meter causes?

14 MS. DICKSON: As far as I know the  
15 smart meter runs at such a high level they have to  
16 have these switch mode power supplies and they are  
17 switched on so that the high level frequencies can be  
18 brought down to like a four to a ten so that it can  
19 be measured and recorded for the power company to  
20 measure what you're doing in your home with  
21 electricity and usage. And when you have that high  
22 frequency to low frequency and you have within such a  
23 rapid, short amount of time, you have this excess of  
24 electricity that is just hanging there because it  
25 doesn't know what to do there's such a big change in

1 such a short amount of time.

2                   So you have all this electricity that  
3 is kind of like smog you would have from cars and all  
4 the pollution, so it's called electric smog and you  
5 have that constantly. So then it goes back up and  
6 you have all of this electric smog that is created  
7 possibly 190,000 times in a 24-hour day which has  
8 been proven beyond a doubt to be completely harmful  
9 to human health, really harmful. In fact, maybe even  
10 more so than radiation, EMFs. So you have this  
11 constantly, so it goes into your wiring in your house  
12 and it surrounds your house and you're constantly --  
13 it's like you're enveloped in this big electric  
14 smog-polluted environment like 24 hours a day and it  
15 has complete health hazards.

16                  And then not only that, I was just  
17 reading that you shouldn't have any paper -- like if  
18 you even have paper towels or tissues near an  
19 electrical outlet, that when these transients or  
20 these switched power supply circuit things happen, if  
21 there's a surge and there's a tissue box sitting by  
22 your electrical outlet, that it can catch on fire  
23 just from being near an electrical outlet because of  
24 the surge. Sometimes the fires are started that way  
25 because there's maybe tissues or something that can

1 be burnable that is sitting by an electrical outlet  
2 and that many consumers wouldn't even know that. So  
3 the surges produce that type of fire hazard as well.

4 MR. DICKSON: And what -- how a smart  
5 meter could catch on fire, what are some of the  
6 reasons?

7 JUDGE BURTON: I'm sorry, could you  
8 repeat that question?

9 MR. DICKSON: Could you explain in  
10 your opinion what are some of the reasons why a smart  
11 meter could catch on fire?

12 MR. STEINER: I'm going to object.  
13 This is cumulative to what the first witness said and  
14 I don't believe anybody asked her questions about  
15 fire hazards.

16 JUDGE BURTON: I'm going to sustain  
17 that.

18 MR. DICKSON: Do you have any concerns  
19 regarding the health of your eggs being a woman, what  
20 concerns you have?

21 MR. STEINER: I'm going to object. I  
22 don't believe that anyone asked her questions about  
23 that.

24 MR. DICKSON: I believe that goes to  
25 her testimony regarding her concerns regarding her

1 health hazard that she already had testified to and  
2 she's just expounding on that concern.

3 JUDGE BURTON: I'm going to sustain  
4 the objection. There wasn't anything specific that  
5 she'd indicated whenever she was talking her health  
6 problems and impairments that discussed reproduction  
7 issues.

8 MR. DICKSON: No other questions.  
9 Thank you.

10 JUDGE BURTON: Why don't we take a  
11 quick feed-the-meter recess for about 15 minutes.  
12 It's about 11:53. Why don't we go back on the record  
13 around 12:10 or so.

14 (Recess.)

15 JUDGE BURTON: It is currently 12:12.  
16 At this point we're ready to hear from GMO's  
17 witness.

18 MR. STEINER: I'll call Julie Dragoo.

19 JUDGE BURTON: Please raise your right  
20 hand. Do you swear or affirm that the statements  
21 you're about to give will be the truth, the whole  
22 true, and nothing but the truth?

23 MS. DRAGOO: Yes.

24 JULIE DRAGOO,  
25 being first duly sworn, testified under oath as

1 follows:

2 JUDGE BURTON: Please state and spell  
3 your name for the record.

4 MS. DRAGOO: It's Julie Dragoo,  
5 D-R-A-G-O-O.

6 JUDGE BURTON: Thank you.

7 MR. STEINER: Please state your name  
8 and your position at KCP&L-GMO.

9 MS. DRAGOO: My name is Julie Dragoo  
10 and I'm the director of revenue management.

11 MR. STEINER: What is your background  
12 and experience?

13 MS. DRAGOO: I have a degree in  
14 finance from Emporia State University. I've worked  
15 in the energy industry since I graduated. I've been  
16 with the utility since 2000 and I've served in  
17 multiple capacities since 2003 in the customer  
18 service arena. I took over the meter reading and  
19 field service department in 2010 and have led that  
20 group the past six years, most recently as the  
21 director of revenue management.

22 MR. STEINER: Do you have experience  
23 and specialized knowledge regarding AMI meters and  
24 their capabilities, performance, and safety?

25 MS. DRAGOO: Yes. Through my

1 management of the meter reading and field service  
2 department the past six years I have gained this  
3 knowledge.

4 MR. STEINER: Please describe GMO's  
5 AMI meter program.

6 MS. DRAGOO: So in October of 2015,  
7 GMO began the process to replace approximately  
8 330,000 manually read meters we have in our system.  
9 During this initial phase of the GMO project we  
10 exchanged about 188,000 meters and we completed that  
11 in September of this year.

12 This followed a two-year effort of  
13 getting our KCP&L territories upgraded from an AMR  
14 system to an AMI system. The art of technology  
15 deployed at GMO is very similar to that of the  
16 technology that KCP&L had used for 20 years. The AMR  
17 system that I mentioned was the legacy automated  
18 meter-reading system, was only capable of one-way  
19 communication with the meter. With the new  
20 installation of the AMI meters, the company cannot  
21 only receive information, but also send information  
22 to the meters.

23 In terms of RF, like I said, the  
24 meters we're installing in GMO are virtually  
25 identical to those used in KCP&L for 20 years. The

1 FCC has approved these devices as with all other  
2 consumer electronic devices that transmit and receive  
3 RFs. In all of our experience there has not revealed  
4 any ill health effects, any breach of privacy, or  
5 increased threat of fires.

6 MR. STEINER: Can you tell us how many  
7 formal complaints that either KCP&L or GMO has  
8 incurred since the AMI upgrade?

9 MS. DRAGOO: Yes. In KCP&L Missouri  
10 there were zero formal complaints and in GMO there  
11 has been one formal complaint.

12 MR. STEINER: And that's this  
13 complaint; right?

14 MS. DRAGOO: Yes.

15 MR. STEINER: And how many informal  
16 complaints at KCP&L or GMO have occurred since the  
17 AMI upgrade.

18 MS. DRAGOO: In terms of informal  
19 complaints that has resulted in a call to our  
20 customer relations department where we've been  
21 tracking it, our records indicate that in KCP&L  
22 Missouri there was one informal complaint in 2014 and  
23 three in 2015, and in GMO there was one in 2015 and  
24 two through July of 2016.

25 MR. STEINER: Now, going to the

1 Dicksons' complaint, what information did the company  
2 specifically share with the Dicksons when you changed  
3 the meter out?

4 MS. DRAGOO: As part of the process  
5 for the AMI meter exchange the Dicksons received a  
6 postcard in the mail regarding the meter exchange.  
7 That would have happened several weeks before the  
8 meter was exchanged. I believe Mrs. Dickson  
9 contacted our contact center on January 20th, which  
10 was the day the meter was exchanged, to inquire about  
11 the type of the meter that we exchanged that day.

12 After receiving a letter from the  
13 Dicksons, a representative from our contact center  
14 contacted Mr. Dickson on February 4th and explained  
15 the process of our project and exchanging meters and  
16 offered to send any additional information that might  
17 be helpful related to the meters.

18 On that same day our representative,  
19 Catherine Winters, sent Mr. Dickson a letter  
20 explaining that there is no opt-out process available  
21 at that time for the meter. She also E-mailed  
22 Mr. Dickson on February 9th several links and  
23 information related to the AMI meters. This was a  
24 process that was followed for any KCP&L customer who  
25 had any questions about these meters.



