

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

| | | |
|-------------------------------------|---|------------|
| ELECTRONIC 2024 JOINT INTEGRATED |) | |
| RESOURCE PLAN OF LOUISVILLE GAS AND |) | CASE NO. |
| ELECTRIC COMPANY AND KENTUCKY |) | 2024-00326 |
| UTILITIES COMPANY |) | |


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 May 14, 2025 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording; and
- A written log listing, *inter alia*, the date and time of where each witness's testimony begins and ends on the digital video recording of the evidentiary hearing conducted on May 14, 2025.

A copy of this Notice, the certification of the digital video record, and the hearing log has been served upon all persons listed at the end of this Notice. Parties may view the digital video recording of the hearing at <https://youtu.be/O2M6eqyWA6k>.

Done on this day, September 8, 2025.



Linda C. Bridwell, PE
Executive Director

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

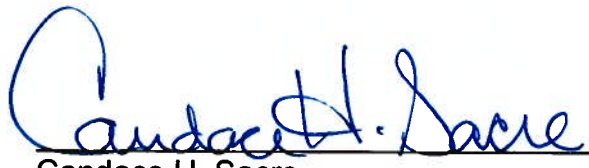
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|-------------------------------------|---|------------|
| ELECTRONIC 2024 JOINT INTEGRATED |) | |
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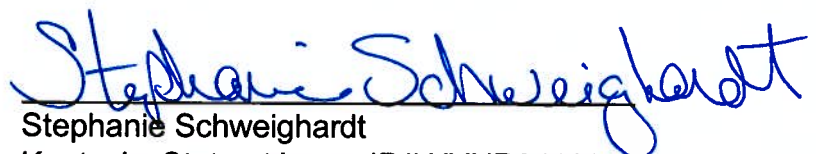
CERTIFICATION

I, Candace H. Sacre, hereby certify that:

1. I am responsible for the preparation of the electronic files containing the recording of the Formal Hearing conducted in the above-styled proceeding on May 14, 2025. The Formal Hearing Log is included with the recording on May 14, 2025.
2. The recording accurately and correctly depicts the Formal Hearing of May 14, 2025; and
3. The Formal Hearing Log accurately and correctly states the events that occurred at the Formal Hearing on May 14, 2025, and the time at which each occurred.

Signed this 4 day of September, 2025.


Candace H. Sacre
Administrative Specialist Senior


Stephanie Schweighardt
Kentucky State at Large ID# KYNP64180
Commission Expires: January 14, 2027



Session Report - Detail

2024-00326 14May2025

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

| Date: | Type: | Location: | Department: |
|-----------|--------------------------------|----------------|-----------------------|
| 5/14/2025 | Public Hearing\Public Comments | Hearing Room 2 | Hearing Room 2 (HR 2) |

Judge: Angie Hatton; Mary Pat Regan
Clerk: Candace H Sacre

| Event Time | Log Event |
|------------|--|
| 9:02:10 AM | Session Started |
| 9:02:11 AM | Chair Hatton Note: Sacre, Candace On the record in Case No. 2024-00326. |
| 9:02:22 AM | Chair Hatton Note: Sacre, Candace Next witness? |
| 9:02:25 AM | Atty Crosby LG&E/KU Note: Sacre, Candace Michael Sebourn. |
| 9:02:31 AM | Chair Hatton Note: Sacre, Candace Witness is sworn. |
| 9:02:35 AM | Camera Lock Witness Activated |
| 9:02:36 AM | Chair Hatton - witness Sebourn Note: Sacre, Candace Examination. Name and business address? |
| 9:02:47 AM | Camera Lock Deactivated |
| 9:02:49 AM | Atty Crosby LG&E/KU - witness Sebourn Note: Sacre, Candace Direct Examination. By whom employed? |
| 9:02:53 AM | Atty Crosby LG&E/KU - witness Sebourn Note: Sacre, Candace Title? |
| 9:03:00 AM | Atty Crosby LG&E/KU - witness Sebourn Note: Sacre, Candace Sponsor responses to data requests? |
| 9:03:08 AM | Chair Hatton Note: Sacre, Candace Mr. West? Mr. Kurtz? Mr. Malone? Sierra Club? SREA? Joint Intervenor? |
| 9:03:49 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Cross Examination. A few questions, were following hearing yesterday? |
| 9:04:06 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Heard discussion Wilson and I had? |
| 9:04:11 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace On Wilson's team? |
| 9:04:15 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Would report directly to him? |
| 9:04:18 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Is another context in which work? |
| 9:04:33 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace In Wilson new position, continue involved IRP? |
| 9:04:43 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace What involvement look like? |
| 9:05:03 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Schram role in 2024 IRP, involved modeling methodology? |
| 9:05:29 AM | Atty McCrae Joint Intervenor - witness Sebourn Note: Sacre, Candace Matter between you and Wilson? |

9:05:34 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Version PLEXOS used 2024?

9:05:49 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Version 10, Release 6, since issuing 10, released five or six?

9:06:02 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Seven?

9:06:11 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace First major 10.0 and now six revision releases past?

9:06:22 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Where now?

9:06:34 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Just in last year?

9:06:51 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Release new version, something LG&E/KU pay for again?

9:07:10 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace License agreement better way refer to that?

9:07:15 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace License software annual basis?

9:07:20 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Limits on use?

9:07:31 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Energy Exemplar offers cloud computing?

9:07:37 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Not use Energy Exemplar cloud computing?

9:07:40 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Running PLEXOS on local machines?

9:07:51 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Run PROSYM on local machines?

9:07:58 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Tell what computing capabilities are?

9:08:50 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Five separate CPUs comprise Beast?

9:09:01 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Four CPUs?

9:09:08 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace CPU refers computer processing unit?

9:09:38 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace More interested in difference, what tell me about cloud processing?

9:11:33 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace When acquire own computing hardware, be capital expense?

9:11:57 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace License agreements software, not capital expenses?

9:12:22 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Mentioned progressed ability use PLEXOS?

9:12:30 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace To use computing, explain what mean?

9:13:43 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Confused, thought told me had four Beasts but have 20 Beasts?

9:13:54 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace So have 20 Beasts each with four CPUs?

9:14:16 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace PLEXOS, heard ask Wilson about four different modules, familiar?

9:14:35 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace What call them?

9:14:45 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Phases?

9:15:10 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace One is hourly optimized dispatch referred to as production cost modeling?

9:15:23 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace How run it?

9:16:23 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace To use PLEXOS for phase are using, have to give it inputs?

9:16:35 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace To use different phase, re-input those same inputs?

9:17:11 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Testing ST today, literally today or ongoing process?

9:17:31 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Not start it yesterday?

9:17:35 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Over what period time testing PLEXOS ST phase?

9:17:47 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Doing that PROSYM no longer supported?

9:17:52 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace No?

9:18:38 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Had used word supported, agree PROSYM no longer supported?

9:19:12 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Agree code for PROSYM been unchanged since stopped?

9:19:34 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Again, no longer releasing updates, ABB not released update PROSYM since 2018?

9:20:42 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Familiar with resource technologies available modeling?

9:20:57 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace In 2018, common have paired solar and storage operations?

9:21:23 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace How much battery storage technology changed since 2018?

9:21:40 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace It has improved, right?

9:21:49 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Not aware?

9:21:52 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Capabilities of technology, limit ability say whether model handle resource?

9:22:09 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Important model able characterize resource, right?

9:22:17 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Requires knowledge capabilities in terms energy output?

9:22:35 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Need be able characterize how operate as part of portfolio?

9:22:43 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Need characterize how resource dispatch including ramp up/down?

9:23:00 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace Need to understand to model resource capability resource modeling?

9:23:12 AM Atty McCrae Joint Intervenor - witness Sebourn
Note: Sacre, Candace But not know how battery technology improved past seven years?

9:23:58 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Be different how model battery pulls in and produces energy?

9:24:09 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Any other resource needs take up kilowatt hours?

9:24:17 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Pumped hydro, so model has to think differently?

9:24:31 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Yes, differently from, say, thermal resource?

9:24:39 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Not characteristics pumped storage, how sees dispatch opportunity?

9:24:55 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Understood say when doing runs also doing same PLEXOS ST?

9:25:22 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Do that as part of 2024 IRP test runs against PLEXOS?

9:25:36 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Unnecessary why?

9:25:51 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Concerned about accuracy numbers reported in IRP?

9:26:25 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Identify any utility in country still using PROSYM?

9:26:45 AM Atty McCrae Joint Intervenor - witness Sebourne
Note: Sacre, Candace Identify any utility offered PROSYM in certificate of need proceedings?

9:27:31 AM Chair Hatton
Note: Sacre, Candace Staff?

9:27:36 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Cross Examination. Talked about testing PLEXOS and models, what means for you?

9:28:23 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace When say so much faster, period of days, weeks, hours?

9:29:06 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Benchmark for testing PLEXOS is PROSYM?

9:29:11 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace How test accuracy PROSYM?

9:29:15 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace How often do that?

9:29:18 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Once year, run it and see how accurate, keep track of that?

9:29:30 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Possible see presentation?

9:29:57 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace To extent do long-term modeling, last IRP how accurate, anything like that?

9:30:24 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Could see presentation where compare PROSYM to actuals?

9:30:32 AM POST-HEARING DATA REQUEST
Note: Sacre, Candace STAFF ATTY VAN ZYL PSC - WITNESS SEBOURN
Note: Sacre, Candace PROVIDE PRESENTATION WHERE COMPARE PROSYM TO ACTUALS

9:30:32 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Ask as post-hearing data request?

9:30:36 AM Staff Atty van Zyl PSC - witness Sebourne
Note: Sacre, Candace Models for PLEXOS, limited to one or provides top three or four?

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| 9:31:10 AM | Staff Atty van Zyl PSC - witness Sebourn Note: Sacre, Candace | If do application or medium short-term plan, does have ability multiples? |
| 9:32:53 AM | Chair Hatton Note: Sacre, Candace | Commissioner Regan? Redirect? |
| 9:33:23 AM | Atty Crosby LG&E/KU Note: Sacre, Candace | Charles Schram. |
| 9:33:29 AM | Camera Lock Witness Activated | |
| 9:33:32 AM | Chair Hatton Note: Sacre, Candace | Witness is sworn. |
| 9:33:38 AM | Chair Hatton - witness Schram Note: Sacre, Candace | Examination. Name and business address? |
| 9:33:58 AM | Camera Lock Deactivated | |
| 9:34:02 AM | Atty Crosby LG&E/KU - witness Schram Note: Sacre, Candace | Direct Examination. Sponsor responses to data requests? |
| 9:34:10 AM | Chair Hatton Note: Sacre, Candace | Mr. West? Mr. Kurtz? Mr. Malone? |
| 9:34:21 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Cross Examination. Explain how natural gas purchased? |
| 9:35:33 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | How much gas purchased multi-year contracts fixed pricing? |
| 9:36:04 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Have credit risk? |
| 9:37:01 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | What market based on, Henry Hub? |
| 9:37:27 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Is how determine market price? |
| 9:37:36 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Know share natural gas production moved into power sector? |
| 9:38:00 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Demand natural gas other sectors increasing greater rate than power demand? |
| 9:38:48 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Companies maintain diversified supply portfolio for coal? |
| 9:39:18 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Aware coal contract December '23 3.4 million tons delivered '24 to '28? |
| 9:39:28 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Aware prices preset for each year? |
| 9:39:37 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Aware prices not linked natural gas prices? |
| 9:39:46 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Aware contract June '24 2 million tons '26 through '29? |
| 9:39:56 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Aware pricing set all tons delivery period and no adjustment natural gas? |
| 9:40:36 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Agree coal not under influence short-term market spots? |
| 9:41:20 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Mentioned contracts where fluctuations coal contracts, what mean? |
| 9:41:34 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Asking hypothetical price of coal, something relative, explain that? |
| 9:42:43 AM | Atty Malone KCA - witness Schram Note: Sacre, Candace | Said was J24003? |

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| 9:42:50 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | If can't figure it out, will send post-hearing data request? |
| 9:42:59 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Reviewed delivered prices coal and natural gas '20 to '24? |
| 9:43:08 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Aware four years prices cents per MMBtu basis Cane Run and Paddy's Run higher than coal prices at Ghent and Mill Creek? |
| 9:44:05 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Confirm gas prices only for commodity and not pipeline? |
| 9:44:20 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Follows up on last question about gas prices? |
| 9:44:40 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | EIA, when report it, only for commodity? |
| 9:44:58 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Does include transportation? |
| 9:45:01 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Obviously, coal is different? |
| 9:45:03 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | That's what trying to figure out? |
| 9:45:20 AM | Atty Malone KCA - witness Schram | |
| | Note: Sacre, Candace | Agree natural gas prices more volatile than coal prices? |
| 9:45:49 AM | Camera Lock Commissioner Activated | |
| 9:46:03 AM | Camera Lock Intervener Activated | |
| 9:46:05 AM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? Mr. Spenard? Mr. Gary? |
| 9:46:17 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Cross Examination. Understanding lucky retiree Sinclair? |
| 9:46:28 AM | Camera Lock Deactivated | |
| 9:46:30 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | In position he was in during last CPCN, 2022-00402 CPCN? |
| 9:46:42 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | And at the time IRP filed? |
| 9:46:50 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Currently, are vice president of energy supply and analysis? |
| 9:46:57 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Describe role generally, what oversee? |
| 9:47:53 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | In charge of team overseeing procurement natural gas facilities? |
| 9:48:12 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Carry over to renewable resources not being purchased through PPAs? |
| 9:48:19 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | That's him as well? |
| 9:48:20 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Just the PPAs are in charge of? |
| 9:48:24 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | But do oversee the RFPs for those PPAs? |
| 9:48:40 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Oversee RFPs process, but who fulfills procurement is Tummonds? |
| 9:48:54 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Be ones who submit bid into RFP for self-build resource? |
| 9:49:02 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | And that's Tummonds? |

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| 9:49:05 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | For RFP, be multiple candidates submit bids? |
| 9:49:41 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Reason if competition prices be lower? |
| 9:50:11 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Idea of competition only have one nobody else compete with? |
| 9:50:32 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Some minimum number of bids like see? |
| 9:50:40 AM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Object, relevance. |
| 9:50:57 AM | Atty Gary Joint Intervenors | |
| | Note: Sacre, Candace | Heard yesterday from Bellar 2024 RFP exploration of cost. |
| 9:51:39 AM | Asst Gen Counsel Bellamy PSC | |
| | Note: Sacre, Candace | Test some of evidence, but too far get into CPCN. |
| 9:51:49 AM | Chair Hatton | |
| | Note: Sacre, Candace | I agree, not too deep. |
| 9:51:53 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Cross Examination (cont'd). Minimum number bids looking for? |
| 9:53:12 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Existing PPAs came up number of times in IRP? |
| 9:53:16 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Both in IRP and responses? |
| 9:53:28 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Sometimes engage in competitive process informational purposes? |
| 9:54:09 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Not every RFP leads to commitment? |
| 9:54:36 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | After RFP, other steps remain in procurement process? |
| 9:54:46 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Bid in RFP not final price? |
| 9:55:11 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Then that results in contract or not reaching agreement? |
| 9:55:24 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Then extra steps before built and delivered? |
| 9:55:33 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Enter contracts for PPAs for solar resources? |
| 9:55:38 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Because have contract not mean getting built? |
| 9:55:47 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | And price can change? |
| 9:56:00 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Could allow purchaser pull out like stated some solar resources? |
| 9:56:17 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | There are outs for both sides? |
| 9:56:24 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Varies but off ramps for both sides? |
| 9:56:41 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Seen increase in prices recently for solar resources? |
| 9:57:00 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Regards PPAs price increased by 30 percent? |
| 9:57:14 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | For others, 30 percent? |
| 9:57:26 AM | Atty Gary Joint Intervenors - witness Schram | |
| | Note: Sacre, Candace | Seen increases in cost for thermal resources as well? |

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| 9:57:57 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Avoided costs, Response JI First, No. 59, scroll down subpart F? |
| 9:58:44 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Clarify, reading, your understanding of question? |
| 9:59:09 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Response, answer qualified yes, right? |
| 9:59:21 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Reason as load increases dispatching less resources fulfill load? |
| 9:59:41 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | As load increases, dispatching more and more expensive? |
| 9:59:52 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Refer to, reading, correct? |
| 10:00:03 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Just energy cost portion referred to there? |
| 10:00:39 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Enter towards beginning dispatch order rather than end? |
| 10:00:58 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Why all else being equal was there, that's qualified yes? |
| 10:01:06 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Better question for Tummonds? |
| 10:01:30 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Last CPCN, company planning retire Brown 3 soon, by 2027? |
| 10:01:55 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Don't recall? |
| 10:02:00 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Recall reason Brown 3 upgrade costs online longer? |
| 10:02:12 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | As part of planning, assuming now Brown 3 upgrades? |
| 10:02:32 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Needing significant maintenance costs invested keep running? |
| 10:02:51 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Level maintenance vary over time? |
| 10:03:19 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Major overhaul might be needed, replacing boiler tubes? |
| 10:03:57 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | As unit on longer, hits milestones major overhauls needed? |
| 10:04:08 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | At certain points worth considering keeping unit online or going through major overhaul? |
| 10:04:40 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | EKPC hearing heard secondary market contract sold, familiar? |
| 10:05:30 AM | Atty Gary Joint Intervenor - witness Schram | |
| | Note: Sacre, Candace | Better person ask? |
| 10:05:42 AM | Chair Hatton | |
| | Note: Sacre, Candace | Staff? |
| 10:05:48 AM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 10:06:21 AM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | David Tummonds. |
| 10:06:25 AM | Camera Lock Witness Activated | |
| 10:06:28 AM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 10:06:38 AM | Chair Hatton - witness Tummonds | |
| | Note: Sacre, Candace | Examination. Name and business address? |

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| 10:06:53 AM | Camera Lock Deactivated | |
| 10:06:54 AM | Atty Ingram LG&E/KU - witness Tummonds | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 10:06:58 AM | Atty Ingram LG&E/KU - witness Tummonds | |
| | Note: Sacre, Candace | Title? |
| 10:07:08 AM | Atty Ingram LG&E/KU - witness Tummonds | |
| | Note: Sacre, Candace | Sponsor data responses? |
| 10:07:17 AM | Chair Hatton | |
| | Note: Sacre, Candace | Mr. West? Mr. Kurtz? Mr. Malone? |
| 10:07:24 AM | Atty Malone KCA - witness Tummonds | |
| | Note: Sacre, Candace | Cross Examination. Consider impact tariffs combined cycle units? |
| 10:07:43 AM | Atty Malone KCA - witness Tummonds | |
| | Note: Sacre, Candace | Reassessed or reevaluated? |
| 10:07:49 AM | Atty Malone KCA - witness Tummonds | |
| | Note: Sacre, Candace | Timeline changed at all? |
| 10:08:06 AM | Camera Lock Intervener Activated | |
| 10:08:44 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Cross Examination. Deferred you, gas combustion turbines and CCs? |
| 10:08:45 AM | Camera Lock Deactivated | |
| 10:09:08 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Been rising as of late? |
| 10:09:14 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | How long current position? |
| 10:09:25 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | In position at time of hearing on CPCN referred to? |
| 10:09:33 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | When CPCN applied for, cost of CC about \$600-\$700 million? |
| 10:09:52 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | At time finalized, final cost over \$900 million? |
| 10:10:05 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | More expensive at time of IRP? |
| 10:10:12 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Price now about \$1.4 billion for new CC? |
| 10:10:40 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Increased by over double since application? |
| 10:10:51 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Secondary market for contracts and production slots? |
| 10:11:54 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | That production slot contract? |
| 10:11:59 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Bumped up next people in production slots? |
| 10:12:38 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Meaning decide not proceed lose slot, and OEM do with it? |
| 10:13:23 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Production slot yours only insofar as procure equipment? |
| 10:13:27 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | Not have right transfer production slot? |
| 10:13:46 AM | Atty Gary Joint Intervenor - witness Tummonds | |
| | Note: Sacre, Candace | If production slot not go forward, not sell to outside entity? |
| 10:14:00 AM | Atty Ingram LG&E/KU | |
| | Note: Sacre, Candace | Object further questioning. |
| 10:14:26 AM | Atty Gary Joint Intervenor | |
| | Note: Sacre, Candace | Will withdraw. |

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| 10:14:41 AM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? |
| 10:14:44 AM | Camera Lock Intervener Activated | |
| 10:14:49 AM | Camera Lock Deactivated | |
| 10:14:51 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Cross Examination. In charge of fossil assets? |
| 10:15:21 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | If existing fossil asset, fall under wheelhouse? |
| 10:15:34 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Ghent power plant, familiar? |
| 10:15:40 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Under IRP, proposal install catalytic control technology? |
| 10:15:52 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Part of project implement that plan CPCN approved? |
| 10:16:08 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Look at all costs keeping asset operational, part of analysis? |
| 10:16:28 AM | Atty Ingram LG&E/KU | |
| | Note: Sacre, Candace | Related to analysis in IRP? |
| 10:16:33 AM | Chair Hatton | |
| | Note: Sacre, Candace | Not talking to each other, was that an objection? |
| 10:16:37 AM | Atty Ingram LG&E/KU | |
| | Note: Sacre, Candace | An objection if related to cost assessment any project CPCN case. |
| 10:16:47 AM | Camera Lock Applicant Activated | |
| 10:17:26 AM | Chair Hatton | |
| | Note: Sacre, Candace | Response? |
| 10:17:28 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Cross Examination (cont'd). Talking about IRP, if nothing do with IRP let me know, fair? |
| 10:17:29 AM | Camera Lock Intervener Activated | |
| 10:17:36 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | General assumption with questions ask? |
| 10:17:38 AM | Camera Lock Deactivated | |
| 10:17:42 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | When in IRP process, is SCR on Ghent? |
| 10:17:52 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Some type analysis done in IRP come to that conclusion? |
| 10:17:57 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Not involved in any of that? |
| 10:18:13 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Inputs part of that, one be capital cost of SCR? |
| 10:18:22 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Team help develop costs? |
| 10:18:25 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Other inputs be included? |
| 10:18:30 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Prospective avoidable costs, additional capital costs needed? |
| 10:18:49 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | What term you like use? |
| 10:18:52 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | When developing inputs, other prospective avoidable costs gather? |
| 10:19:32 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Catalyst replacements SCR one of main ones? |
| 10:19:57 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Here when Gary talking to Schram? |

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| 10:20:02 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Discussion about power plants break down over time? |
| 10:20:12 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Pieces are periodically replaced? |
| 10:20:16 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Sometimes could be boiler be overhauled? |
| 10:20:30 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Could do boiler tubes or reheater, elements are considered? |
| 10:20:36 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | When doing IRP analysis, look at lifespan, parts need replaced? |
| 10:21:09 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Know which member of team does lifecycle analysis? |
| 10:21:25 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Not his role under IRP? |
| 10:21:33 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Role plays in CPCN docket? |
| 10:21:48 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Definitely look at catalyst for SCR? |
| 10:21:53 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Look at that over amortization period of SCR, what period time use? |
| 10:22:21 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | Sebourn current role do all of that? |
| 10:22:25 AM | Atty Henry Sierra Club - witness Tummonds | |
| | Note: Sacre, Candace | He would do that for all existing fossil generation? |
| 10:22:49 AM | Chair Hatton | |
| | Note: Sacre, Candace | Staff? |
| 10:22:56 AM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 10:23:09 AM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Elizabeth McFarland. |
| 10:23:15 AM | Camera Lock Witness Activated | |
| 10:23:21 AM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 10:23:29 AM | Chair Hatton - witness McFarland | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 10:23:41 AM | Camera Lock Deactivated | |
| 10:23:42 AM | Atty Ingram LG&E/KU - witness McFarland | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 10:23:48 AM | Atty Ingram LG&E/KU - witness McFarland | |
| | Note: Sacre, Candace | Title? |
| 10:23:54 AM | Atty Ingram LG&E/KU - witness McFarland | |
| | Note: Sacre, Candace | Been identified as responsible witness on data responses? |
| 10:23:57 AM | Camera Lock Witness Activated | |
| 10:24:10 AM | Chair Hatton | |
| | Note: Sacre, Candace | Mr. West? |
| 10:24:11 AM | Camera Lock Deactivated | |
| 10:24:13 AM | Chair Hatton | |
| | Note: Sacre, Candace | Procedural discussion. |
| 10:24:46 AM | Camera Lock Intervener Activated | |
| 10:25:15 AM | Camera Lock Deactivated | |
| 10:26:10 AM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? Mr. Spenard? |
| 10:26:17 AM | