

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

| | | |
|--------------------------------------|---|------------|
| ELECTRONIC APPLICATION OF LOUISVILLE |) | |
| GAS AND ELECTRIC COMPANY FOR AN |) | |
| ADJUSTMENT OF ITS ELECTRIC AND GAS |) | |
| RATES, A CERTIFICATE OF PUBLIC |) | |
| CONVENIENCE AND NECESSITY TO DEPLOY |) | CASE NO. |
| ADVANCED METERING INFRASTRUCTURE, |) | 2020-00350 |
| APPROVAL OF CERTAIN REGULATORY AND |) | |
| ACCOUNTING TREATMENTS, AND |) | |
| ESTABLISHMENT OF A ONE-YEAR |) | |
| SURCREDIT |) | |

NOTICE OF FILING

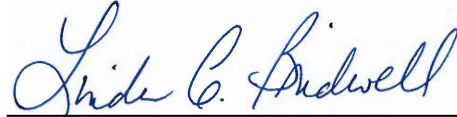
Notice is given to all parties that the following materials have been filed into the record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on April 28, 2021 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- All exhibits introduced at the evidentiary hearing conducted on April 28, 2021 in this proceeding;
- A written log listing, inter alia, the date and time of where each witness' testimony begins and ends on the digital video recording of the evidentiary hearing conducted on April 28, 2021.

A copy of this Notice, the certification of the digital video record, and hearing log have been served upon all persons listed at the end of this Notice. Parties desiring to view the digital video recording of the hearing may do so at <https://youtu.be/MOS7HXLjTM8>.

Parties wishing an annotated digital video recording may submit a written request by electronic mail to pscfilings@ky.gov. A minimal fee will be assessed for a copy of this recording.

Done at Frankfort, Kentucky, this 11th day of May 2021.

A handwritten signature in blue ink that reads "Linda C. Bridwell". The signature is written in a cursive style with a horizontal line underneath it.

Linda C. Bridwell
Executive Director
Public Service Commission of Kentucky

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF KENTUCKY)
UTILITIES COMPANY FOR AN ADJUSTMENT OF)
ITS ELECTRIC RATES, A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO DEPLOY)
ADVANCED METERING INFRASTRUCTURE,)
APPROVAL OF CERTAIN REGULATORY AND)
ACCOUNTING TREATMENTS, AND)
ESTABLISHMENT OF A ONE-YEAR SURCREDIT)
ELECTRONIC APPLICATION OF LOUISVILLE GAS)
AND ELECTRIC COMPANY FOR AN ADJUSTMENT)
OF ITS ELECTRIC AND GAS RATES, A)
CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO DEPLOY ADVANCED METERING)
INFRASTRUCTURE, APPROVAL OF CERTAIN)
REGULATORY AND ACCOUNTING TREATMENTS,)
AND ESTABLISHMENT OF A ONE-YEAR)
SURCREDIT)

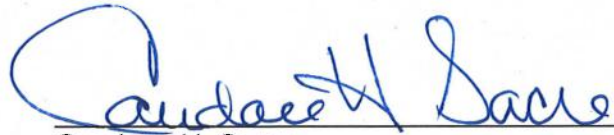
CASE NOS.
2020-00349 & 2020-00350

CERTIFICATION

I, Candace H. Sacre, hereby certify that:

1. The attached flash drive contains a digital recording of the Formal Hearing conducted in the above-styled proceeding on April 28, 2021. The Formal Hearing Log, Exhibit, and Exhibit List are included with the recording on April 28, 2021;
2. I am responsible for the preparation of the digital recording;
3. The digital recording accurately and correctly depicts the Formal Hearing of April 28, 2021; and
4. The Formal Hearing Log attached to this Certificate accurately and correctly states the events that occurred at the Formal Hearing of April 28, 2021, and the time at which each occurred.

Signed this 2nd day of May, 2021.



Candace H. Sacre
Administrative Specialist III



Stephanie Schweighardt
Notary Public State at Large ID#: 614400
Commission Expires: January 14, 2023



Session Report - Detail

2020-00349 2020-00350

28Apr2021

**Kentucky Utilities (KU) and
Louisville Gas and Electric
Company (LG&E)**

| Date: | Type: | Location: | Department: |
|-----------|--------------------------------|----------------|-----------------------|
| 4/28/2021 | Public Hearing\Public Comments | Hearing Room 1 | Hearing Room 1 (HR 1) |

Witness: Justin Barnes; Lonnie Bellar; Robert Conroy; Benjamin Inskip; Karl Rabago
 Judge: Kent Chandler; Talina Mathews; Michael Schmitt
 Clerk: Candace Sacre

| Event Time | Log Event |
|------------|---|
| 9:05:42 AM | Session Started |
| 9:05:51 AM | Chairman Schmitt Note: Sacre, Candace |
| | Back on the record. Note Riggs filed material discussed, will have order reiterates verbal order. |
| 9:06:28 AM | Chairman Schmitt Note: Sacre, Candace |
| | Mr. Fitzgerald? |
| 9:06:58 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Cross Examination (cont'd). Pg 23, lines 8-10, NMS 1 rider submitted application before effective date of rates established in proceedings, see that? |
| 9:07:44 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Company committing applications before date grandfathered under NMS 1? |
| 9:08:14 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | How address it? |
| 9:09:31 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Unclear, state says taking service, does it not? |
| 9:10:17 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Still unclear, statute define in service? |
| 9:10:35 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Discretion on part of company? |
| 9:10:50 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | In service without application? |
| 9:11:11 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Testimony redundant saying have to have application? |
| 9:11:38 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Position of company in order be grandfathered before final order this proceeding have to file application and be connected to grid and generating? |
| 9:12:37 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Illuminates not as proposed in lines 8-10? |
| 9:13:07 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Seelye testified NMS 2 tariff electricity generated by company and fed to grid netted one to one value all electricity consumed, only excess generated would be valued at reduce SQF, your understanding? |
| 9:14:35 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | Just answer question? |
| 9:16:13 AM | Atty Fitzgerald Joint Intervenors - witness Conroy Note: Sacre, Candace |
| | How electrons flow back and forth? |

9:16:22 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Fair to say company proposing instaneous netting where electricity fed at any time hour day week credited lower value but customer charged retail rate for all electricity used over day week month?

9:17:12 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace It is case rather netting use and production over billing cycle, netting instaneous valuing all electricity fed into grid?

9:17:55 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Anything fed in month gets lower value?

9:18:11 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Pg 25 Direct, how many eligible customer generators residential?

9:18:47 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace How many commercial?

9:19:10 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Pg 26 Direct, lines 4-8, customer generator upsizes system align own consumption continue receive same value for energy consumed, see that?

9:20:00 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Familiar rooftop solar array electrons flow back and forth, extra flow out evening?

9:20:21 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Company reduces value fed-in solar during day by three quarters, how say customer receives same value for energy consumed?

9:21:13 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Unless instaneously consuming what generating, oversize system fourfold get to net zero?

9:22:03 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Feed in, get quarter of credit, align generation with consumption, add system four times bigger, right?

9:23:59 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Familiar solar customer instaneously matches consumption every minute of every day?

9:24:19 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace How likely think would be?

9:25:06 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Agree with Seelye alleged subsidy ten cents a year difference between retail and avoided cost?

9:26:24 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Agreement?

9:26:33 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace One percent cap, how large subsidy rise per month per year nonparticipating one to one credit provided?

9:26:59 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Not recall?

9:27:08 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Current DSM available residential customers?

9:27:23 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Don't know any programs offered?

9:27:37 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace That would be great.

9:28:22 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Current cost to residential customers fund programs?

9:28:42 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace What are those?

9:28:59 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Work out for average customer per month?

9:29:14 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace What work out to monthly basis DSM?

9:29:26 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Month?

9:29:44 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace All residential customers participate in DSM?

9:30:02 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace 100 percent participation?

9:30:11 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Useful to renters as to homeowners?

9:30:24 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace All not equally available?

9:30:37 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Return on equity for DSM programs?

9:31:08 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace What offer particular time change may not be cost effective?

9:31:44 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Offer programs not everybody uses but access to, charge buck a month, programs being paid for by nonparticipating customers, here today talking about ten cent a year subsidy on net metering?

9:32:49 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Not think DSM subsidy passed cost effectiveness?

9:33:07 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Do a cost effectiveness test for net metering determining rate compensate fed-in solar?

9:33:46 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Do cost effectiveness test determine alleged ten cents year subsidy?

9:35:27 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Cost effectiveness fed-in customers?

9:35:43 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Companies low income assistance program?

9:36:01 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Nonparticipating not low income help fund?

9:36:21 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace \$3.60 a year?

9:36:30 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Cost effective helping make utility whole paying customer bills?

9:37:29 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Determined as moral people low-income assistance positive value, nonparticipating held fund that we believe is positive?

9:38:14 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Pg 27 Direct, extranality?

9:38:55 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Sinclair response 10 megawatt Brown?

9:39:10 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Read response why Commission approve 10 megawatt solar array, lowers utilities greenhouse gas emissions, hedge against regulation and volatility natural gas, recall?

9:39:49 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Reasons to approve solar array, externalities?

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| 9:40:44 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Consider hedge against greenhouse gas to be externalities adding solar to utility system? |
| 9:41:20 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Look at potential value adding solar as including reduction greenhouse gas emissions? |
| 9:41:37 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Do they when look at future valuations? |
| 9:41:49 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Price affected by greenhouse gas regulations? |
| 9:42:09 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Anticipation put in place, Sinclair testimony, recall? |
| 9:42:44 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Fair to say company believed solar help address greenhouse gas emissions? |
| 9:43:19 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Solar being valuable and helps address greenhouse gas emissions? |
| 9:43:45 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Collective mind of company, rooftop solar distributed generation to grid provide any benefit in avoiding energy cost due to lower consumption? |
| 9:44:28 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Addition rooftop solar grid provide benefit avoid energy cost lower consumption by net metering customer? |
| 9:45:19 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Would addition net metering locational benefits reduce load certain areas? |
| 9:45:45 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Anyone studied that? |
| 9:45:59 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Know whether company studied? |
| 9:46:11 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Know whether company studied addition rooftop solar provide benefits load reduction transmission/generation closer to load? |
| 9:46:47 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Seelye seemed indicate potential add net metering customers overload system, aware prevent happening? |
| 9:47:20 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Put in specifically prevent damage to local grid? |
| 9:47:38 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Effect of language, protect from happening? |
| 9:47:52 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Company studied adding net metering solar avoiding generation/transmission costs? |
| 9:48:20 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Rooftop solar provide value, studies by company, avoided distribution capacity cost? |
| 9:48:53 AM | Atty Fitzgerald Joint Intervenor - witness Conroy Note: Sacre, Candace | Does proposed reduction value fed-in solar to match SQF value considered benefits of rooftop solar to grid and to other customers? |
| 9:49:56 AM | Chairman Schmitt Note: Sacre, Candace | Questions? |

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| 9:50:05 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Examination. If customer filed application NMS 1 prior to effective date of that tariff, customer able take under NMS 1 without regard to any subsequent actions? |
| 9:51:33 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Copy of companies notices in these cases, pull up? |
| 9:51:59 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Pg 3, before other charges section, abbreviated, reading. (Click on link for further comments.) See that? |
| 9:52:34 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Notice gave customers rates, changes? |
| 9:52:46 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Second sentence, reading. (Click on link for further comments.) What that says? |
| 9:53:20 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Does it say submitted application and company accepted? |
| 9:53:30 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Say has submitted application and customer system in service? |
| 9:53:49 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Better worded from your perspective? |
| 9:54:01 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Not notice give to customers, notice says submitted application? |
| 9:54:30 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy What definition says? |
| 9:54:39 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Rider will serve facilities, not say anything about legacy period? |
| 9:54:53 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Notice sent out of changes to 1.3 million meters? |
| 9:55:08 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Companies position will not be providing legacy status whose systems not in service prior to effective date of tariff? |
| 9:55:37 AM | Vice Chairman Chandler - witness Note: Sacre, Candace | Conroy Ask companies committing to abide by that? |
| 9:56:16 AM | Chairman Schmitt Note: Sacre, Candace | Conroy Questions? |
| 9:56:25 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Cross Examination. Testimony filed each document under same similar testimony both cases? |
| 9:57:20 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Ask questions based on LG&E docket, need to point out nuance, please identify, understand? |
| 9:58:15 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Testimony application, Appendix A, registered professional engineer in Kentucky? |
| 9:58:35 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Began working in rates no later than April 2004? |
| 9:59:03 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy From Jan 1991 through April 2004, work experience included system planning and generation systems planning? |
| 9:59:34 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Expertise in rate design? |
| 9:59:52 AM | Atty Spenard KYSEIA - witness Note: Sacre, Candace | Conroy Current title vice president state regulation and rates, testimony have understanding of rates? |

10:00:16 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Pgs 1 and 2, reason testifying, things identify, line 16, purposes, reading. (Click on link for further comments.) One reasons for testimony?

10:00:59 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Regulations, addressing customer notice?

10:01:11 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Customer notice, Vol 1 of 3, tab 6, information customer notice, sponsored?

10:01:38 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace One portion tab 6 abbreviated notice?

10:01:58 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Abbreviated notice, pg 3, new net metering rate NMS 2, NMS 1, see that?

10:02:43 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Following sentence, reading. (Click on link for further comments.) Correct?

10:03:17 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Reading. (Click on link for further comments.) See that?

10:03:33 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Reading. (Click on link for further comments.) See that?

10:03:42 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Exhibit C, full notice?

10:04:01 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Pg 28, full notice, discussion proposal for net metering, includes same statement, reading. (Click on link for further comments.) Correct?

10:05:08 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Testimony, net metering, Section 9, pg 23, line 7, testify NMS 1, reading. (Click on link for further comments.) See that?

10:06:03 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Pg 25, line 12, again same/similar statement regarding availability service under NMS 1, accurate?

10:06:41 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Testimony applications, submit updates/revisions to testimony?

10:07:00 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace For notices supplied Vol 1 of 3, tab 6, notices abbreviated or full, any update?

10:07:46 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Pg 25, sentence begins line 17, question line 8, reading. (Click on link for further comments.) NMS 1 remains available, summarize, line 17, reading. (Click on link for further comments.) See that?

10:08:53 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Aware of any information renders testimony pg 25 line 17 in error?

10:09:36 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Pg 16, line 14, Section 8, Electric Cost of Service Studies Rate Design Allocation of Increase, see that?

10:10:26 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Vice President?

10:10:38 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Intent rates proposed neutral energy solar generation or intent rates oppose solar energy generation?

10:11:12 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Intent rates proposed neutral to use of energy from solar generation?

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| 10:12:16 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Intent rates proposed neutral to use of service under net metering tariff rider by customer? |
| 10:12:58 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Testimony companies neutral or oppose customer use net metering service? |
| 10:13:59 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Other facets net metering service tariff proposing interconnection, correct? |
| 10:14:36 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Proposals on interconnection guidelines, intent neutral net metering or desire to use proposals promote/oppose expansion net metering customer base? |
| 10:15:29 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Not proposing dissuade net metering, proposing anything promote? |
| 10:15:49 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Qualifying facilities, intent rates proposed neutral to use? |
| 10:16:14 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Pg 46, revisions to economic development rider, Rider EDR, listening Seelye? |
| 10:17:01 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Seelye testimony included discussion industrial load, memory? |
| 10:17:42 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Remember using term multiplier associated industrial loads? |
| 10:18:01 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Understanding of Seelye discussion multiplier beneficial/not beneficial? |
| 10:18:37 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Intent rates EDR rider, are they neutral economic development or intent rates proposed for EDR promote economic development? |
| 10:19:31 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Also create jobs? |
| 10:19:49 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Also increase economic activity? |
| 10:20:01 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Creation/retention jobs legitimate consideration adoption economic development rates? |
| 10:20:39 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Legitimate consideration placed in criteria? |
| 10:21:23 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Creation/retention jobs economic development rates societal benefit? |
| 10:22:05 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Also create benefits participants local communities business located? |
| 10:22:57 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | KRS 278 statutory provisions net metering, correct? |
| 10:23:14 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Each speaks for itself, legislation effective in 2004? |
| 10:24:28 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | 2019 enact revisions net metering law, understanding? |
| 10:25:00 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Senate Bill 100, talking Chapter 101 2019 Kentucky Acts. Proposals implementing changes net metering law? |

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| 10:25:47 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Among changes in net metering law, KRS 278.456(1), cumulative generating capacity net metering reaches 1 percent single hour peak load, supplier no further obligation new generator subsequent time? |
| 10:27:06 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Change is supplier under revisions no further obligation offer net metering new customer generator any subsequent time, fair one of changes create hard cap? |
| 10:28:30 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Once activate hard cap, next day applicant eligible customer generator, service no longer available? |
| 10:30:03 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Cap fair, technical reason associated with selection of one percent? |
| 10:30:50 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Aware Commission net metering service interconnection guidelines, Appendix A, Jan 8 2009 Order Case 2008-00169, familiar? |
| 10:31:28 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | For level one application, pg 3, Appendix A, reading. (Click on link for further comments.) Comport with understanding? |
| 10:33:12 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Purpose of cap? |
| 10:34:19 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Rebuttal, pg 2, line 18, reading. (Click on link for further comments.) See that? |
| 10:35:16 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Sentence before that, reading. (Click on link for further comments.) See that? |
| 10:35:42 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Heard term prosumer used to describe customer produce and also consumer? |
| 10:36:17 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Saying customer has separate identities, one producer of energy and second consumer of energy? |
| 10:37:06 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Response, Question 17, KYSEIA Request for Information, customer generator, customer producing energy and consuming energy, if customer 1,000 kW hours during month and customer consumes 1,000 kW in a month, not follow customer net zero customer or production offset/net out to zero, bidirectional meter reason 1,000 kW hours production no match consumption? |
| 10:39:42 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Residential customer net metering service under NMS 2 consumption of energy at any time registering have to pay for that? |
| 10:40:37 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Behind meter, avoid consumption, need to match usage of energy to a period of energy reduction behind meter? |
| 10:42:06 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Think proposed NMS 2 by companies result in applicants net metering to design storage systems, if adoped, influence system design battery electric storage? |
| 10:43:38 AM | Atty Spenard KYSEIA - witness Conroy Note: Sacre, Candace | Storing energy during day or exporting energy during day? |
| 10:44:17 AM | Chairman Schmit Note: Sacre, Candace | Recess until 11 am. |
| 10:44:20 AM | Session Paused | |

11:01:57 AM Session Resumed

11:01:59 AM Chairman Schmitt
Note: Sacre, Candace Back on record, continue?

11:02:14 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Term DERM, familiar with DERM?

11:02:36 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Yes, sir, are you familiar with DERM?

11:03:36 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Rates charged/collected change over time?

11:03:56 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Fair expectation regulatory process?

11:04:20 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Stability in utility tariff conditions important?

11:05:12 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Primary factors associated decisions propose new conditions/terms for service?

11:05:40 AM Atty Spenard KYSEIA - witness Conroy
Note: Sacre, Candace Current application, pg 23, factors drove company to propose new terms/conditions?

11:07:37 AM Chairman Schmitt
Note: Sacre, Candace Questions?

11:07:48 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Redirect Examination. Companies notices and tariff language NMS 1, remember?

11:08:29 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace LG&E abbreviated notice, pg 3, third paragraph, second sentence, reading. (Click on link for further comments.) Correct?

11:09:36 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace KRS 478.465(2), what is that provision?

11:12:06 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Familiar?

11:12:16 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Provision to which refers?

11:12:28 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Electric generating facility is connected?

11:12:41 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace One of four choices?

11:12:47 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace And (c) says has a rated capacity not greater than 45 kW?

11:12:55 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace All present tense?

11:12:56 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Eligible electric generating facility acility exists?

11:13:03 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Is to be one of those?

11:13:23 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Go to KRS 278.466?

11:13:29 AM Chairman Schmitt
Note: Sacre, Candace Before day out, companies provide number customers/prospective customers applied during time period not eligible because reading of statute, have that information?

| | | |
|-------------|---|--|
| 11:13:57 AM | Atty Crosby KU/LG&E Note: Sacre, Candace | Happy try provide any information, part of difficulty knowing what effective date be, issue request do very best provide most accurate information. |
| 11:14:26 AM | Chairman Schmitt Note: Sacre, Candace | Statute says what says, was misleading, not intentionally, some read it get wrong idea. |
| 11:14:27 AM | POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace | ATTY CROSBY KU/LG&E - WITNESS CONROY NUMBER CUSTOMERS/PROSPECTIVE CUSTOMERS APPLIED DURING TIME PERIOD NOT ELIGIBLE DUE TO READING OF STATUTE |
| 11:15:01 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Look at statute 278.466(6), before NMS 2 in effect? |
| 11:15:44 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | First sentence, reading. (Click on link for further comments.) Correct? |
| 11:15:59 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Asked questions before? |
| 11:16:10 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Point of referring to statute to define eligible electric generating facility and have application, point of putting in notice, tariff, testimony? |
| 11:17:01 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Defined in statute? |
| 11:17:05 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Company had to? |
| 11:17:11 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Aware statutory definition in service mean submitting application? |
| 11:17:35 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Rider EDR? |
| 11:17:44 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Purpose of Rider EDR, why exist? |
| 11:19:22 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Recall questions Fitzgerald discussion externalities? |
| 11:19:35 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Asked about testimony Sinclair submitted Case No. 2014-00002? |
| 11:19:52 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Familiar with order 2017-00441 DSM application? |
| 11:20:10 AM | Atty Crosby KU/LG&E - witness Conroy Note: Sacre, Candace | Aware final order? |
| 11:21:24 AM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 11:21:30 AM | Asst Gen Counsel Nguyen PSC - witness Conroy Note: Sacre, Candace | Recross Examination. Late payment fee waiver yesterday, recall? |
| 11:21:52 AM | Asst Gen Counsel Nguyen PSC - witness Conroy Note: Sacre, Candace | Customer charged late fee January, not request waiver, customer not able request waiver late payment until next January? |
| 11:22:15 AM | Asst Gen Counsel Nguyen PSC - witness Conroy Note: Sacre, Candace | Request waiver first or wait twelve months? |
| 11:22:28 AM | Asst Gen Counsel Nguyen PSC - witness Conroy Note: Sacre, Candace | Questions asked Seelye customer PV and storage, offer tariffs designed incent beneficial behaviors residential customers solar plus storage, did, referenced TOD tariffs customers get off peak? |

11:23:21 AM Asst Gen Counsel Nguyen PSC - witness Conroy
Note: Sacre, Candace Agree response TOD tariffs incent beneficial behaviors?

11:24:07 AM Asst Gen Counsel Nguyen PSC - witness Conroy
Note: Sacre, Candace Serves incentive customers add solar and storage option TOD rates?

11:24:41 AM Chairman Schmitt
Note: Sacre, Candace Questions?

11:24:52 AM Vice Chairman Chandler - witness Conroy
Note: Sacre, Candace Examination. Order 2017 case relates externalities language DSM statute?

11:26:03 AM Vice Chairman Chandler - witness Conroy
Note: Sacre, Candace Remember language, specific language DSM application allowed considered?

11:26:40 AM Chairman Schmitt
Note: Sacre, Candace Questions?

11:26:54 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Redirect Examination. Direct, pg 27, lines 7-10, read into record?

11:27:54 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Footnote 19, 2017-00441 order, another order cited?

11:28:18 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Text quoted, read into record?

11:28:48 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Involved rates some time?

11:28:59 AM Atty Crosby KU/LG&E - witness Conroy
Note: Sacre, Candace Aware any order suggested Commission jurisdiction externalities not impact utility rates?

11:29:30 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Recross Examination. Aware environmental surcharge riders?

11:29:41 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Seek recover costs associated air pollution control?

11:29:56 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Air pollution?

11:30:08 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Water pollution?

11:30:20 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Coal ash?

11:30:34 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Not suggesting allowed recover externalities environmental?

11:30:52 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Seeking approval 10 mg Brown, Commission should approve hedge against greenhouse gas controls?

11:31:18 AM Atty Fitzgerald Joint Intervenors - witness Conroy
Note: Sacre, Candace Encouraging Commission approve based on externalities?

11:31:36 AM Chairman Schmitt
Note: Sacre, Candace Questions?

11:32:19 AM Chariman Schmitt
Note: Sacre, Candace Witness excused.

11:32:25 AM Chairman Schmitt
Note: Sacre, Candace Bring Bellar back.

11:33:07 AM Atty Ingram KU/LG&E
Note: Sacre, Candace Like to ask on redirect. (Click on link for further comments.)

11:34:04 AM Chairman Schmitt
Note: Sacre, Candace Stop for a moment, lost video.

11:34:31 AM Session Paused

11:36:51 AM Session Resumed

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| 11:38:14 AM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Redirect Examination. Recall Monday technical issue in playing video last ECR hearing September 2020? |
| 11:38:32 AM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Review hearing video? |
| 11:38:42 AM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Post-hearing data response that case? |
| 11:39:10 AM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Watched video review document, further testimony concern? |
| 11:44:09 AM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Brief update how ELG projects, Mill Creek, explain status? |
| 11:45:20 AM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 11:45:25 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Examination. Assumptions used in case, watch entire hearing, concerns fuel costs, probability environmental control requirements, two lives generating units. Life subject to environmental? |
| 11:48:07 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Break even looking at Monday? |
| 11:48:39 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Understanding Louisville not meet expected ozone levels that season? |
| 11:50:20 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Another voluntary agreement 2021 specific Mill Creek with Louisville? |
| 11:51:37 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Post-hearing data request provide when agreement signed? |
| 11:51:55 AM | POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace | VICE CHAIRMAN CHANDLER - WITNESS BELLAR PROVIDE COPY VOLUNTARY AGREEMENT WITH LOUISVILLE AIR POLLUTION CONTROL BOARD WHEN SIGNED |
| 11:52:04 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Specific February time frame or just clarity requirements Louisville Air Pollution Control Board? |
| 11:53:34 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Belief any part plan comply ozone issues include controls for Mill Creek 1 and 2? |
| 11:55:26 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Expectation that company unable operate Mill Creek 2 ozone season? |
| 11:56:16 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Emissions limit come from 1 or 2, either one, expect operate year round during ozone season? |
| 11:57:07 AM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Limitation lowered, 15 tons a day, expectation level in this one-year agreement, leads to believe required level nonvoluntary agreement, leads to marginal attainment or attainment? |
| 12:00:09 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Process Louisville go through, how attaining appropriate ozone levels, leads believe until 2028 not be controls? |
| 12:01:33 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Aware study relationship income and usage Sinclair provided? |
| 12:02:05 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Existence and Sinclair group studied? |

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| 12:02:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Asked Saunders, hasn't seen that? |
| 12:02:37 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | One report to you studied, direct impact service/rates, Saunders/Conroy, continue study this? |
| 12:04:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Rate OSL and EV charging, Seelye OSL highest rate of return? |
| 12:04:48 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Sports fields, off-peak lighting, turn on lights certain time, turn off, remember Seelye testimony highest rates of return? |
| 12:05:40 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Nonemployee witness, Saunders one way or other active in marketing OSL, Seelye talked account folks, not taking advantage? |
| 12:06:20 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Commit find out hesitancy OSL? |
| 12:07:05 PM | POST-HEARING DATA REQUEST | |
| | Note: Sacre, Candace | VICE CHAIRMAN CHANDLER - WITNESS BELLAR |
| | Note: Sacre, Candace | CUSTOMERS HESITANCY NOT TAKE ADVANTAGE OSL |
| 12:07:16 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | EV, putting in four/eight charging stations? |
| 12:07:29 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | No costs test year charging stations four intends own, own rate base? |
| 12:08:01 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Charging EV stations, non regulated competitive market? |
| 12:08:24 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Customers of company? |
| 12:08:34 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Envision rate basing, way invest competitive market, provide customers nondiscriminatory service? |
| 12:10:20 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Owning four charging stations and charging for service? |
| 12:10:59 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Benefit to system by rates paid for service? |
| 12:11:33 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Cheaper, customers better off/worse off or indifferent same services provided by third party or company? |
| 12:12:16 PM | POST-HEARING DATA REQUEST | |
| | Note: Sacre, Candace | VICE CHAIRMAN CHANDLER - WITNESS BELLAR |
| | Note: Sacre, Candace | BENEFITS TO SYSTEM EV INFRASTRUCTURE |
| 12:12:24 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Service provided by company is cheaper, competitive advantage in marketplace? |
| 12:14:01 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Other side, customers worse off company infrastructure than third party charging whatever company rates, customers less benefit? |
| 12:15:06 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Other customers not asked pay difference? |
| 12:15:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | EV other customers asked pay difference so company own infrastructure? |
| 12:15:56 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Upgrades company knows? |

12:16:33 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Load come on not incurring costs?

12:17:05 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Make sense EV charging station there, no additional upgrades?

12:17:25 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Company any studies identify areas in which actual incremental cost adding demand EV chargers makes sense?

12:18:52 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Putting in EV, if third party contributed, distinction for customers?

12:19:55 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Third parties do not know where system upgrades cheapest?

12:20:56 PM Atty Gardner LFUCG/Louisville Metro
Note: Sacre, Candace Conflict, quick question.

12:21:15 PM Atty Gardner LFUCG/Louisville Metro - witness Bellar
Note: Sacre, Candace Recross Examination. Witness acquisition case 2010-00204 PPL purchased companies from E.ON?

12:21:46 PM Atty Gardner LFUCG/Louisville Metro - witness Bellar
Note: Sacre, Candace Final order commitments?

12:21:57 PM Atty Gardner LFUCG/Louisville Metro - witness Bellar
Note: Sacre, Candace Headquarters in Louisville and Lexington?

12:22:06 PM Atty Gardner LFUCG/Louisville Metro - witness Bellar
Note: Sacre, Candace Issued September 2010, when closing occurred?

12:22:25 PM Atty Gardner LFUCG/Louisville Metro - witness Bellar
Note: Sacre, Candace Last through October 2025?

12:22:35 PM Chairman Schmitt
Note: Sacre, Candace Recess until 1:30.

12:22:45 PM Session Paused

1:31:32 PM Session Resumed

1:33:38 PM Session Paused

1:36:15 PM Session Resumed

1:36:59 PM Chairman Schmitt
Note: Sacre, Candace Examination Bellar?

1:37:08 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Examination. EV relates rates charged, third party or company owned fast charger?

1:37:54 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Assume rates same charged to EV from company, rates recovers from service identical, ignore third party charges, revenues same regardless ownership?

1:38:35 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Other side cost benefit, cost of investment, agree difference third party and company?

1:39:42 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Lesser benefit in company owned, whatever benefit offset by return on investment?

1:41:01 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace No offset recover like would be company customer?

1:41:35 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace If company rates applicable, tariff rates, if identical company owned and third party owned, difference investment of companies?

1:42:34 PM Vice Chairman Chandler - witness Bellar
Note: Sacre, Candace Only difference rates actually charged for service?

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| 1:43:09 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Hope rates charged company owned enough revenue cover costs of investment? |
| 1:44:05 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Companies feel gap in infrastructure? |
| 1:45:56 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Not expectation primary owner EV fast charging stations, just short term? |
| 1:46:41 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Major manufacturers exclusively electric vehicles? |
| 1:47:01 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Company understand system better? |
| 1:47:11 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Economic development, company occasionally take proactive position means multiplier effect bringing on customers, OSL or economic development rates, fair? |
| 1:48:07 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Fast chargers take quite a bit demand? |
| 1:49:05 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Talking KVA demand? |
| 1:49:20 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Fast charging bus system, Lexington? |
| 1:49:31 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Difference in charging buses, charge overnight, on route? |
| 1:49:57 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Difference in plan system charge overnight slowly versus system accommodate high demand fast charge? |
| 1:50:39 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Relates physical, transmission/distribution, study EV charging benefit system increased load/revenues not require infrastructure accommodate? |
| 1:51:54 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Anticipated system benefits additional load, appropriate to do so before next rate cases? |
| 1:53:06 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Economic development/OSL, anticipate take reactive position? |
| 1:56:16 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Has to be opportunity and demand before companies take action? |
| 1:57:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | What proactive steps companies taking approach third parties? |
| 1:59:02 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Updates, 2015 docket companies allowed have pilot charging stations, aware? |
| 1:59:28 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Subscriptions not what companies anticipated? |
| 1:59:56 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Chargers more geared spending time at location? |
| 2:00:11 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Fast chargers interstates quicker charge? |
| 2:00:23 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Fast chargers use not necessarily correlated EV ownership as slower chargers? |
| 2:00:49 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Customer demand, represents third time in four years companies requested CPCN advanced metering? |

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| 2:01:24 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | 2016 rate cases, 2018, these rate cases? |
| 2:02:04 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Listen PPL earnings column, important health of company, ability attract capital? |
| 2:02:37 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Meters thing past four, five years, compared capital plans last seven, eight years, billion dollars a year? |
| 2:03:32 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | AMI investment about \$350 million dollars? |
| 2:04:04 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | From companies perspective, why financial CPCN smart meters so important? |
| 2:06:44 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Not have generation need earlier seven years, not capital invest environmental compliance? |
| 2:07:19 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Five-year transmission plan, not have ton of transmission investments relative rate base? |
| 2:07:54 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | \$91 million most this year, distribution drops off \$40 million, AMI companies last capital investment next few years? |
| 2:11:14 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Remaining net book value current meters \$30 million? |
| 2:12:01 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Capital investment AMI much larger current investment metering? |
| 2:12:41 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | AMI significantly larger investment, effectively show investment net beneficial overall cost, capital higher AMI plus AMR only, status quo amounts avoided are expenses? |
| 2:14:17 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | What expenses avoid business case, significant meter reading, not capitalized? |
| 2:14:37 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | CVR reduction in fuel expense, company not earn return? |
| 2:14:42 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Any other significant avoided costs for AMI plus AMR Go versus status quo? |
| 2:14:59 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Costs capitalized? |
| 2:15:06 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Field services costs in a given year? |
| 2:15:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Appreciate perspective asking ECR where questions coming from, waiver from late fee, look up in waiver or call company? |
| 2:16:03 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Saunders, default, agree likely customers 1.3 million meters don't know ability ask for waiver? |
| 2:17:18 PM | Vice Chairman Chandler - witness | Bellar |
| | Note: Sacre, Candace | Company address concerns placing statement/note on bills quarterly indicate opportunity request late fee waived? |
| 2:18:02 PM | POST-HEARING DATA REQUEST | |
| | Note: Sacre, Candace | VICE CHAIRMAN CHANDLER - WITNESS BELLAR |
| | Note: Sacre, Candace | STATEMENT/NOTE QUARTERLY ON BILLS REQUEST LATE FEE WAIVED |

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| 2:18:23 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Conversations notice NMS 1 and NMS 2? |
| 2:19:04 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Concerns abiding by commitment ???? words in notice? |
| 2:19:47 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Not COO, not in charge, read notice as layperson, understood to mean as long as application filed by effective date still take service under NMS 1? |
| 2:21:34 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Would have understood to be anything different than what says on face? |
| 2:21:36 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Number of applications? |
| 2:22:28 PM | POST-HEARING DATA REQUEST Note: Sacre, Candace | NUMBER APPLICATIONS FILED UP TO DATE NOT IN SERVICE NOT WITHDRAWN |
| | Note: Sacre, Candace | VICE CHAIRMAN CHANDLER - WITNESS BELLAR |
| 2:23:27 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Interconnection changes net metering? |
| 2:23:42 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Docket looking at interconnection guidelines? |
| 2:23:55 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Affirmative decision put tariffs in effect subject to refund if Commission not issue order six-month suspension date? |
| 2:24:29 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Company not made decision put tariffs into effect subject to refund? |
| 2:24:47 PM | Vice Chairman Chandler - witness Bellar Note: Sacre, Candace | Person making that decision? |
| 2:26:12 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 2:26:24 PM | Commissioner Mathews - witness Bellar Note: Sacre, Candace | Examination. Talking to Conroy SEEM, talking about nontransactional costs, magnitude of costs going forward, pointed to data request, idea of order of magnitude of costs? |
| 2:29:16 PM | Commissioner Mathews - witness Bellar Note: Sacre, Candace | SEEM, auditor, lack of market monitoring function, comments? |
| 2:29:50 PM | Commissioner Mathews - witness Bellar Note: Sacre, Candace | Collective our? |
| 2:31:06 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 2:31:18 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Recross Examination. AMI achieved, when customer receive information use? |
| 2:32:05 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Hear conversation with Conroy today? |
| 2:32:20 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Proposal regarding change in evaluation compensatory credit applies all fed-in energy? |
| 2:32:58 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Right now, monthly basis; AMIs information more data points? |
| 2:33:30 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Conroy and I not close, customer generation align consumption continue receive same value, no change? |

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| 2:34:48 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Customer completely aligns generation to consumption, Conroy not know case or not, smart meters six hour lag, when one to one credit? |
| 2:37:36 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Aware cost of solar coming down, solar systems high fixed cost investment? |
| 2:38:24 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Cannot match second for second, upsize system get net zero energy charges? |
| 2:40:32 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | 45 kw capacity? |
| 2:40:50 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | No incentive customer generate excess credit, over a year? |
| 2:42:24 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | If six meets needs over a year kilowatt hours, size system larger achieve net zero if tariff in effect? |
| 2:44:01 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Exported energy generated used by company? |
| 2:44:18 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | In neighborhood, getting income exported energy? |
| 2:44:52 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Marginal cost electric varies throughout course of day? |
| 2:45:35 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Market cost varies, less volatile than might have been based on cost of fuel, compensatory credit proposing same all year? |
| 2:46:32 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Capital expenditures, what percentage going in to distribution as opposed to generation or transmission, rough percentage? |
| 2:47:53 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Seelye testimony no value to capacity until 2028 earliest company add new capacity, remember? |
| 2:48:49 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Meant 2028? |
| 2:48:53 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Familiar RFP January 7 this year requesting addition 300 and 900 mW beginning 2025 no later 2028? |
| 2:49:23 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | Description may be earlier 2025? |
| 2:49:43 PM | Atty Fitzgerald Joint Intervenors - witness Bellar Note: Sacre, Candace | The RFP January 7 2021? |
| 2:50:10 PM | Atty Fitzgerald Joint Intervenors Note: Sacre, Candace | Move admit as Joint Intervenors 1. |
| 2:50:21 PM | Chairman Schmitt Note: Sacre, Candace | Sustained. |
| 2:50:36 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 2:50:36 PM | JOINT INTERVENORS EXHIBIT 1 Note: Sacre, Candace | JANUARY 7 2021 REQUEST FOR PROPOSALS TO SELL ELECTRIC CAPACITY AND ENERGY (RFP) |
| | Note: Sacre, Candace | ATTY FITZGERALD JOINT INTERVENORS - WITNESS BELLAR |
| 2:50:51 PM | Atty Ingram KU/LG&E - witness Bellar Note: Sacre, Candace | Redirect Examination. Referred 2018 case AMI stand-alone CPC case? |

2:51:11 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace 2018-00005?

2:51:18 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Memory AG Office opposed AMI?

2:51:31 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Commission decided against?

2:51:54 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Proposal this case different?

2:52:13 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Alvarez witness?

2:52:20 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Alvarez witness in these two cases?

2:52:31 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Difference ratemaking treatment?

2:52:51 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Blake ratemaking proposal, without revenue requirement impact to customers?

2:53:14 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace Alvarez in these rate cases said one of best AMI deployments for customers in US?

2:53:30 PM Atty Ingram KU/LG&E - witness Bellar
Note: Sacre, Candace In AMI proposal and Blake ratemaking treatment agreed to by all parties?

2:54:02 PM Chairman Schmitt
Note: Sacre, Candace Witness excused.

2:54:55 PM Chairman Schmitt
Note: Sacre, Candace Recess until 3:05.

2:54:59 PM Session Paused

3:06:43 PM Session Resumed

3:06:54 PM Chairman Schmitt
Note: Sacre, Candace Back on record. Next witness?

3:07:07 PM Atty Spenard KYSEIA
Note: Sacre, Candace Justin R. Barnes.

3:07:29 PM Chairman Schmitt
Note: Sacre, Candace Witness is sworn.

3:07:39 PM Atty Spenard KYSEIA - witness Barnes
Note: Sacre, Candace Direct Examination. Name and business address?

3:08:03 PM Atty Spenard KYSEIA - witness Barnes
Note: Sacre, Candace By whom employed?

3:08:18 PM Atty Spenard KYSEIA - witness Barnes
Note: Sacre, Candace Testimony, responses both dockets?

3:08:31 PM Atty Spenard KYSEIA - witness Barnes
Note: Sacre, Candace Corrections, modifications, changes?

3:08:45 PM Atty Spenard KYSEIA - witness Barnes
Note: Sacre, Candace Same questions, answers be same?

3:09:10 PM Asst Gen Counsel Nguyen PSC - witness Barnes
Note: Sacre, Candace Cross Examination. Capacity compensation SPF?

3:11:17 PM Chairman Schmitt
Note: Sacre, Candace Questions?

3:12:13 PM Atty Riggs KU/LG&E - witness Barnes
Note: Sacre, Candace Cross Examination. Asked if had work papers, no?

3:12:41 PM Atty Riggs KU/LG&E - witness Barnes
Note: Sacre, Candace Testimony limited critiquing existing LQFs and SQFs policy basis?

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| 3:13:09 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Qualitative basis opposed quantitative? |
| 3:13:19 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Summarize, testimony not provide calculation capacity payment assert should be included SQFs or LQFs? |
| 3:13:56 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Not perform calculation? |
| 3:14:05 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Assert avoided line loss energy rate SQF and LQF? |
| 3:14:26 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Not make calculation? |
| 3:14:51 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | No calculation support assertion line losses avoided? |
| 3:15:25 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Assert hedging value be included? |
| 3:15:37 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Not provide calculation? |
| 3:16:05 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Methodology hedging value Black-Scholes? |
| 3:16:25 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Ever performed pricing model? |
| 3:16:37 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Accept subject check Black-Scholes apply European models? |
| 3:17:12 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Expertise calculating option values? |
| 3:17:25 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Companies unlike Duke Energy not have financial hedging programs? |
| 3:17:47 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Filed testimony/appears Ky Power rate case this year? |
| 3:18:01 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Similar recommendations? |
| 3:18:12 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Commission rules in that case client represented KYSEIA client representing in this case not contested decisions? |
| 3:18:59 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Familiar membership KYSEIA? |
| 3:19:20 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Accept membership available to installers, developers, manufacturers, customers, supporters solar energy? |
| 3:19:39 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Agree installers, developers, manufacturers, customers benefit pro solar policies? |
| 3:19:59 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Financial interest on their part policies advancing? |
| 3:20:19 PM | Atty Riggs KU/LG&E - witness Barnes | |
| | Note: Sacre, Candace | Have interest in money? |
| 3:20:28 PM | Chairman Schmitt | |
| | Note: Sacre, Candace | Questions? |
| 3:22:46 PM | Atty Spenard KYSEIA - witness Barnes | |
| | Note: Sacre, Candace | Redirect Examination. KYSEIA questions, variety of local members? |
| 3:24:07 PM | Chairman Schmitt | |
| | Note: Sacre, Candace | Witness excused. |

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| 3:24:13 PM | Chairman Schmitt Note: Sacre, Candace | Another witness? |
| 3:24:18 PM | Atty Spenard KYSEIA Note: Sacre, Candace | Benjamin D. Inskeep. |
| 3:24:31 PM | Chairman Schmitt Note: Sacre, Candace | Witness is sworn. |
| 3:24:44 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | Direct Examination. Name and business address? |
| 3:25:03 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | By whom employed? |
| 3:25:15 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | Testimonies, also data responses? |
| 3:25:31 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | Prepare errata sheet? |
| 3:25:41 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | Information in errata sheet true and correct? |
| 3:25:56 PM | Atty Spenard KYSEIA - witness Inskeep Note: Sacre, Candace | Same questions, answers be same? |
| 3:26:22 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 3:26:26 PM | Asst Gen Counsel Nguyen PSC - witness Inskeep Note: Sacre, Candace | Cross Examination. Recall direct reference ICF International review analysis cost benefit studies net metering and distributed solar? |
| 3:26:54 PM | Asst Gen Counsel Nguyen PSC - witness Inskeep Note: Sacre, Candace | Opinion analysis best practice calculate avoided generation capacity value category distributed resources? |
| 3:27:11 PM | Asst Gen Counsel Nguyen PSC - witness Inskeep Note: Sacre, Candace | Calculating avoided transmission capacity as well as avoided distribution capacity as value category distributed resources? |
| 3:27:36 PM | Asst Gen Counsel Nguyen PSC - witness Inskeep Note: Sacre, Candace | Know if companies calculate avoided generation capacity, transmission capacity, distribution capacity development net metering export value? |
| 3:28:31 PM | Asst Gen Counsel Nguyen PSC - witness Inskeep Note: Sacre, Candace | Mentioned long-term life distributed generation asset, value of export calculated using long term time horizon over life, justified long-term evaluation necessary produce value over course of system lifetime? |
| 3:29:10 PM | Chariman Schmitt Note: Sacre, Candace | Questions? |
| 3:29:13 PM | Vice Chairman Chandler - witness Inskeep Note: Sacre, Candace | Examination. Legacy rights respect rate structure, companies not proposing charge residential or commercial customers NMS 2 different tariff rate service different than would if not under NMS 2? |
| 3:30:51 PM | Vice Chairman Chandler - witness Inskeep Note: Sacre, Candace | Rate structure, your recommendation legacy rights include legacy two-part rate design, customer charge/energy, or rate design nonparticipating customer or rate not participate NMS 2? |
| 3:31:57 PM | Vice Chairman Chandler - witness Inskeep Note: Sacre, Candace | Not necessarily rate, kilowatt charge and customer charger? |
| 3:32:19 PM | Vice Chairman Chandler - witness Inskeep Note: Sacre, Candace | Not necessarily rate as customer not participating in NMS 2? |

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| 3:32:43 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Not necessarily proposing legacy customers maintain next 25 years identical service tariff as nonparticipating customers, just have only a customer charge and kilowatt charge? |
| 3:33:43 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Not just maintain customer charge/kilowatt charge, just rates for service RS GS maintain exact rates as similarly situated NMS customer? |
| 3:34:19 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Compensation rate excess generation, same rate, same calculation, or same components rate calculation? |
| 3:35:29 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Rate comes out of this case, hypothetical, five cents, two and half cents avoided generation capacity cost? |
| 3:36:13 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Next 25 years, customer gets five cents? |
| 3:36:55 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Five years, Commission goes back, rate components same, five cents, decide now looks at line loss, know what mean? |
| 3:37:31 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Avoided line loss worth two cents compensation rate, compensated five cents next 25 years, now seven cents and continue for 25 years? |
| 3:38:51 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Not necessarily proposing legacy rights NMS 2 customers, proposing legacy rights for NMS 2 in tranches at time choose take service? |
| 3:39:16 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Avoided capacity charge, more energy efficient, down road, no expectation build generation, no avoided generation, value solar, effective rate goes into effect, tranche one not choose stop taking service start new 25-yr period under NMS tranche two? |
| 3:41:33 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Not start 25-year clock? |
| 3:42:21 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep Other terms services, not have to file new application, just change tariff? |
| 3:43:44 PM | Vice Chairman Chandler - witness Note: Sacre, Candace | Inskeep NMS 2 couple of years, twice compensation rate, new net metering, customer separately meter own load demand, DERMS, condition NMS 3, choose loose legacy status, take under NMS 3? |
| 3:44:39 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 3:45:03 PM | Atty Crosby KU/LG&E - witness Note: Sacre, Candace | Inskeep Cross Examination. ICF International line of questioning? |
| 3:45:58 PM | Atty Crosby KU/LG&E - witness Note: Sacre, Candace | Inskeep Mentioned avoided transmission capacity costs, distribution/generation costs, long life assets? |
| 3:46:28 PM | Atty Crosby KU/LG&E - witness Note: Sacre, Candace | Inskeep Familiar Ky net metering statutes, read? |
| 3:46:42 PM | Atty Crosby KU/LG&E - witness Note: Sacre, Candace | Inskeep Commitment net metering customer makes to utility maintain facilities on system? |
| 3:47:42 PM | Atty Crosby KU/LG&E - witness Note: Sacre, Candace | Inskeep No, no commitment need to make? |

3:47:52 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Under obligation keep system functioning, availability?

3:48:21 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Conroy rebuttal?

3:48:30 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Roods Creek contract solar PPA 100 mW in territory?

3:48:54 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Accept part of contract companies able purchase entire output 20 year term 2.782 cents per kW hour?

3:49:26 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Read part of contract contain performance guarantees availability requirement of facility?

3:49:57 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Willing to accept availability guarantees backed by liquidated damages?

3:50:43 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Familiar renewable energy credits RECs?

3:50:57 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Under contract companies receive all RECs?

3:51:08 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Structure of deal 50 mW and 25 mW serve two large customers?

3:51:29 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace 25 mW remains, flow to companies serve native load customers?

3:51:51 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace RECs associated output companies plan sell use revenues offset cost purchasing?

3:52:22 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Companies currently not require RECs plan to sell them?

3:52:42 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Aware Ky law transfer RECs from customer generators to companies?

3:53:24 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Accept no such requirement?

3:53:40 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Agree IBC contract companies 2.782 cents mW hour entirety of pay IBC not pay capacity charge?

3:54:25 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Common for solar PPAs?

3:54:48 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Extent companies avoid need generation capacity, additional capacity rate companies pay?

3:55:22 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Testimony one of elements net metering rate avoided generation capacity cost?

3:55:51 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Value net metering rate some number of cents per kW hour?

3:56:11 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Not calculated anywhere in testimony not put forward net metering rate and said this is what it should be?

3:56:41 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Answer no?

3:57:03 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Aware how many customer classes served under rider NMS?

3:57:35 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace KYSEIA Responses to Data Requests?

3:57:52 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace KU/LG&E Response, KYSEIA First Request, Item 14, see screen?

4:00:31 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Second page, NMS 1 customers, rate schedule, see?

4:01:15 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Accept subject to check five rate schedules NMS 1 customers?

4:01:36 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Accept energy rates associated with classes quite different?

4:01:49 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace When say Commission use retail rate, which one Commission use?

4:02:12 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Cost justification, difference, have customers under NMS 2 taking service different retail rates, producing different kW, agree compensate differently?

4:03:08 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Evidence that companies not have customers RS or RTOD, two very different energy rates, need feeders/transformers have customers not just one rate class?

4:03:57 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Some customers net metering different rates, those customers producing energy same distribution, makes sense receive different rate same energy?

4:04:56 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Notice some rates on chart were PS and TOD?

4:05:09 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Accept subject to check PS and TOD rates have demand charges?

4:05:27 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Companies recover through energy charge?

4:05:48 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Compensated for electrons at different retail rates because charged different rates?

4:06:14 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Not necessarily just energy being compensated?

4:06:38 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Change view appropriate rate TOD customer three cents kW hour demand charges put kW hour out net metering customer appropriate only receive three cents compensation whereas residential customer get ten cents kW hour even though same kW energy?

4:08:11 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Answer yes compensated different amounts?

4:08:28 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Legacy rights, remember?

4:08:44 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Clarification, proposal NMS 2 net metering customer, compensation rate locked in for 25 years?

4:09:14 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace If customer decided tranch 1 rate locked in and next year tranch 2 rate better, be able move to tranch 2 price?

4:10:09 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace If do that, lose legacy rights, that's it?

4:10:29 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Confirm legacy rights 25 year familiar with legacy rights KRS 278.466(6), familiar?

4:11:00 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Senate Bill 100?

4:11:11 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Before SB 100, one net metering structure?

4:11:28 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace SB 100 established legacy rights?

4:11:37 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Gen Assembly create new legacy rights, could have?

4:12:18 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Did not create additional legacy rights, not there?

4:12:40 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Legacy rights 25 year commitment net metering customers make, not required, need to make to get legacy rights?

4:13:29 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Legacy rights, rate under which customer take service from utility, proposal net metering NMS 2 customer continue to take service whatever applicable tariff is for a similarly situated non-net metering customer?

4:14:40 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace KRS 278.466, read subsection 5?

4:15:04 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Not lawyer?

4:15:14 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Reviewed provision before?

4:15:22 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Reading. (Click on link for further comments.) Read accurately?

4:15:59 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Legacy customer, takes service, portion of 25 year legacy right consistent with statute?

4:16:53 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Qualifying facilities?

4:17:04 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Get capacity payment for QFs, take service under legally enforceable obligation?

4:17:34 PM Atty Crosby KU/LG&E - witness Inskeep
Note: Sacre, Candace Aware whether QF obligate utility buy output?

4:18:14 PM Chairman Schmitt
Note: Sacre, Candace Questions?

4:18:36 PM Atty Kurtz KIUC - witness Inskeep
Note: Sacre, Candace Cross Examination. Whether Commission can bind future commissions?

4:19:07 PM Atty Spenard KYSEIA
Note: Sacre, Candace Not here to interpret law.

4:19:24 PM Atty Kurtz KIUC - witness Inskeep
Note: Sacre, Candace Your understanding?

4:19:48 PM Atty Kurtz KIUC - witness Inskeep
Note: Sacre, Candace Understand this Commission have independent legal obligation ensure all rates fair, just, reasonable?

4:20:17 PM Atty Kurtz KIUC - witness Inskeep
Note: Sacre, Candace Company Response, Staff Sixth, solar installation per kW provided, number residential \$2,340 per kW, review response?

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| 4:20:55 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | 2020 Annual Technology Baseline, National Energy Renewable Laboratory, \$2,340 kW, review that? |
| 4:21:21 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | \$2,340 per kW sound about right residential? |
| 4:22:13 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | RS residential 486 customers total generating capacity 4,240 kW? |
| 4:22:34 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | 8.7 kW per residential customer? |
| 4:22:58 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | 8.7 kW times \$2,340 per kW, \$20,358, pretty big number for residential customer? |
| 4:23:53 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Think average customer afford \$20,000 installation on roof? |
| 4:24:54 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Who loan \$20,000 residential customer with bad credit? |
| 4:25:27 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | \$20,000 truck, can't repossess solar installation? |
| 4:25:47 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Hire somebody take it out? |
| 4:25:53 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Agree rich man's game? |
| 4:26:59 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Agree companies and Commission look out for customers not have rooftop solar don't subsidize? |
| 4:28:23 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Residential customers pay income taxes, federal subsidy investment tax credit? |
| 4:28:46 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Federal government subsidize residential rooftop solar investment tax credit? |
| 4:29:09 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | What is it now? |
| 4:29:23 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | 26 percent of \$20,000 tax credit? |
| 4:29:38 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Federal taxpayer to benefit? |
| 4:30:05 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Net metering statute applies solar installations up to 45kW? |
| 4:30:19 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | \$105,000 for 45kW installation? |
| 4:30:39 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | This program applies one percent peak demand each utility? |
| 4:31:13 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Peak demand changes every year, KU or LG&E was in 2020? |
| 4:31:29 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Accept subject to check one percent, LG&E 36,180 kW and KU 25,050 kW? |
| 4:32:19 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Familiar LG&E/KU rate structure? |
| 4:32:39 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Customer charge, basic customer charge, energy charge? |
| 4:32:55 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Compensate net metering customers for energy charge? |

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| 4:33:15 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Existing KU energy charge, variable and infrastructure? |
| 4:33:38 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Variable, company avoid burning coal or gas if generating own electricity, avoid that energy cost? |
| 4:34:04 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Utility avoids it if customer making own electricity? |
| 4:34:19 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Energy portion different? |
| 4:34:21 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Infrastructure defined rate comprised cost associated meeting system demand not fluctuate energy usage as well as fixed customer related expenses not recovered, meeting system demand recovered in infrastructure component not variable component? |
| 4:35:25 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Read Seelye testimony? |
| 4:35:38 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Overly generous for self generators meeting own usage, self-generator solar customer creates same demand cost even if making own power, understand position on that? |
| 4:36:29 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Four part rate that VC talking about, customer charge, energy charge, demand charge, solar generating customer not avoid paying demand charges, think rate should be? |
| 4:37:19 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Paying themselves 9 cents kW hour energy not buying from KU? |
| 4:38:15 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Avoiding paying KU nine cents for electricity self generate and consume? |
| 4:38:59 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Controversy here, companies not opposing, more electricity than using and utility buying, what's the price? |
| 4:39:32 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Avoided if residential customer puts right size solar on house? |
| 4:40:58 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Hear Seelye testify many solar farms? |
| 4:41:21 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | People four acres putting big 45 kW just to make money rather than serve selves? |
| 4:42:05 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Not under NMS 2 tariff? |
| 4:42:48 PM | Atty Kurtz KIUC - witness Inskeep Note: Sacre, Candace | Still going into pocket? |
| 4:43:13 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 4:44:19 PM | Atty Fitzgerald Joint Intervenors - witness Inskeep Note: Sacre, Candace | Cross Examination. Distinctions between homeowner and PPA developer? |
| 4:44:44 PM | Atty Fitzgerald Joint Intervenors - witness Inskeep Note: Sacre, Candace | Applying SQF factor, net metering customer residential rooftop access to modified accelerated cost recovery depreciation? |
| 4:45:11 PM | Atty Fitzgerald Joint Intervenors - witness Inskeep Note: Sacre, Candace | Access to investment tax credits? |
| 4:45:24 PM | Atty Fitzgerald Joint Intervenors - witness Inskeep Note: Sacre, Candace | Expiring? |

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| 4:45:38 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Tax credit spread over more than one year for customers not produce taxable incomes exhaust credit? |
| 4:46:19 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Access to team of rate analysts? |
| 4:46:30 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Transactions jurisdictional sales PURPA? |
| 4:46:54 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Federal Power Act and PURPA grounded in Commerce Clause of Constitution and deal interstate transactions? |
| 4:47:10 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Public utility commissions/legislatures free to define credit/value provided electrons based on avoided environmental costs, economic development as other rates reviewed for utilities? |
| 4:47:49 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | FERC said state utility commissions required compensate net metering customers as if wholesale qualified facilities? |
| 4:48:23 PM | Atty Fitzgerald Joint Intervenor - witness Inskip Note: Sacre, Candace | Asked whether customer using net metering avoiding paying incumbent utility, net metering customer modifying load? |
| 4:49:12 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 4:49:20 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Redirect Examination. Questions power purchase agreement? |
| 4:49:50 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Take administrative notice May 8 2020 Order 2020-00016 Green Tariff Option III, retained to provide testimony? |
| 4:50:43 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Accept subject to check that case companies requesting approval 20 year contract 100 mW Roods Creek Hardin County? |
| 4:51:23 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Kentucky statutes net metering in excess rated capacity limit of 45 kW set forth in statute for net metering? |
| 4:52:18 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Approval power purchase agreement in 2020-00016, companies also requesting two 20 year RPA with industrial customers? |
| 4:53:41 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Dow and Toyota Green Tariff arrangements, part of package in docket contracts known as special contracts? |
| 4:54:17 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Order speak for itself, net metering customers required to negotiate own contracts customer by customer? |
| 4:54:49 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Jurisdiction to set fair just and reasonable rates, important Commission protect interests nonparticipating customers might want be applicants and be participating? |
| 4:55:45 PM | Atty Spenard KYSEIA - witness Inskip Note: Sacre, Candace | Last decade, has median income of individuals adopting solar decreasing? |
| 4:57:25 PM | Chairman Schmitt Note: Sacre, Candace | Witness excused. |
| 4:57:48 PM | Chairman Schmitt Note: Sacre, Candace | Witness? |
| 4:57:58 PM | Atty Fitzgerald Joint Intervenor Note: Sacre, Candace | Karl Rabago. |

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| 4:58:15 PM | Chairman Schmitt Note: Sacre, Candace | Witness is sworn. |
| 4:58:26 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Direct Examination. Full name and where employed and position? |
| 4:59:09 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Direct testimony, revised, as well as Responses? |
| 4:59:29 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Same questions, answers be same? |
| 4:59:44 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Changes or revisions? |
| 4:59:54 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Materials in front of you? |
| 5:00:08 PM | Atty Fitzgerald Joint Intervenors - witness Rabago Note: Sacre, Candace | Revised prefiled? |
| 5:00:18 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 5:00:23 PM | Asst Gen Counsel Nguyen PSC - witness Rabago Note: Sacre, Candace | Cross Examination. National Standard Practice Manual for Benefit-Cost Analysis of Distributed Energy Resources? |
| 5:01:19 PM | Asst Gen Counsel Nguyen PSC - witness Rabago Note: Sacre, Candace | Opinion companies proposal NMS 2 failed to align with NSPM-DER failure to calculate avoided generation capacity, avoided transmission capacity? |
| 5:02:44 PM | Asst Gen Counsel Nguyen PSC - witness Rabago Note: Sacre, Candace | What mean various best practices codified in NSPM-DER? |
| 5:06:02 PM | Asst Gen Counsel Nguyen PSC - witness Rabago Note: Sacre, Candace | Guide for public utility commissions, other regulators provide framework determining components determining export rate? |
| 5:07:01 PM | Asst Gen Counsel Nguyen PSC - witness Rabago Note: Sacre, Candace | Aware/know any of various best practice components formally adopted/accepted as standard by another jurisdiction? |
| 5:09:50 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 5:10:12 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | Examination. Also witness Kentucky Power docket, provided similar testimony? |
| 5:10:30 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | Discuss recommendation value of solar look more marginal costing instead imbedded costing? |
| 5:11:26 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | KU/LG&E differently situated? |
| 5:12:00 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | Not part RTO, liquid forward markets, marginal pricing? |
| 5:12:15 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | Cost of dispatch, variable cost of generation that particular time? |
| 5:12:41 PM | Vice Chairman Chandler - witness Rabago Note: Sacre, Candace | Easier, harder, just different to accommodate your recommendation vertically intergrated utility versus utility part of market marginal pricing? |
| 5:14:36 PM | Chairman Schmitt Note: Sacre, Candace | Questions? |
| 5:16:00 PM | Chairman Schmitt Note: Sacre, Candace | Close case? |

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| 5:16:09 PM | Chairman Schmitt Note: Sacre, Candace | All witnesses to be presented, correct? |
| 5:16:24 PM | Chairman Schmitt Note: Sacre, Candace | Motions, anything bring before Commission before talk data requests, briefing? |
| 5:16:38 PM | Chairman Schmitt Note: Sacre, Candace | Procedural discussions. (Click on link for further comments.) |
| 5:17:44 PM | Chairman Schmitt Note: Sacre, Candace | Data Requests served on or before May 5, responses May 19, briefs net metering/cogeneration issue/settlement responsive brief June 1, response June 21, this case over except for net metering/cogeneration tariff. Expect beyond June 30 additional information/another hearing, additional briefs, initial briefs May 24/June 1 based on information now available. Any problems? |
| 5:20:31 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | All issues in case except two? |
| 5:20:55 PM | Chairman Schmitt Note: Sacre, Candace | Correct. |
| 5:21:05 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Briefs on settlement short. Briefing issues net metering/cogeneration further discovery/short hearing, value briefing issues two unresolved. |
| 5:21:56 PM | Chairman Schmitt Note: Sacre, Candace | Like you to do, skeletal form issues, not extensive, like to see where everybody is, outline brief. |
| 5:22:45 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Discovery, May 5, data requests submitted, May 19 responses? |
| 5:23:16 PM | Chairman Schmitt Note: Sacre, Candace | Need more time, file motion. (Click on link for further comments.) |
| 5:24:41 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Proposal put forth, briefs May 24? |
| 5:24:59 PM | Chairman Schmitt Note: Sacre, Candace | Yes, not everybody has to file. (Click on link for further comments.) |
| 5:25:36 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Simultaneous due May 24, response briefs June 1? |
| 5:25:55 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Case taken unders submission? |
| 5:25:59 PM | Chairman Schmitt Note: Sacre, Candace | At that point, case, all except two issues, submitted final decision . |
| 5:26:35 PM | Chairman Schmitt Note: Sacre, Candace | Anything else? |
| 5:26:40 PM | Atty Fitzgerald Joint Intervenors Note: Sacre, Candace | Simultaneous May 24, address net metering/cogen interconnection, respond other parties June 1. |
| 5:27:09 PM | Vice Chairman Chandler Note: Sacre, Candace | Companies, if choose, file brief in support of case in chief including stipulation? |
| 5:27:47 PM | Chairman Schmitt Note: Sacre, Candace | Yes. (Click on link for further comments.) |
| 5:28:11 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Particular issue companies address? |
| 5:28:17 PM | Vice Chairman Chandler Note: Sacre, Candace | Not necessarily, opportunity to do so. |
| 5:28:33 PM | Atty Riggs KU/LG&E Note: Sacre, Candace | Schedule acceptable. |

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| 5:28:40 PM | Chairman Schmitt Note: Sacre, Candace | Comments any other party? |
| 5:28:45 PM | Atty Fitzgerald Joint Intervenors Note: Sacre, Candace | Simultaneous, also brief legal issues obligation parties proposing alternative tariff? |
| 5:29:02 PM | Chairman Schmitt Note: Sacre, Candace | Certainly do that. |
| 5:29:09 PM | Chairman Schmitt Note: Sacre, Candace | Hearing adjourned. |
| 5:29:24 PM | Session Ended | |



Exhibit List Report

2020-00349 2020-00350
28Apr2021

**Kentucky Utilities (KU) and
Louisville Gas and Electric
Company (LG&E)**

Name:**Description:**

Joint Intervenors Exhibit 1

Request for Proposals to Sell Electric Capacity and Energy (RFP)



PPL companies

LG&E and KU Energy LLC
Power Supply
220 West Main Street
Louisville, KY 40202
www.lge-ku.com

Chuck Schram
Director, Power Supply
502-627-3250

January 7, 2021

Subject: Request for Proposals to Sell Electric Capacity and Energy (RFP)

Dear Colleague in the Development and Marketing of Electrical Power,

Louisville Gas and Electric Company (“LG&E”) and Kentucky Utilities Company (“KU”) (together the “Companies”) are evaluating alternatives to provide least-cost long-term supply of capacity and energy to serve our customers. The Companies are exploring the addition of 300 MW to 900 MW beginning in 2025 and no later than 2028 (and may consider dates earlier than 2025) to diversify the Companies’ generation portfolio, including cost-effective firm peaking (including storage), intermittent non-firm renewable (with or without storage), and/or firm dispatchable baseload and load-following capacity and energy.

The Companies will consider proposals that are reliable, feasible, and represent the least-cost means of meeting our customers’ capacity and energy needs. The Companies’ analysis will include costs for transmission service, transmission upgrades (if any), and voltage support within the LGE/KU Balancing Authority footprint and an assessment of the ability of each proposal to be delivered in a timely manner consistent with the Companies’ capacity and energy needs. Each respondent should make its proposal as comprehensive as possible so that the Companies may make a thorough and definitive evaluation of the proposal’s benefits to the Companies’ customers without further contact with the respondent. However, the Companies reserve the right to request additional information.

Please provide your proposal consistent with the stated terms below. The resource(s) proposed in response to this RFP should provide a site-specific Generating Facility (which shall be defined for the purposes of this RFP as a device for the production and/or storage for later injection of electricity) that LG&E/KU can designate as a Designated Network Resource (DNR), as such term is defined in the LG&E and KU Joint Pro Forma Open Access Transmission Tariff (“Companies’ OATT”).

This RFP is not a commitment to purchase and shall not bind the Companies or any affiliate of LG&E and KU Energy LLC in any manner. The Companies in their sole discretion will determine which respondent(s), if any, it wishes to engage in negotiations that may lead to a binding contract. The Companies shall not be liable for any expenses that respondents incur in connection with preparation of a response to this RFP or any requests for additional information associated with this RFP. The Companies will not reimburse respondents for their expenses under any circumstances, regardless of whether the RFP process advances to a successful conclusion or is abandoned by the Companies at Companies' sole discretion.

1. **Background** – All proposals will be evaluated in the context of meeting customers' load in a reliable, least-cost manner. If the Companies determine that a proposal may be in the best interest of the Companies' customers, the Companies may enter into negotiations which may lead to the execution of a definitive agreement(s). The Companies will consider all applicable factors in evaluating proposals, including, but not limited to, the following to determine the least-cost proposal(s): (i) the terms of the proposal; (ii) respondent's creditworthiness; (iii) if applicable, the operating history or the development status of respondent's Generating Facility, including, but not limited to, the site chosen, pipeline interconnection and route (if applicable), permitting, and the status of an interconnection to the transmission grid; (iv) the anticipated availability of the capacity and/or energy; and (v) all other factors, such as the cost of interconnection or transmission that may affect the Companies' ability to reliably and cost-effectively serve Companies' customers.

2. **Requirements** – The Companies are interested in procuring capacity and energy from 300 MW to 900 MW beginning in 2025 and no later than 2028 (and may consider dates earlier than 2025 if the economics are compelling), including cost-effective firm peaking (including storage), intermittent non-firm renewable (with or without storage), and/or firm dispatchable baseload and load-following capacity and energy. To be considered, each unique proposal and/or project **must**:
 - 2.1. Be deliverable to the Companies' transmission system;
 - 2.2. Qualify as a DNR according to the Companies' OATT;
 - 2.3. Have a minimum term of 5 years and a maximum term of 30 years unless ownership of the Generating Facility by the Companies is being proposed;
 - 2.4. Have at least 100 MW of nameplate rated capacity (proposals smaller than 100 MW will not be considered);
 - 2.5. In the case of renewable and storage combined proposals, include a minimum of 100 MW capacity with four-hour battery storage (400 MWh); and
 - 2.6. In the case of standalone battery storage, include a minimum of 100 MW of capacity and 400 MWh of energy.

Multiple proposals from multiple respondents may be selected to achieve an optimal generation portfolio for the future. The capacity and energy under each proposal must be generated from a defined source, a specific unit, or specific units that will qualify as a DNR. A respondent proposing capacity and energy from a resource connected directly to the Companies' transmission system must conform to the generation

interconnection procedures in the Companies' OATT and must obtain a generation interconnection agreement for the Generating Facility in a timely manner.

3. **Key Terms and Conditions** – Each respondent's proposal should contain the pricing, project location, resource type, fuel type, performance characteristic and guarantees, financial security, and all other proposed terms and conditions necessary for the Companies to evaluate the proposal without further communication with the respondent. **All necessary information should be provided on the attached data form(s) that correspond(s) to the generation technology and offer type that you are proposing.** Note that such data forms may be utilized in any filings with regulatory agencies (such as the Kentucky Public Service Commission) related to this RFP.
4. **Project Description (Required Proposal Content)** – Each proposal must contain a complete description of the proposed generation technology, project location, operating characteristics, transmission system interconnection point, etc.
5. **Pricing Details (Required Proposal Content)** – Proposed prices must be clear and quoted in U.S. dollars. If proposed pricing involves escalation or indexing, the details of such pricing, including the specific indices or escalation rates, must be included. Likewise, if the proposed pricing is cost-based, the nature of the costs to be included must be clearly stated. Each proposal must include the location of the Generating Facility but should NOT include transmission delivery costs for the proposed term across electric transmission systems. Respondents should assume the Companies will be responsible for all transmission costs that may be incurred to move the capacity and/or energy from the Generating Facility to, and on, the Companies' transmission system.
6. **Metering and Monitoring (Required Proposal Content)** – The Companies may require real time metering and monitoring of all generation resources. If so, the Companies desire, at the Companies' expense, to install equipment at the generator site to facilitate real time metering and monitoring. The respondent should state its desire and willingness to allow and cooperate with the Companies in establishing real-time monitoring and metering of generation, including the installation of Companies' equipment at the Generating Facility site.
7. **Ancillary Services (Required Proposal Content)** – If a definitive agreement is entered into with a respondent, the Companies would desire to have the unrestricted right, under such definitive agreement, to the capacity and energy associated with the Generating Facility that is the subject of such respondent's proposal, including all ancillary services capable of being produced by the Generating Facility. If applicable to a respondent's proposal, the respondent should describe any ancillary services, including, but not limited to, load following, spinning reserve, supplemental reserve, black start capability, frequency response, etc., included in such proposal.
8. **Delivery (Required Proposal Content)** – The capacity and energy must be deliverable to the Companies' transmission system. The respondent shall be and is responsible for all costs associated with the interconnection of the Generating Facility to the grid and the Companies will be responsible for the costs incurred moving the capacity and

energy (including ancillary services) from the interconnection point to the Companies' transmission system and/or load.

9. **Environmental** – If a definitive agreement is entered into with a respondent, with respect to the sale of capacity and energy (including ancillary services) to the Companies under such definitive agreement, where permits are applicable for the product being sold, the respondent will be responsible for obtaining all necessary permits and complying with their requirements for the life of the agreement. Failure to obtain or comply with any environmental permit or governmental consent would not excuse nonperformance by respondent.

10. **Development Status** – Respondent shall provide a comprehensive narrative of the status of the development of any generation project intended to be used in a definitive agreement with the Companies. Respondent's narrative shall include the following:
 - 10.1. Comprehensive development and construction schedule (if applicable),
 - 10.2. Listing of all required permits and governmental approvals and their status,
 - 10.3. Listing of all required electric interconnection agreements and their status,
 - 10.4. Financing plan (if applicable), and
 - 10.5. Summary of key contracts (construction, major equipment, etc.), to the extent that they exist.

11. **Renewable Energy Certificates** – Any Renewable Energy Certificates ("REC") that are part of the proposal must be created from renewable facilities verified and approved by the proven renewable asset tracking systems associated with the major regional Independent System Operators ("ISO"). Applicable tracking systems are PJM's Generation Attribute Tracking System ("GATS") or MISO's Midwest Renewable Energy Tracking System ("MRETS"). The legal ownership of every REC so created is recorded and tracked by GATS or MRETS to assure its authenticity and single ownership.

12. **Financial Capability** – Should the Companies elect to enter into a definitive agreement with a respondent who later fails to meet its obligations under such definitive agreement at any point in time, the Companies' customers may be exposed to the risk of higher costs. Therefore, each respondent will be required to demonstrate in its proposal, in a manner acceptable to the Companies, the respondent's ability to meet all financial obligations to the Companies throughout the applicable development, construction and operations phases for the term of a definitive agreement.
 - 12.1. If a definitive agreement is entered into with a respondent, such respondent will be required to maintain, at all times during the term of such definitive agreement, an investment grade credit rating with either S&P or Moody's or have a parent guarantee from an investment grade entity that meets the approval of the Companies.

 - 12.2. If a definitive agreement is entered into with a respondent, the respondent will, upon execution of such definitive agreement, be required to post a letter of credit ("LOC") to protect the Companies' customers in the event of default by the

respondent. The exact amount of a LOC will be subject to approval by the Companies based upon the Companies' models. If the Companies draw down the LOC amount at any time, the seller must replace the LOC to the original value within five days.

13. **RFP Schedule** – All proposals must be complete in all material respects and be received no later than 4 P.M. EDT on Wednesday, March 31, 2021. All responses must be emailed to: Jan2021RFP@lge-ku.com and must be followed up with a signed original within two business days sent to:

Chuck Schram, Director, Power Supply
LG&E and KU Energy LLC
Power Supply
220 West Main Street
Louisville, KY 40202

| | |
|----------------------|---|
| RFP Issued | Thursday, January 7, 2021 |
| Proposals Due | Wednesday, March 31, 2021 at 4 P.M. EDT |
| Evaluation Completed | July 1, 2021 |

Proposals will not be viewed until 4 P.M. EDT on Wednesday, March 31, 2021. After the evaluation of proposals is completed, the Companies will enter into negotiations on a timely basis if the Companies determine that one or more proposals are in their customers' best interests. Any subsequent definitive agreement(s) will be contingent on obtaining the necessary regulatory approvals.

14. **Treatment of Proposals**

- 14.1. The Companies reserve the right, without qualification, to select or reject any or all proposals and to waive any formality, technicality, requirement, or irregularity in any proposal received. The Companies also reserve the right to modify this RFP or request further information, as necessary, to complete their evaluation of the proposals received.
- 14.2. Each respondent who submits a proposal does so without recourse against the Companies for either rejection by the Companies or failure to execute an agreement for purchase of capacity and/or energy (including ancillary services) for any reason. Each respondent is responsible for any and all costs incurred in the preparation and submission of a proposal and/or any subsequent negotiations regarding a proposal.

15. **Confidentiality** – As regulated utilities, it is expected that the Companies will be required to release information contained in any proposal to various government agencies and/or others as part of a regulatory review or legal proceeding. The Companies will use reasonable efforts to request confidential treatment for such information to the extent it is labeled in the proposal as “Confidential.” Please note that confidential treatment is generally more likely to be granted if limited amounts of information in a proposal, rather than large portions of the proposal, are designated as confidential. However, the Companies cannot guarantee that the receiving agency, court, or other party will afford confidential treatment to information contained in any proposal. Subject to applicable law and regulations, the Companies also reserve the right to disclose proposals to their officers, employees, agents, consultants, and the like (and those of its affiliates) for the purpose of evaluating proposals. Otherwise, the Companies will not disclose any information contained in the respondent’s proposal that is marked “Confidential,” to another party except to the extent that (i) such disclosures are required by law or by a court or governmental or regulatory agency having appropriate jurisdiction, or (ii) the Companies subsequently obtain the information free of any confidentiality obligations from an independent source, or (iii) the information enters the public domain through no fault of the Companies.

16. **Contacts**

Chuck Schram, Director, Power Supply
LG&E and KU Energy LLC
Power Supply
220 West Main Street
Louisville, KY 40202

Phone: 502-627-3250

In closing, I look forward to your response by 4 P.M. EDT on March 31, 2021, and the possibility of doing business with you to meet the Companies’ future power needs. Please contact me if you have any questions and would like to discuss further. For immediate concerns in my absence, please contact Linn Oelker, 502-627-3245.

Sincerely,



Chuck Schram
Director, Power Supply

LG&E and KU RFP Data Form

PPA - Renewable Generation and/or Storage

Note to respondent: Provide a separate data form for each different proposal or "Term of Contract". MW to be stated as a NET AC value at the interconnection point.

| | <u>Response</u> | <u>Units</u> |
|---|-----------------|-----------------------------|
| Respondent | | text |
| Product and Generation Characteristics: | | |
| Generation Source Description | | text |
| Transmission Interconnection Point of the Source | | text |
| Point of Interconnection to the Grid | | text |
| Start Date of PPA | | mm/dd/yyyy |
| Term of PPA | | years |
| Purchase Option Year (if applicable) | | year |
| Nameplate Amount | | MW |
| Annual Capacity Degradation | | as a % of capacity per year |
| Summer Capacity Amount | | MW |
| Summer Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Summer Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Summer On-Peak Capacity (2PM to 5PM EDT) | | MW |
| Winter Capacity Amount | | MW |
| Winter Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Winter Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Winter On-Peak Capacity (6AM to 9AM EST) | | MW |
| Annual Production Capacity Factor | | % |
| Output in 10 minutes (if applicable) | | MW |
| Guaranteed Minimum Ramp Capability (if applicable) | | MW/minute |
| Control of Ramp Capability: | | |
| min ramp rate up (if applicable) | | MW/minute |
| min ramp rate down (if applicable) | | MW/minute |
| Start-up time to minimum capability (if applicable) | | minutes |
| Start-up time to maximum capability (if applicable) | | hours |
| Minimum run time per operation period (if applicable) | | hours |
| Minimum down time per shutdown event (if applicable) | | minutes |
| Other cycling constraints (if applicable) | | text |
| Constraints on production time (if applicable) | | text |
| Forced Outage Rate | | % |
| Guaranteed Availability | | % |
| Maximum number of annual curtailable hours | | hours/year |
| Planned Outage Schedule | | text |
| Projected hourly electric energy production profile for a typical year over the term provided electronically. | | Y/N |
| (intentionally blank) | | |
| Storage Resources (in addition to above) | | |
| Technology | | text |
| Battery Life (in years) | | years |
| Battery Life (in cycles) | | whole number |
| Economic Life | | years |
| Storage Capacity | | MW |
| Storage Capacity of Energy | | MWh |
| Discharge Rate | | MW/hour |
| Annual Storage Capacity Degradation | | as a % of capacity/year |
| Maximum state of charge | | % |
| Charge Rate | | MW/hour |
| Minimum state of charge | | % |
| Round trip charging losses | | % |
| Maximum number of cycles allowed per day | | whole number |
| Maximum number of cycles allowed per month | | whole number |
| Maximum number of cycles allowed per week | | whole number |
| Maximum number of cycles allowed per year | | whole number |
| Maximum time battery can output at maximum generating capacity | | hours |
| (intentionally blank) | | |
| Pricing Information (provide a separate pricing form if applicable): | | |
| Provide pricing to permit full understanding of all costs associated with a PPA which may include but are not limited to: | | |
| Fixed energy price over the term | | \$/MWh |
| Escalating energy price starting in year 1 of the term | | \$/MWh |
| Escalating energy price rate | | % per year |
| Fixed capacity price | | \$/kW-month |
| Escalating capacity price starting in year 1 of the term | | \$/kW-month |
| Escalating capacity price rate | | % per year |
| Purchase option price | | \$ |
| END OF FORM | END OF FORM | END OF FORM |

LG&E and KU RFP Data Form

PPA - Fuel-Based Generation Resource

Note to respondent: Provide a separate data form for each different proposal or "Term of Contract". MW to be stated as a NET AC value at the interconnection point. Combined Cycle Units to state values for component combinations ((e.g., CT only), 1x1, 2x1, etc.)

| | <u>Response</u> | <u>Units</u> |
|--|-----------------|----------------------------|
| Respondent | | text |
| Product and Generation Characteristics: | | |
| Generation Source Description | | text |
| Transmission Interconnection Point of the Source | | text |
| Point of Interconnection to the Grid | | text |
| Interstate Pipeline interconnection location and Company | | text |
| Description of pipeline between Interstate Pipeline and generation asset: | | text |
| Start Date of PPA | | mm/dd/yyyy |
| Term of PPA | | years |
| Purchase Option Year (if applicable) | | year |
| Nameplate Amount | | MW |
| Summer Capacity Amount | | MW |
| Summer Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Summer Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Summer On-Peak Capacity (2PM to 5PM EDT) | | MW |
| Winter Capacity Amount | | MW |
| Winter Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Winter Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Winter On-Peak Capacity (6AM to 9AM EST) | | MW |
| Annual Production Capacity Factor | | % |
| Output in 10 minutes (if applicable) | | MW |
| Guaranteed Minimum Ramp Capability (if applicable) | | MW/minute |
| Control of Ramp capability: | | |
| ramp rate up (if applicable) | | MW/minute |
| ramp rate down (if applicable) | | MW/minute |
| Start-up time to minimum capability (if applicable) | | minutes |
| Start-up time to maximum capability (if applicable) | | minutes |
| Start fuel quantity (per start) | | MMBtu per start |
| Minimum run time per operation period (if applicable) | | hours |
| Minimum down time per shutdown event (if applicable) | | hours |
| Other cycling constraints (if applicable) | | text |
| Emissions rate for NO _x | | lbs per MMBtu |
| Emissions rate for SO ₂ | | lbs per MMBtu |
| Emissions rate for CO ₂ | | lbs per MMBtu |
| Constraints on production time (if applicable) | | text |
| Forced Outage Rate | | % |
| Guaranteed Availability | | % |
| Guaranteed Heat Rate | | Btu/kWh |
| Mean time to repair | | avg hours per outage event |
| Planned Outage requirements | | days needed per year |
| Net heat rate curves (I/O coefficients preferred) – by month/season if applicable (By component combination for combined cycle units) provided electronically. | | Y/N |
| Projected hourly electric energy production profile for a typical year over the term provided electronically. (intentionally blank) | | Y/N |
| Pricing Information (provide a separate pricing form if applicable): | | |
| Provide pricing to permit full understanding of all costs associated with a PPA which may include but are not limited to: | | |
| Fixed energy price over the term | | \$/MWh |
| Escalating energy price starting in year 1 of the term | | \$/MWh |
| Escalating energy price rate | | % per year |
| Start Cost | | \$ per start |
| Fixed capacity price | | \$/kW-month |
| Escalating capacity price starting in year 1 of the term | | \$/kW-month |
| Escalating capacity price rate | | % per year |
| Purchase option price | | \$ |
| END OF FORM | END OF FORM | END OF FORM |

LG&E and KU RFP Data Form

Sale Offer - Renewable Generation and/or Storage

Note to respondent: Provide a separate data form for each different proposal or "Term of Contract". MW to be stated as a NET AC value at the interconnection point.

| | Response | Units |
|--|-----------------|-----------------------------|
| Respondent | | text |
| Product and Generation Characteristics: | | |
| Generation Source Description | | text |
| Transmission Interconnection Point of the Source | | text |
| Point of Interconnection to the Grid | | text |
| Sale Date | | mm/dd/yyyy |
| Nameplate Amount | | MW |
| Annual Capacity Degradation | | as a % of capacity per year |
| Summer Capacity Amount | | MW |
| Summer Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Summer Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Summer On-Peak Capacity (2PM to 5PM EDT) | | MW |
| Winter Capacity Amount | | MW |
| Winter Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Winter Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Winter On-Peak Capacity (6AM to 9AM EST) | | MW |
| Annual Production Capacity Factor | | % |
| Output in 10 minutes (if applicable) | | MW |
| Guaranteed Minimum Ramp Capability (if applicable) | | MW/minute |
| Control of Ramp capability: | | |
| min ramp rate up (if applicable) | | MW/minute |
| min ramp rate down (if applicable) | | MW/minute |
| Start-up time to minimum capability (if applicable) | | minutes |
| Start-up time to maximum capability (if applicable) | | hours |
| Minimum run time per operation period (if applicable) | | hours |
| Minimum down time per shutdown event (if applicable) | | minutes |
| Other cycling constraints (if applicable) | | text |
| Constraints on production time (if applicable) | | text |
| Forced Outage Rate | | % |
| Guaranteed Availability | | % |
| Maximum number of annual curtailable hours | | hours/year |
| Planned Outage Schedule | | text |
| Projected hourly electric energy production profile for a typical year over the term provided electronically. (intentionally blank) | | Y/N |
| Storage Resources (in addition to above) | | |
| Technology | | text |
| Battery Life (in years) | | years |
| Battery Life (in cycles) | | whole number |
| Economic Life | | years |
| Storage Capacity | | MW |
| Storage Capacity of Energy | | MWh |
| Discharge Rate | | MW/hour |
| Annual Storage Capacity Degradation | | as a % of capacity/year |
| Maximum state of charge | | % |
| Charge Rate | | MW/hour |
| Minimum state of charge | | % |
| Round trip charging losses | | % |
| Maximum number of cycles allowed per day | | whole number |
| Maximum number of cycles allowed per month | | whole number |
| Maximum number of cycles allowed per week | | whole number |
| Maximum number of cycles allowed per year | | whole number |
| Maximum time battery can output at maximum generating capacity | | hours |
| (intentionally blank) | | |
| Pricing Information (provide a separate pricing form if applicable): | | |
| Provide pricing to permit full understanding of all costs associated with an asset sale which may include but are not limited to: | | |
| Asset purchase price | | \$ |
| Fixed O&M costs | | \$ per year |
| Variable O&M costs | | \$/MWh |
| Major maintenance costs | | \$ per event |
| Installation costs for Electric Transmission | | \$ |
| Installation costs for Electric Interconnection | | \$ |
| Other Installation costs | | \$ |
| Other ongoing costs - Property taxes | | \$ / year |
| Other ongoing costs - Insurance | | \$ / year |
| Other ongoing costs - other | | \$ / year |
| END OF FORM | END OF FORM | END OF FORM |

LG&E and KU RFP Data Form

Sale Offer - Fuel-Based Generation Resource

| | | |
|---|----------------------------|----------------------|
| <i>Note to respondent: Provide a separate data form for each different proposal or "Term of Contract". MW to be stated as a NET AC value at the interconnection point. Combined Cycle Units to state values for component combinations ((e.g., CT only, 1x1, 2x1, etc.)</i> | | |
| | <u>Response</u> | <u>Units</u> |
| Respondent | | text |
| Product and Generation Characteristics: | | |
| Generation Source Description | | text |
| Transmission Interconnection Point of the Source | | text |
| Point of Interconnection to the Grid | | text |
| Interstate Pipeline interconnection location and Company | | text |
| Description of pipeline between Interstate Pipeline and generation asset: | | text |
| Sale Date | | mm/dd/yyyy |
| Nameplate Amount | | MW |
| Summer Capacity Amount | | MW |
| Summer Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Summer Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Summer On-Peak Capacity (2PM to 5PM EDT) | | MW |
| Winter Capacity Amount | | MW |
| Winter Maximum Dispatch Capacity Amount (if applicable) | | MW |
| Winter Minimum Dispatch Capacity Amount (if applicable) | | MW |
| Guaranteed Winter On-Peak Capacity (6AM to 9AM EST) | | MW |
| Annual Production Capacity Factor | | % |
| Output in 10 minutes (if applicable) | | MW |
| Guaranteed Minimum Ramp Capability (if applicable) | | MW/minute |
| Control of Ramp capability: | | |
| min ramp rate up (if applicable) | | MW/minute |
| min ramp rate down (if applicable) | | MW/minute |
| Start-up time to minimum capability (if applicable) | | minutes |
| Start-up time to maximum capability (if applicable) | | hours |
| Start fuel quantity (per start) | | MMBtu per start |
| Minimum run time per operation period (if applicable) | | hours |
| Minimum down time per shutdown event (if applicable) | | minutes |
| Other cycling constraints (if applicable) | | text |
| Emissions rate for NO _x | | lbs per MMBtu |
| Emissions rate for SO ₂ | | lbs per MMBtu |
| Emissions rate for CO ₂ | | lbs per MMBtu |
| Constraints on production time (if applicable) | | text |
| Forced Outage Rate | | % |
| Guaranteed Availability | | % |
| Guaranteed Heat Rate | | Btu/kWh |
| Mean time to repair | | |
| Planned Outage requirements | | days needed per year |
| Net heat rate curves (I/O coefficients preferred) – by month/season if applicable (By component combination for combined cycle units) provided electronically. | avg hours per outage event | Y/N |
| Projected hourly electric energy production profile for a typical year over the term provided electronically. | | Y/N |
| (intentionally blank) | | |
| Pricing Information (provide a separate pricing form if applicable): | | |
| Provide pricing to permit full understanding of all costs associated with an asset sale which may include but are not limited to: | | |
| Asset purchase price | | \$ |
| Fixed O&M costs | | \$ per year |
| Variable O&M costs | | \$/MWh |
| Major maintenance costs | | \$ per event |
| Installation costs for Electric Transmission | | \$ |
| Installation costs for Electric Interconnection | | \$ |
| Installation costs for Gas Pipeline and gas interconnection | | \$ |
| Other Installation costs | | \$ |
| Other ongoing costs - Property taxes | | \$ / year |
| Other ongoing costs - Insurance | | \$ / year |
| Other ongoing costs - other | | \$ / year |
| END OF FORM | END OF FORM | END OF FORM |

END OF RFP

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