1 MR. STEINER: Would you describe the  
2 certifications that the AMI meter has?

3 MS. DRAGOO: Sure. Meters have always  
4 been designed to meet the NTSI standard, I believe  
5 Roger mentioned NTSI earlier, and that's no different  
6 than these AMI meters that we're using today. NTSI  
7 is the nationally recognized standard for utilities  
8 and sets the standard for more than just meters. In  
9 addition, RF frequency of the meters meets all the  
10 requirements set forth for FCC certification.

11 MR. STEINER: Are there any other  
12 certifications?

13 MS. DRAGOO: So a newer industry trend  
14 is also to get the meters UL certified. Our  
15 manufacturer, Landis and Gyr, has actually taken the  
16 steps for UL certification for the meters we are  
17 purchasing. Normally UL certification has been for  
18 consumer electronics and not utility equipment, so  
19 this is a new certification for the meters after we  
20 began installing them in 2014.

21 MR. STEINER: Please describe how the  
22 AMI meter operates.

23 MS. DRAGOO: So KCP&L implemented the  
24 L&G grid stream network and the grid stream is a mesh  
25 network which essentially means that through RF

1 technology the meters can communicate with one  
2 another to get the information back up to the network  
3 router. KCP&L interrogates the meter for meter usage  
4 once every four hours. Now, if the meter detects an  
5 outage or another high priority diagnostic flag  
6 throughout any time, it will immediately send that  
7 information back to KCP&L. However, the only  
8 information that is sent in these transmissions is  
9 the meter number, the usage related to the meter, and  
10 any metrology-related diagnostic flags, as I  
11 mentioned like an outage or any kind of other thing  
12 it's detecting. There is absolutely no customer  
13 information associated with the meter.

14 In addition, the meters do not  
15 transmit constantly and they meet the FCC  
16 certification for RF interference. In fact, the RF  
17 interference was tested as part of this complaint and  
18 based on those results the meter did not show any  
19 signs of being outside of these guidelines.

20 MR. STEINER: So how does the meter  
21 information run usage get then to GMO to be billed?

22 MS. DRAGOO: So all KCP&L meters have  
23 a unique ID. It's a unique network ID that's  
24 associated with them from the manufacturer, so KCP&L  
25 meters would only be able to be heard on our own

1 network. The data is transmitted back through an  
2 encrypted wireless network and essentially gets back  
3 to KCP&L through a secure T1 line.

4 MR. STEINER: Now, you said KCP&L to  
5 those questions. The information is for a GMO  
6 customer, so it would go to GMO; correct?

7 MS. DRAGOO: Absolutely. Apologies,  
8 GMO and KCP&L are intertwined sometimes in our  
9 conversations, but absolutely the same.

10 MR. STEINER: Has GMO's or KCP&L's  
11 experience with the AMI meters revealed any ill  
12 health effects?

13 MS. DRAGOO: No, no. As I mentioned,  
14 KCP&L has been using this same RF technology since  
15 1996. KCP&L's experience with this technology has  
16 not resulted in any ill health effects, no breach of  
17 privacy, or increased threat of fires.

18 MR. STEINER: Are the RF emissions  
19 from an AMI meter, are they safe?

20 MS. DRAGOO: Yes. The meter uses a  
21 900-megahertz spectrum which is the same spectrum  
22 used in cordless phones, Wi-Fi. There's no known  
23 hazard to human health with smart meters or other  
24 devices when they're used according to safety  
25 guidelines.

1                   The FCC sets limits on the maximum  
2     permissible exposure for emissions of RF-emitting  
3     devices and GMO's AMI meters operate at a level well  
4     below the maximum exposure level permissible by the  
5     FCC. Specifically the RF power density of a smart  
6     meter compared to other common devices is as follows.  
7     So if you're measuring the power density in the  
8     microwatts per centimeter squared, a smart meter is  
9     approximately .1 where a Wi-Fi or a laptop would be  
10    anywhere from ten to 20. A cell phone ranges  
11    anywhere from 30 to 10,000 microwatts per centimeter  
12    squared and a walkie-talkie is 500 to 42,000 and even  
13    a microwave in your home is about 5,000 microwatts  
14    per centimeter squared.

15                  MR. STEINER: Do AMI meters create  
16    electromagnetic fields different than other electric  
17    devices?

18                  MS. DRAGOO: No. Electromagnetic  
19    field is magnetism that's produced by any electrical  
20    current or an electrically charged object. There's  
21    no difference in EMF in an analog meter versus a  
22    digital meter. All meters create an EMF as does  
23    anything in the home that uses electricity.

24                  MR. STEINER: Does an AMI meter have  
25    something called a voltage transient?

1 MS. DRAGOO: A voltage transient is a  
2 very small power surge and when any device is turned  
3 on, there can be a voltage transient. AMI meter  
4 voltage transients are no different than any other  
5 electric devices such as a computer, plasma  
6 television.

7 MR. STEINER: So would a voltage  
8 transient occur when an AMI meter is transmitting an  
9 RF signal with usage data?

10 MS. DRAGOO: My understanding the  
11 voltage transient happens when you're turning on the  
12 electricity and the meter is always electrically  
13 charged unless, of course, there's a power outage.

14 MR. STEINER: Does the AMA meter  
15 increase the risk of fires over that of an analog  
16 meter?

17 MS. DRAGOO: No. The company has no  
18 evidence that AMI meters have caused any fires. The  
19 manufacturer of the meter has also indicated that  
20 there have been no instances of a fire being  
21 attributed to any of their 40 million meters that  
22 have been installed.

23 MR. STEINER: So we've heard reports  
24 of fires being caused across the country. Do any of  
25 those apply to L&G meters?

1 MS. DRAGOO: No, they do not.

2 MR. STEINER: Did the company agree to  
3 an opt-out process so a customer could have their  
4 meter manually read in the last GMO rate case?

5 MS. DRAGOO: Yes. The staff of the  
6 commission proposed an opt-out in their testimony and  
7 as part of the settlement of the case GMO agreed to  
8 the opt-out. This would be something the Dicksons  
9 would qualify for as an option.

10 MR. STEINER: So tell us how the  
11 opt-out would work.

12 MS. DRAGOO: So customers will be  
13 allowed to request a nonstandard meter be placed on  
14 their home. They would be charged an initial setup  
15 fee for \$150 and then they would be charged \$45 a  
16 month.

17 MR. STEINER: And what does that \$45 a  
18 month go towards?

19 MS. DRAGOO: So the company will have  
20 to maintain and develop new processes to manually  
21 track these meters, so not only is it covering the  
22 charge for the meter read, but it's covering the  
23 additional systems and processes that we'll have to  
24 manage.

25 MR. STEINER: So I think you said the

1 Dicksons are eligible for this opt-out; is that  
2 correct?

3 MS. DRAGOO: Yes. The tariff applies  
4 to all residential customers in GMO and will be  
5 effective December 22nd.

6 MR. STEINER: And with this  
7 nonstandard meter that you mentioned that gets used  
8 in an opt-out situation, will it transmit RF signals?

9 MS. DRAGOO: No. The meter that we  
10 would use in the opt-out situation is the same meter  
11 that's been used in our GMO territories for new  
12 installs since 2008. It would be a digital meter but  
13 without the RF communication capability.

14 MR. STEINER: We've heard mention of  
15 an analog meter that the Dicksons have purchased.  
16 Would an analog meter purchased from a third party be  
17 compatible with GMO's billing system?

18 MS. DRAGOO: No, it would not. Analog  
19 meters have not been manufactured since roughly 2007.  
20 KCP&L hasn't used analog meters since around 2005,  
21 2006 in anticipation of this trend. GMO moved to all  
22 digital meters in 2008. Analog meters are being  
23 phased out across our system due to industry  
24 obsolescence. Any analog meter that is still on our  
25 system when we exchange it, we retire that meter and

1 it is no longer available for use at any other  
2 location. It's also not really feasible for the  
3 customer to provide their own meter.

4 There are many reasons this didn't  
5 work for the utility. Number one, it's part of the  
6 company's tariff that we will provide the meter to  
7 the customer and then, secondly, anything that's  
8 purchased off the Internet is likely not tested and  
9 calibrated to meet our expectations and it absolutely  
10 will not be compatible with our billing system  
11 because our manufacturers make meters specifically  
12 for us.

13 MR. STEINER: Thank you. I don't have  
14 any further questions.

15 JUDGE BURTON: Did you want to allow  
16 Staff to go first before cross examination or would  
17 you prefer to ask cross examination at this time.

18 MR. DICKSON: I'd like to go first.

19 JUDGE BURTON: Okay.

20 MR. DICKSON: You say you have a  
21 finance degree. Do you have any background in  
22 mechanical engineering or electrical engineering?

23 MS. DRAGOO: I do not. I have worked  
24 with the meter reading and field service department  
25 for the last six years.



1 MR. DICKSON: Do you have any medical  
2 background, medical training, medical degrees?

3 MS. DRAGOO: No.

4 MR. DICKSON: You said you gained  
5 knowledge by working in the department. Did you gain  
6 that from reading material that the company provided  
7 you? How are you saying that you now understand  
8 this?

9 MS. DRAGOO: So I work directly with  
10 the engineers in our company. I work directly on the  
11 project for the AMI meters, so I have close contact  
12 with our vendors who provide this information.

13 MR. DICKSON: So they will provide you  
14 the information maybe in a written document, but you  
15 don't have any background to be able to say is this  
16 accurate or not; is that correct?

17 MR. STEINER: I'm going to object that  
18 she testified that she did have background.

19 JUDGE BURTON: I'm going to overrule  
20 the objection. She can answer the question.

21 MS. DRAGOO: I am not an engineer, I  
22 think that was your question.

23 MR. DICKSON: You have to take  
24 whatever they give you and assume it's accurate?

25 MS. DRAGOO: I can take the

1 information that is given to me, ask the appropriate  
2 questions to help in my understanding and knowledge  
3 so that I feel comfortable speaking about it, yes.

4 MR. DICKSON: Without an engineering  
5 or medical background, how do you feel you can ask  
6 the accurate questions if the material you're being  
7 given is accurate?

8 MS. DRAGOO: I don't think I'm  
9 following your question.

10 MR. DICKSON: Without an engineering,  
11 mechanical engineering, electrical engineering, or  
12 medical background, how do you know what questions to  
13 ask if they're saying that these are completely safe  
14 and there are no fire hazards or they meet all the  
15 safety standards? How do you know to ask the correct  
16 question if you have no background in that?

17 MS. DRAGOO: We rely on a lot of the  
18 information given to us and feel like I have enough  
19 background to ask the right questions. We also have  
20 the information provided from the Staff as it relates  
21 to this complaint.

22 MR. DICKSON: You work in the finance  
23 department. Has KCP&L-GMO received any funds from  
24 the federal government to change the grid over to  
25 smart meters?

1 MR. STEINER: I'm going to object. I  
2 don't believe she's ever testified that she works in  
3 the finance department.

4 JUDGE BURTON: I'm going to sustain.

5 MR. DICKSON: You work in the  
6 department of revenue management. Are you aware of  
7 any money received by KCP&L-GMO and what is the  
8 amount that they received from the federal government  
9 to change all this over?

10 MS. DRAGOO: I am not aware of any  
11 money that GMO has received from the federal  
12 government.

13 MR. DICKSON: Are you aware that in  
14 2009 a stimulus package, that millions of dollars  
15 were set aside to do such a program?

16 MS. DRAGOO: I do know there were some  
17 DOE grants, I believe.

18 MR. DICKSON: Are you aware of any  
19 grants received by KCP&L or GMO?

20 MS. DRAGOO: I am not the person to  
21 speak on any of those particulars actually.

22 MR. DICKSON: Have you ever heard that  
23 they received any grants? You may not be the expert.  
24 Are you aware or have you been told or heard from  
25 anyone that --

1 MS. DRAGOO: Yes. There was a smart  
2 grid project in our KCP&L territory in that roughly  
3 2009 to 2013 period.

4 MR. DICKSON: Are you aware of how  
5 many millions of dollars the company received?

6 MS. DRAGOO: I am not.

7 MR. DICKSON: Could you safely say it  
8 was millions of dollars, it wasn't 100 bucks?

9 MS. DRAGOO: It probably was not 100  
10 bucks, but I am not at any length of expertise to say  
11 what the dollar figure was.

12 MR. DICKSON: You say that the current  
13 smart meters only let out a signal once every four  
14 hours, so that would be only six times a day?

15 MS. DRAGOO: That we ask for meter  
16 reading usage information is every four hours.

17 MR. DICKSON: You ask for it, but it's  
18 continually pinging, so you only receive it six  
19 times, but the machine is continually pinging; right?

20 MS. DRAGOO: I cannot speak to the  
21 meter specifically how many times.

22 MR. DICKSON: But earlier you  
23 testified that you have gained knowledge through your  
24 experience that you are aware how these machines  
25 operate, so I'm asking you I think a very simple

1 question. How many times did that machine ping from  
2 my house, and you can't give that?

3 MS. DRAGOO: No.

4 MR. STEINER: I think the witness did  
5 testify that it will send a signal if there's an  
6 outage or other meter testing.

7 MS. DRAGOO: Right. Again, if the  
8 meter has a diagnostic flag, if the meter has an  
9 outage, it will report back, but other than that, I  
10 have no physical evidence of how many times a day a  
11 meter will send a signal.

12 MR. DICKSON: We had earlier testimony  
13 that smart meters can ping up to 190,000 times a day.  
14 Do you have any reason to refute that?

15 MS. DRAGOO: I believe that was said  
16 in your testimony and I don't know that that has been  
17 in any of the records. I don't have anything to  
18 refute that.

19 MR. DICKSON: When they came out to  
20 test my meter, they put whatever machine was up there  
21 and the needle went every, I don't know, five, ten  
22 seconds. When the meter moves, does that mean  
23 there's a ping?

24 MS. DRAGOO: I was not at the test, at  
25 the field test that day, so I cannot speak to any of

1 the specifics to that meter test. I do know that the  
2 Staff filed a report and I believe they're offering  
3 that as part of the evidence.

4 MR. DICKSON: Through your knowledge  
5 and experience why would you send someone out with a  
6 machine to do that? Why would you send somebody out  
7 with that machine to show -- and the needle move?  
8 What was is the purpose of that?

9 MS. DRAGOO: We were sent on behalf of  
10 the Staff as it relates to this complaint to complete  
11 those tests.

12 MR. DICKSON: Did you look at the  
13 results?

14 MS. DRAGOO: I have not. I have not  
15 read through the specific results.

16 MR. DICKSON: In your opinion when the  
17 needle moves, what does that mean?

18 MR. STEINER: I'm going to object. I  
19 think she's already testified that she didn't look at  
20 the results since she wasn't there when the test was  
21 done.

22 JUDGE BURTON: I'll sustain.

23 MR. DICKSON: Does KCP&L or GMO sell  
24 any information received from the smart meters to any  
25 vendors or other parties?

1 MS. DRAGOO: No.

2 MR. DICKSON: Are you aware of any --  
3 you testified that the meter meets the standards.  
4 However, are you aware of KCP&L-GMO having any  
5 studies done regarding cumulative effect of multiple  
6 meters striking a house?

7 MS. DRAGOO: No, I'm not aware of any  
8 studies.

9 MR. DICKSON: So KCP&L and GMO  
10 cannot -- can you say for sure there couldn't be  
11 negative effects regarding cumulative effect?

12 MS. DRAGOO: Again, I'm not here to  
13 speak to the cumulative effects of the meter. Based  
14 on the RF maximum permissible exposure our meters  
15 meet the FCC limits.

16 MR. DICKSON: Who put in these meters,  
17 the employees of KCP&L or did you hire a vendor to  
18 put them in?

19 MS. DRAGOO: We did a combination of  
20 both, we used employees and a contractor.

21 MR. DICKSON: Was every person that  
22 put one in a certified electrical individual, an  
23 electrician?

24 MS. DRAGOO: No. We would not use  
25 electricians for this, but not to say they couldn't

1 be.

2 MR. DICKSON: So we had  
3 non-electricians hooking up a smart meter to a house,  
4 that's what you're testifying?

5 MS. DRAGOO: I'm suggesting that they  
6 exchanged the meter. They were not doing brand new  
7 meter installs. This was an exchange from one meter  
8 to another meter.

9 MR. DICKSON: In an exchange do you  
10 have to hook up wires?

11 MS. DRAGOO: No, sir.

12 MR. DICKSON: Can you explain to me  
13 what is involved in an exchange and what is  
14 connected?

15 MS. DRAGOO: I personally have never  
16 done this job, so I'm not a good expert in pulling  
17 and exchanging a meter, but the exchange, you have  
18 one meter that is an NTSI standard meter exchanged  
19 with another one that's an NTSI standard. As I  
20 mentioned, meters are built to this NTSI standard and  
21 they have the exact same component that will fit  
22 nicely into the meter socket. When the meter is  
23 exchanged, they will remove the current meter on the  
24 home. They'll do a visual inspection and make sure  
25 that everything looks as it should, and then they



1 will insert the new meter into the socket.

2 MR. DICKSON: Does the smart meter  
3 have a surge arrester?

4 MS. DRAGOO: I do not know.

5 MR. DICKSON: Does a smart meter have  
6 thinner blades than an analog meter?

7 MS. DRAGOO: I cannot answer that.  
8 I'm not a specific expert in the thinness of the  
9 blades, but to my knowledge meters, again, are built  
10 to the NTSI standard and there would be no major  
11 difference in the components of the meter.

12 MR. DICKSON: Is it true the smart  
13 meter has a plastic back?

14 MS. DRAGOO: Yes.

15 MR. DICKSON: Is it true a plastic  
16 back can melt faster than a metal alloy back?

17 MS. DRAGOO: I don't believe I said  
18 that.

19 MR. DICKSON: I'm asking you.

20 MS. DRAGOO: I do not know the answer  
21 to that.

22 MR. DICKSON: If a fire occurs at  
23 someone's house, does KCMO GMO remove the meter  
24 before it's inspected by independent fire inspectors  
25 or third parties?

1 MS. DRAGOO: Could you repeat that  
2 question? I'm not sure I'm following.

3 MR. DICKSON: If a fire occurs at a  
4 house around the area of a smart meter, is it removed  
5 prior to a thorough inspection by the fire inspector  
6 and/or third parties and/or insurance companies?

7 MS. DRAGOO: I'm not sure I can speak  
8 to the process of meter removal as it relates to a  
9 fire at a residence.

10 MR. DICKSON: You earlier testified  
11 that no fires are caused by smart meters?

12 MS. DRAGOO: Correct.

13 MR. DICKSON: Have you looked at every  
14 single report from any potential fire caused by a  
15 smart meter?

16 MS. DRAGOO: So the only time that  
17 KCP&L does an investigation is when we receive a  
18 claim from an insurance company that would associate  
19 or imply that our meter may have caused the fire.  
20 Again, we have no evidence on any of those  
21 investigations that a fire was caused by the meter.

22 MR. DICKSON: Are those investigations  
23 concluded or still in the process?

24 MS. DRAGOO: Again, if an  
25 investigation shows there's no cause of fire

1 attributed to the meter, I would assume it's a  
2 completed investigation.

3 MR. DICKSON: In those cases has the  
4 insurance company gone away or are they still seeking  
5 subrogation rights?

6 MS. DRAGOO: I'm not involved in any  
7 of that information or process, so I can't answer  
8 that question.

9 MR. DICKSON: When you say the  
10 investigation is concluded, are you just stating that  
11 on the part of KCP&L-GMO or that the entire case is  
12 closed and no one is seeking to recover?

13 MS. DRAGOO: Again, I'm not involved  
14 in that process. I do not know.

15 MR. DICKSON: So I'm a little  
16 confused. You're saying no fires are related, but  
17 yet you can't testify as to the specifics of any of  
18 the cases; is that correct?

19 MS. DRAGOO: Correct. I am not in the  
20 legal department and I'm not a fire investigator.

21 MR. DICKSON: How does KCP&L-GMO  
22 document and record any fires or investigations?  
23 Where is all that information kept?

24 MS. DRAGOO: I'm going to keep  
25 answering these questions the same, I'm not involved

1 in that process and I cannot answer that question  
2 with any specifics.

3 MR. DICKSON: Can you explain to me if  
4 the opt-out meter also produces dirty electricity?

5 MS. DRAGOO: I can't. I am not  
6 familiar with that term. I heard you guys use it  
7 earlier today. I've not read up on what dirty  
8 electricity is or electric smog, so I can't answer  
9 that question.

10 MS. DICKSON: Does the opt-out meter,  
11 digital meter contain a switch mode power supply?

12 MS. DRAGOO: I cannot answer that  
13 question either.

14 MR. DICKSON: I would like to point  
15 out, your Honor, that we've asked numerous technical  
16 questions. She brought up that she had experience  
17 and she kind of was brought in my opinion to be able  
18 to attest to the safety and/or what these meters do  
19 and I think we've shown she's unable to, so I would  
20 say her testimony regarding the safety of these  
21 issues is really void. She's not qualified to say  
22 that these meters are safe.

23 JUDGE BURTON: The Commission will not  
24 strike her testimony that has been offered, but if  
25 you're looking, the Commission will evaluate the

1 credibility and the level of knowledge that she has  
2 on these issues when evaluating the case.

3 MR. DICKSON: That's all the questions  
4 I have.

5 MR. WILLIAMS: Mrs. Dragoo, you  
6 mentioned several times in your first questions with  
7 Mr. Steiner that the AMI meters that are deployed do  
8 not create an increased fire hazard. Could you  
9 clarify that statement? Are either analog meters or  
10 digital meters, are they also capable of creating a  
11 fire hazard?

12 MS. DRAGOO: So what I'm looking at  
13 there is increased threat of fire, meaning when you  
14 have an analog meter, a digital meter, or an AMI  
15 meter, there is always something that could happen  
16 inside a home with their electricity. It could be  
17 the meter clips have a problem, the meter socket has  
18 an issue, the entrance wire to the home, fires are  
19 started in people's breaker panels. That all is  
20 resulting around electricity; however, it has nothing  
21 to do with the meter. So my statement is there's no  
22 increased threat of fires as I don't believe that the  
23 threat of fires is any greater with an AMI meter than  
24 it is with a digital meter than it is with an analog  
25 meter.

1 MR. WILLIAMS: Thank you. Now, you  
2 just --

3 MR. DICKSON: Can I just object to one  
4 thing?

5 JUDGE BURTON: It's already answered.  
6 At this point it's too late.

7 MR. WILLIAMS: In your questioning  
8 with Mr. Dickson you said that you could not speak to  
9 the process of removal of meters after destruction  
10 such as a fire. Are you aware or can you speak to  
11 any protocols that KCP&L or GMO uses to identify  
12 potentially defective meters that are either  
13 performing out of conformance with either your  
14 expectations or the manufacturer's expectations?

15 MS. DRAGOO: I could talk a little bit  
16 about this only in the sense of our annual sample  
17 testing or any meter testing that we would be doing  
18 in the field. There are indicators that we might get  
19 through these diagnostic flags that might take us to  
20 the meter to do a check or a test, if that's kind of  
21 what you're talking about.

22 MR. WILLIAMS: If you were to receive  
23 a diagnostic flag, as you state, and a meter were  
24 either performing in a manner not in conformance with  
25 your expectation or the manufacturer's warranty, what

1 procedure would your company take to either evaluate  
2 the meter and should it be determined to somehow be  
3 defective or non-conformant, what steps would you  
4 take at that point?

5 MS. DRAGOO: I'm not, again, involved  
6 in this detail of the process, so I really can't  
7 answer the details.

8 MR. WILLIAMS: That's fine. Thank  
9 you.

10 JUDGE BURTON: What level of RFs are  
11 permitted by the FCC standards?

12 MS. DRAGOO: So they measure that in  
13 the microwatts per centimeter squared and they look I  
14 think at two different levels, sort of what you  
15 are -- a controlled environment and then sort of the  
16 occupational or the public environment. So I would  
17 have to look through my notes here to look at the  
18 specific number, if you don't mind. I'm not sure if  
19 this is in here.

20 So the maximum permissible exposure,  
21 they give a table here for the power density, is that  
22 is what you're looking for, residential and CNI end  
23 points is .6.

24 JUDGE BURTON: And it's your testimony  
25 that these smart meters that are used by GMO are .1

1 microwatts per centimeter squared?

2 MS. DRAGOO: I believe that is  
3 correct, yes.

4 JUDGE BURTON: And this is based on  
5 testing that's been performed by GMO or through the  
6 manufacturer?

7 MS. DRAGOO: Through the manufacturer.

8 JUDGE BURTON: And the name of the  
9 manufacturer again?

10 MS. DRAGOO: L&G, Landis and Gyr.

11 JUDGE BURTON: Now, you had previously  
12 referenced diagnostic alerts or pings that might come  
13 through. Can you describe what type of diagnostic  
14 alerts GMO might receive?

15 MS. DRAGOO: Well, we would get a  
16 power outage and that could be an indicator of a bad  
17 connection, so we may receive a power out flag that  
18 reflects that the power is not really out at the  
19 customer's home, but that would reflect a bad  
20 connection with the meter socket, the meter clips,  
21 and so we would be able to go at that point and do  
22 some investigation on more of the equipment. That  
23 isn't really the meter, it's more the equipment  
24 attached to the meter as an example.

25 JUDGE BURTON: Now, there's been



1 discussion about December 22nd of this year being the  
2 date for the tariff going into effect for GMO for the  
3 opt-out option for the digital. Has the company  
4 already established a plan for how people can sign up  
5 or are there already registrations for this program?

6 MS. DRAGOO: We are working on that  
7 process right now. We're developing it and I believe  
8 ready to have soon conversations with the Staff, so  
9 it's not been 100 percent vetted out. I'm glad to  
10 talk through what we expect, if that's helpful.

11 JUDGE BURTON: What do you expect?

12 MS. DRAGOO: We expect that the  
13 customer would need to fill out a form, basically  
14 acknowledge that they'll be getting a nonstandard  
15 device. They'll have to pay the \$150 up front before  
16 we would go out to exchange the meter, then we'll be,  
17 again, manually tracking all this stuff on the back  
18 end to ensure that the monthly charge is applied and  
19 that the meter gets read.

20 JUDGE BURTON: There was also a  
21 discussion about the potential or attempt by GMO to  
22 seek UL certification for the meters?

23 MS. DRAGOO: Right. So it wouldn't be  
24 GMO that would be certifying the meters, it would be  
25 an actual UL certification through the vendor,

1 through L&G, and they have gone through this process  
2 to get this certification for their meters. They're  
3 the exact same meters we're using today, no change in  
4 components or anything like that, but because we  
5 purchased the meters before they went through this UL  
6 certification process, our meters don't have the UL  
7 stamp on them.

8 JUDGE BURTON: Do you know what the  
9 status is as far as their UL certification for L&G?

10 MS. DRAGOO: It has been completed.

11 JUDGE BURTON: When was that?

12 MS. DRAGOO: I don't have a date. I  
13 want to say this year, but I don't know.

14 MR. DICKSON: Completed or certified?

15 MS. DRAGOO: Completed the effort to  
16 get certified with UL.

17 JUDGE BURTON: So they're waiting a  
18 determination on certification?

19 MS. DRAGOO: I believe from my  
20 knowledge, and I don't have the documentation in  
21 front of me, that they are officially UL certified.

22 JUDGE BURTON: Thank you. That's all  
23 the questions I have. Any redirect?

24 MR. STEINER: Yes, your Honor.

25 I think you were talking to

1 Mr. Dickson about the documents that you would get  
2 from manufacturers and whether you had the knowledge  
3 to answer questions or ask questions about them.  
4 Does KCP&L have engineers that would have reviewed  
5 all of the documents that a meter manufacturer would  
6 have given us to see if the meters were appropriate  
7 for our system?

8 MS. DRAGOO: Absolutely.

9 MR. STEINER: And was that review done  
10 by the engineers?

11 MS. DRAGOO: Yes.

12 MR. STEINER: You were also talking to  
13 him about the individuals that installed the smart  
14 meter at the Dickson house. Were those individuals  
15 that did this meter install, were they trained by the  
16 company before they went out to the houses on how to  
17 replace the meter, how to switch out the meters?

18 MS. DRAGOO: Yes.

19 MR. STEINER: What did that training  
20 consist of, do you know?

21 MS. DRAGOO: So I don't know the  
22 specifics of the training. I do know that as company  
23 employees they would be trained. We also made sure  
24 that the contractors were also trained on the  
25 expectations and the process to follow for the meter

1 exchanges.

2 MR. STEINER: Did the company receive  
3 any complaints that the exchanges were done  
4 inappropriately?

5 MS. DRAGOO: Not to my knowledge.

6 MR. STEINER: You were talking with  
7 Staff counsel about the fire hazard issue and I  
8 believe you said that the fires could be caused by  
9 any number of things, a couple things you mentioned  
10 were meter clips and --

11 MR. DICKSON: I object. She's no  
12 expert on this, she's just giving her opinion. She's  
13 not an expert on what would cause these fires.

14 MR. STEINER: I'm just asking what the  
15 Staff asked her and she is an expert on meters and  
16 what the company's response is to fires.

17 MR. DICKSON: She couldn't tell me  
18 what was even in the meter, so I wouldn't call her an  
19 expert on the meters.

20 JUDGE BURTON: I'll overrule the  
21 objection for now and see what the witness knows.

22 MR. STEINER: You said a meter clip  
23 could have started a fire. Is that inside a meter?

24 MS. DRAGOO: No, it is not. Meter  
25 clips are what is in the meter can in the base of the

1 meter that the meter then ports into.

2 MR. STEINER: So the meter clip is  
3 actually part of the home wiring; is that correct?

4 MS. DRAGOO: It's part of the meter  
5 can, yes.

6 MR. STEINER: So what I believe you  
7 said is fires have been caused by those meter clips?

8 MS. DRAGOO: Yes.

9 MR. STEINER: And that means that the  
10 fire was not caused by the meter, is that what you're  
11 saying?

12 MS. DRAGOO: Correct.

13 MR. STEINER: You were talking to the  
14 judge about the diagnostic alert or ping. The AMI  
15 meters that the company installs do not continuously  
16 send RF signal out; is that correct?

17 MS. DRAGOO: Correct.

18 MR. DICKSON: Object. Her testimony  
19 was not that they did not send out signals, she said  
20 they only receive it six times. She could not  
21 testify as to how many times a signal went out.

22 MS. DRAGOO: You asked me if they  
23 could emit RF constantly, right?

24 MR. STEINER: Correct.

25 MS. DRAGOO: They do not.

1 MR. STEINER: Right.

2 That's all I have, your Honor.

3 JUDGE BURTON: This witness is  
4 excused.

5 MR. DICKSON: May I ask some more  
6 questions?

7 JUDGE BURTON: Are there any  
8 objections?

9 MR. STEINER: Yeah. I think we have  
10 gone through the process. He had his chance.

11 JUDGE BURTON: Does the company have  
12 any other witness that they would like to call?

13 MR. STEINER: Do not.

14 JUDGE BURTON: Staff?

15 MR. WILLIAMS: I do.

16 JUDGE BURTON: Please raise your right  
17 hand. Do you swear or affirm that the statements you  
18 are about to give will be the truth, the whole truth,  
19 and nothing but the truth?

20 MR. POSTON: I do.

21 (Staff Exhibits 1 and 2 previously  
22 marked for identification.)

23 CHARLES POSTON,  
24 being first duly sworn, testified under oath as  
25 follows:

1 JUDGE BURTON: Would you please state  
2 your name and spell it for the record.

3 MR. POSTON: Charles Poston,  
4 P-O-S-T-O-N.

5 JUDGE BURTON: Thank you.

6 MR. WILLIAMS: Mr. Poston, please  
7 state your full name and with whom you are employed.

8 MR. POSTON: My name is Charles  
9 Poston. I am a Staff engineer for the Missouri  
10 Public Service Commission.

11 MR. WILLIAMS: Mr. Poston, what's your  
12 educational background?

13 MR. POSTON: I have a bachelor's  
14 degree from the University of Missouri, Columbia, in  
15 civil engineering and a master's degree from Columbia  
16 in nuclear engineering.

17 MR. WILLIAMS: And prior to joining  
18 the Public Service Commission, please briefly  
19 summarize your professional work experience.

20 MR. POSTON: Following my graduation I  
21 spent five years working at the Callaway Nuclear  
22 Power Plant for Ameren Missouri.

23 MR. WILLIAMS: Thank you. Mr. Poston,  
24 did you prepare a Staff report marked as highly  
25 confidential dated May 13th, 2016, and I've marked as

1 Staff Exhibit 1?

2 MR. POSTON: Yes.

3 MR. WILLIAMS: Can you please describe  
4 what information you reviewed in preparation of that  
5 report?

6 MR. POSTON: In that report I examined  
7 some claims made by the complainants and reviewed  
8 Staff rules, Staff orders, state law looking at their  
9 claims that those were being violated. I also  
10 reviewed FCC rules regarding exposure to levels of  
11 EMF radiation.

12 MR. WILLIAMS: And with respect to the  
13 conclusion from your report, did you identify any  
14 rule, Commission rule, statute, or a tariff that GMO  
15 would have violated in the installation or use of  
16 these AMI meters?

17 MR. POSTON: No, I did not.

18 MR. WILLIAMS: Mr. Poston, did you  
19 prepare a memorandum entitled Staff's Inspection  
20 Report dated August 31st, 2016, and marked as Staff  
21 Exhibit 2?

22 MR. POSTON: Yes.

23 MR. WILLIAMS: Could you please  
24 describe the process that Staff and the GMO had  
25 developed to actually investigate the meter at issue?



1 MR. POSTON: Yes. Following our  
2 initial report we requested that a test be done at  
3 the home of the complainants to examine the meter to  
4 see if there were any evidence of gross defect. Once  
5 we arrived on site, we met with representatives of  
6 the company. They brought with them an RF meter, a  
7 handheld RF meter. The meter itself did not read out  
8 in power density. We had discussed with the company  
9 previously if they could do that. They said they did  
10 not have the equipment to read that information, so  
11 instead it's hard for me to simply respond to the  
12 presence or absence of RF radiation corresponding  
13 with transmission from the meter.

14 A technician from the company removed  
15 the cover on the meter base. Visual examination was  
16 done. The exposed equipment at no time was the meter  
17 ever removed, power was never interrupted. That  
18 visual inspection did not find any evidence of  
19 burning or scorching or overheating of any of the  
20 visible equipment. With the meter base cover  
21 replaced we were able to approach the meter again and  
22 use the RF meter to look for evidence of transmission  
23 from the meter. The device was held approximately  
24 one foot away from the meter and when it would  
25 transmit a signal, the needle on the RF meter would

1 deflect showing a transmission had occurred.

2 During that time when we examined the  
3 meter on the Dicksons' home we watched the needle  
4 deflect several times.

5 MR. WILLIAMS: Mr. Poston, was the  
6 Dicksons' meter the only meter that Staff reviewed  
7 that day?

8 MR. POSTON: No. We also examined the  
9 meter on their neighbors' home as well. We did not  
10 remove the cover from the meter; instead we only  
11 checked it with the RF meter itself looking for  
12 expected patterns of transmission, looking for any  
13 gross defect such as continuously on or not  
14 transmitting at all.

15 MR. WILLIAMS: And from the conclusion  
16 of your report and the investigation that Staff  
17 conducted were you able to conclude that the meter  
18 that is installed at the Dicksons' home is not in  
19 either a gross defect or noncompliance to the best of  
20 your ability?

21 MR. POSTON: That is correct.

22 MR. WILLIAMS: To the best of your  
23 recollection do you recall the day that the  
24 inspection took place?

25 MR. POSTON: The date?

1 MR. WILLIAMS: Yes.

2 MR. POSTON: I believe it was August  
3 the 25th.

4 MR. WILLIAMS: I have no further  
5 questions, your Honor. I'd move to submit the Staff  
6 Exhibits 1 and 2 into the record.

7 JUDGE BURTON: At this time Staff has  
8 offered Staff Exhibit 1 and 2. Are there any  
9 objections to the admission of those exhibits?

10 MR. DICKSON: No.

11 JUDGE BURTON: Hearing none, Exhibits  
12 1 and 2 are admitted. At this point I'll see if,  
13 Mr. Steiner, you have any questions for this witness.

14 MR. STEINER: Hold on a second. I  
15 don't believe I do.

16 JUDGE BURTON: Thank you.  
17 Mr. Dickson?

18 MR. DICKSON: Hello. You testified  
19 you wanted to do a power density check. Why did you  
20 want to do that?

21 MR. POSTON: Based upon the FCC  
22 regulations that were provided for -- the units of  
23 measure they use were in units of microwatts, I  
24 believe milliwatts per square centimeter, and the  
25 most direct way to find if a smart meter was

1 exceeding those limits would be to directly measure  
2 power density. That's why we initially discussed  
3 doing those sorts of measurements. However, it was  
4 made clear to us by the company that they did not  
5 have the capability or the equipment to do that test.

6 MR. DICKSON: So without that test no  
7 one can say for sure that those meters on my house or  
8 neighbors' house are within the FCC standard because  
9 the density was not tested?

10 MR. POSTON: The power density for the  
11 type of meter I believe was tested by the  
12 manufacturer as part of the qualification for that  
13 type of meter. The specific meter that is on your  
14 house, I don't know if it was ever tested to that  
15 same degree. It would have the same components as  
16 the meters that were tested for qualification, but if  
17 that specific meter was tested, I have no knowledge  
18 of it.

19 MR. DICKSON: Earlier testimony by  
20 Julie Dragoo said that the meter was within  
21 standards. Without that density can she accurately  
22 say that it's within standard?

23 MR. POSTON: How I would respond to  
24 this is saying that the tests that were done for the  
25 qualification of the meter type are done in a

1 laboratory setting with a special setup and special  
2 equipment. I would not expect 300,000 or a million  
3 meters to be tested individually in that setup. At  
4 some point, as with any product produced by a  
5 manufacturer, you would take a representative sample  
6 perhaps, but not every -- I would not expect every  
7 piece of equipment to receive the same test.

8 MR. DICKSON: Earlier testimony by  
9 Julie Dragoo stated that apparently we are the only  
10 formal complaint. In your opinion would you think it  
11 would be reasonable if you got a formal complaint,  
12 then in this instance it would be reasonable to take  
13 a density check?

14 MR. POSTON: To perform a power  
15 density test from the meter in question it would have  
16 to be removed from your home and sent to a laboratory  
17 to be tested. In the meantime a second meter would  
18 have to be replaced onto your home to allow you to  
19 continue to have electric service, a meter of the  
20 identical type that would have not been tested. I  
21 don't want to speak for the company in this, but it  
22 would seem very labor and resource intensive to have  
23 the meter currently in your house sent out,  
24 laboratory tested, and then sent back and then  
25 reinstalled. I would not expect that to occur.

1 MR. DICKSON: Is there no way -- is  
2 there a way to test the density or amount that's  
3 coming into my house between the three meters  
4 surrounding me? You testified you would have to take  
5 that meter off for density. Is there no way -- is  
6 there no portable way to test how much current -- I'm  
7 not using the correct terminology, I apologize, but  
8 what's coming into my house when it comes with the  
9 pings?

10 MR. POSTON: I believe there are  
11 portable meters capable of that function. It was  
12 made clear to me that the company does not have  
13 meters such as that, neither does the Commission  
14 Staff.

15 MR. DICKSON: You did testify that  
16 while you were there, the -- what you did use, the  
17 needle moved several times?

18 MR. POSTON: Correct.

19 MR. DICKSON: What does that mean when  
20 it moves?

21 MR. POSTON: The company  
22 representative performing the test said that was  
23 evidence of transmission from the meter itself.

24 MR. DICKSON: How many time did you  
25 see it move?

1 MR. POSTON: Several.

2 MR. DICKSON: Would you say that's  
3 more than once every four hours?

4 MR. POSTON: Yes.

5 MR. DICKSON: From what you saw in  
6 your opinion does it appear that it pings every few  
7 seconds?

8 MR. POSTON: All I can testify to is  
9 that we saw what appeared to be transmission activity  
10 several times over the period we looked.

11 MR. DICKSON: And what was the period  
12 you looked?

13 MR. POSTON: Less than a minute.

14 MR. DICKSON: Even if we say three  
15 times a minute, that's much more than the once every  
16 four hours that they testified to; correct?

17 MR. POSTON: That is correct.

18 MR. DICKSON: Now, you testified that  
19 they took the cover off and everybody got back. Why  
20 did everybody get back?

21 MR. POSTON: Electrical safety. There  
22 are exposed conductors and because of that we were  
23 asked to step away from the meter because only one  
24 person present had the appropriate safety equipment  
25 to get close.

1 MR. DICKSON: Is there any concern  
2 regarding exposure from the pings, from the emittance  
3 of the signal?

4 MR. POSTON: For who?

5 MR. DICKSON: When the cover is off  
6 that it's stronger.

7 MR. POSTON: I don't believe so.

8 MR. DICKSON: Have you ever removed or  
9 installed a meter?

10 MR. POSTON: No.

11 MR. DICKSON: Does a smart meter have  
12 a surge arrester?

13 MR. POSTON: I can't speak to that for  
14 this particular model. I do not know.

15 MR. DICKSON: Are you aware of any  
16 smart meters with a surge arrester?

17 MR. POSTON: Can't speak to that, I do  
18 not know.

19 MR. DICKSON: Earlier testimony talked  
20 about the -- I apologize if I use the incorrect term,  
21 the clips that it clips into, and they said if that  
22 causes it, that's because of the house. But upon  
23 installation don't they have to insert things in  
24 those clips and could those not be damaged by the  
25 installer?



1 MR. POSTON: It's possible.

2 MR. DICKSON: And if those were  
3 damaged, could that cause arcing?

4 MR. POSTON: Depends on the type of  
5 damage.

6 MR. DICKSON: Is arcing -- in your  
7 opinion would arcing be a cause of a fire or  
8 potentially contribute or increase the chance of  
9 fire?

10 MR. POSTON: Possibly.

11 MR. DICKSON: An analog meter had a  
12 metal alloy backing and a smart meter has a plastic.  
13 Which one has a lower melting rate?

14 MR. POSTON: Typically plastic has a  
15 lower melting point than metal.

16 MR. DICKSON: For something that's  
17 dealing with electricity throughout a whole house, in  
18 your opinion does plastic make sense for a meter  
19 after decades that they always had metal? Why would  
20 someone put in your opinion -- why would a plastic be  
21 on the back if it melts faster?

22 MR. POSTON: I can't speak to the  
23 manufacturing decisions made by the vendor who made  
24 these. Anything I would say would be speculation.

25 MR. DICKSON: Have you investigated

1 any fires that were potentially caused by smart  
2 meters?

3 MR. POSTON: No.

4 MR. DICKSON: Are you aware of the  
5 issues that are occurring around the country and  
6 allegations that smart meters are causing fires?

7 MR. POSTON: I am aware of the  
8 information you submitted into EFIS. I have reviewed  
9 that.

10 MR. DICKSON: In your expertise as an  
11 engineer, smart meters that have a thinner blade, is  
12 there a greater potential for arcing?

13 MR. POSTON: I don't know.

14 MR. DICKSON: In your study of  
15 engineering if you had a thinner blade going into a  
16 clip, would there be a greater potential for arcing?

17 MR. POSTON: Assuming everything is  
18 designed to work together, no. Just the presence of  
19 a thinner piece of material does not necessarily  
20 imply increased risk.

21 MR. DICKSON: But if there's space,  
22 there's greater potential versus a tight-fitting  
23 clip; is that correct?

24 MR. POSTON: Possibly. Poor  
25 electrical contact can cause heating and cause

1 problems.

2 MR. DICKSON: Are you aware of the  
3 term dirty electricity?

4 MR. POSTON: Only through the  
5 information you have provided in EFIS and through  
6 some small amount of independent research I've done  
7 in response to this case.

8 MR. DICKSON: In your research that  
9 you found and the material you looked at is dirty  
10 electricity -- does that have negative impact on the  
11 health of humans?

12 MR. POSTON: My opinion is that, no,  
13 it does not.

14 MR. DICKSON: But the material you  
15 looked at, what did it say?

16 MR. POSTON: It said there was.

17 MR. DICKSON: Now, the material you  
18 looked at --

19 MR. STEINER: I'm going to object.  
20 This is hearsay again. He is allowed to look at  
21 hearsay evidence to form his opinion and he's already  
22 said what his opinion is, so I don't think you can  
23 get this material in through this witness because he  
24 didn't rely on it to make his opinion.

25 JUDGE BURTON: I'm going to allow him

1 to answer to the point that he stated that he did  
2 review material that might have said something that  
3 was different from what his final opinion is.

4 MR. STEINER: Can I voir dire the  
5 witness to see if he reviewed that material to give  
6 his expert opinion? Because I think that would be  
7 the only way that it would be an exception to the  
8 hearsay rule.

9 JUDGE BURTON: I'll allow that.

10 MR. STEINER: Did you review the  
11 Dicksons' information to give a basis of your expert  
12 opinion on the safety of the meter?

13 MR. POSTON: In part, yes.

14 MR. DICKSON: In your study of the  
15 material did you -- in your experience have you ever  
16 seen clustering of cancer cases around cell phone  
17 towers?

18 MR. POSTON: Personally have I seen  
19 it? I've seen it in documentation that you provided,  
20 but beyond that, no.

21 MR. DICKSON: If the smart meter does  
22 not have a surge arrester, is there a greater chance  
23 that any surges or dirty electricity would go back  
24 into the house?

25 MR. POSTON: I testified previously I

1 don't know if the meter has a surge arrester or not.

2 MR. DICKSON: My question is if it did  
3 not have one, due to your expertise in engineering if  
4 there's no surge arrester, would there be a greater  
5 chance for it to go into the house?

6 MR. POSTON: I don't know.

7 MR. DICKSON: What is the purpose of a  
8 surge arrester?

9 MR. POSTON: Surge arrester, I'm not  
10 trying to be flippant, it arrests power surges.

11 MR. DICKSON: And does what with that  
12 surge?

13 MR. POSTON: It should prevent it from  
14 going into the home.

15 MR. DICKSON: So if there isn't one,  
16 from that testimony common sense would be there would  
17 be a greater chance it would go back into the home?

18 MR. POSTON: I don't know enough about  
19 the specific design of the safety features within  
20 these meters to be able to say that definitively.

21 MR. DICKSON: But the purpose of the  
22 surge arrester is to keep it from going into the  
23 home; right?

24 MR. POSTON: I believe so, yes.

25 MR. DICKSON: I apologize, your Honor,

1 may I have a moment?

2 JUDGE BURTON: Yes.

3 MR. DICKSON: Can you give any  
4 testimony regarding the cumulative effect of all the  
5 meters going toward my house?

6 MR. POSTON: We didn't measure, we  
7 don't have any specific measurements about the  
8 density of the -- the power density experienced  
9 inside your home, so I could not speak specifically  
10 to that, no.

11 MR. DICKSON: But you did testify that  
12 neighbors were pointing at my house?

13 MR. POSTON: Your neighbors do have  
14 smart meters and they are in close proximity to your  
15 home, yes.

16 MR. DICKSON: And when they were  
17 tested, the needle moved several times in the minute  
18 you looked?

19 MR. POSTON: The one meter we did  
20 test, yes. We saw multiple pulses on the RF meter.

21 MR. DICKSON: And that one meter we're  
22 talking about is my neighbors' meter; correct?

23 MR. POSTON: Correct.

24 MR. DICKSON: And my meter was doing  
25 the same?

1 MR. POSTON: Correct.

2 MR. DICKSON: No other questions.

3 Thank you so much.

4 JUDGE BURTON: I just have a few  
5 questions. What would a power density check be used  
6 for? What would it be helpful in determining?

7 MR. POSTON: Specifically it would  
8 address whether or not the meter is broadcasting an  
9 RF signal in excess of the limits put forth in the  
10 FCC regulations.

11 JUDGE BURTON: What type of testing do  
12 you know occurs with these meters by the  
13 manufacturers.

14 MR. POSTON: I believe it's Attachment  
15 C.

16 JUDGE BURTON: Attachment C to Exhibit  
17 1.

18 MR. POSTON: To Exhibit 1 has a  
19 summary of those test results.

20 JUDGE BURTON: Okay.

21 MR. POSTON: I will also mention as a  
22 part of Exhibit 2, Attachment C to Exhibit 1 was for  
23 a smart meter very similar to the Landis and Gyr  
24 meter used at the Dicksons' home, but it is not  
25 identical. It is the same basic function, the same

1 frequencies and similar power levels for the  
2 transmitter, but they're not exactly the same.

3 JUDGE BURTON: Same manufacturer  
4 though?

5 MR. POSTON: Same manufacturer, yes.

6 JUDGE BURTON: Do you know what the  
7 distinctions are?

8 MR. POSTON: I believe the meter that  
9 is installed at the Dicksons' home, it's a  
10 residential-style meter, and the one in Attachment C  
11 is commercial style.

12 JUDGE BURTON: So something perhaps  
13 meant for larger numbers; is that correct?

14 MR. POSTON: I believe that to be  
15 true, yes.

16 JUDGE BURTON: Now, are you familiar  
17 at all in your experience with an EarthCalm Infinity  
18 Home System?

19 MR. POSTON: I'm only familiar with it  
20 through research related to this case and the only  
21 research I did was online at the EarthCalm website  
22 and I did watch some additional informational videos  
23 that were available on the Internet. I've never seen  
24 one in person.

25 JUDGE BURTON: What site did you go to



1 on the Internet?

2 MR. POSTON: The EarthCalm home page  
3 where they sell these items.

4 JUDGE BURTON: And that's where you  
5 observed the videos?

6 MR. POSTON: No. This was a different  
7 video I saw when I was searching for that site.

8 JUDGE BURTON: Are you familiar with  
9 what the EarthCalm Infinity system is purported to  
10 do?

11 MR. POSTON: It's I believe to protect  
12 from exposure to RF radiation.

13 JUDGE BURTON: Do you know how?

14 MR. POSTON: No. I read the  
15 information provided on the EarthCalm website and it  
16 didn't make a lot of sense to me.

17 JUDGE BURTON: Can you elaborate?

18 MR. POSTON: They made a lot of claims  
19 that appear to be unsubstantiated about the  
20 effectiveness on how things worked. It appeared to  
21 be in my opinion technobabble.

22 JUDGE BURTON: Were there any concerns  
23 that you had when you went out on August 25th to  
24 perform the inspection about the meters deflecting  
25 with the pings I guess is how you would say it?

1 MR. POSTON: Repeat that, please.

2 JUDGE BURTON: Did you have any  
3 concerns about the level, numbers, and consistency of  
4 the deflections that were measured on August 25th?

5 MR. POSTON: No. When I spoke with  
6 the representative of GMO at the time, he said that  
7 was to be expected. That was expected behavior of  
8 the meters. And I believe that was due to the mesh  
9 network that was described earlier in that data from  
10 the meter on usage at the house it's installed at is  
11 transmitted once every four hours, but that in the  
12 mesh network I believe the meters can relay  
13 information from other meters. So that would be  
14 transmitting information not specifically about the  
15 usage at that home where it was installed at.

16 JUDGE BURTON: Thank you. Those are  
17 all the questions I have. Redirect?

18 MR. WILLIAMS: Just one question.  
19 With respect to the testing that was conducted at the  
20 Dicksons' home, can you just again describe the  
21 purpose that Staff believed could be achieved through  
22 using RF meter reader?

23 MR. POSTON: With the RF meter present  
24 we were able to see if the smart meter in question  
25 was transmitting constantly, transmitting

1     intermittently, or not transmitting at all. The  
2     observations we made showed that it was transmitting  
3     intermittently.

4                     MR. WILLIAMS: Thank you. No further  
5     questions, your Honor.

6                     JUDGE BURTON: Thank you, you're  
7     excused, Mr. Poston.

8                     At this time I believe that concludes  
9     the taking of testimony from all the witnesses.  
10    Normally the parties are allowed either an  
11    opportunity for closing statements or briefs to be  
12    presented to the Commission and we normally allow for  
13    the Public Service Commission, the presentation of  
14    briefs. That allows the parties time to review the  
15    exhibits and the testimony.

16                    Now, what will happen now is this  
17    smart lady will transcribe everything that has been  
18    stated today and it will be submitted into EFIS, a  
19    copy of the transcript. At that point I'll give the  
20    parties a time to be able to review that and submit  
21    briefs that are going to be post hearing for the  
22    Commission to consider.

23                    Now, I also know that we had your  
24    request to admit the exhibits earlier for the  
25    articles that were submitted into the filing system.

1 That's just the case system EFIS, electric filing  
2 information system. I will allow you as part of the  
3 briefing schedule an opportunity to submit a post  
4 hearing motion for inclusion of those exhibits. So  
5 if we're looking at November 4th for the potential  
6 availability of the transcript, why don't I give the  
7 parties until November 18th to submit post hearing  
8 briefs, be prepared to eat a lot of turkey for  
9 Thanksgiving, and also to include any of your post  
10 hearing motions on the exhibits. I will keep the  
11 record open for right now for any of those issues.

12 And as part of that, just so you're  
13 aware, any motions that you might submit for  
14 inclusion will also be answered with a potential  
15 response by the parties and I will make sure that  
16 there's enough time for that to be included as well  
17 into the timing.

18 MR. DICKSON: Thank you.

19 JUDGE BURTON: Are there any other  
20 questions before we go off the record? I see none.  
21 I want to thank everyone for your participation and  
22 presence here today and I hope you have a very good  
23 day. We are off the record.

24 (Proceedings concluded at 1:26 p.m.)

25

## 1 I N D E X

2

3 WITNESS NAME: PAGE:

4 James Dickson 15

5 Angela Dickson 45

6 Julie Dragoo 69

7 Charles Poston 102

8

9

## 10 E X H I B I T S

11 EXHIBIT NUMBER: MARKED: RECEIVED:

12 Staff Exhibit 1 102 107

13 Staff Exhibit 2 102 107

14

15 NOTE: Staff Exhibits 1 and 2 were retained by

16 Judge Burton.

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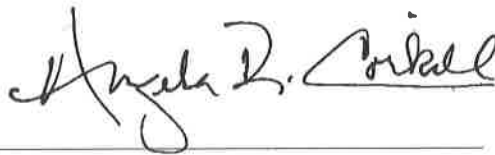
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C E R T I F I C A T E

I, Angela R. Corkill, a Certified Court  
Reporter, do hereby certify:

That said proceedings were taken down by  
me in shorthand at the time and place hereinbefore  
stated and was thereafter reduced to writing under my  
direction;

That I am not a relative or employee or  
attorney or counsel of any of the parties, or a  
relative or employee of such attorney or counsel, or  
financially interested in the action.

A handwritten signature in cursive script, reading "Angela R. Corkill", is written over a horizontal line.

Angela R. Corkill

CSR No. 1387, CCR No. 961

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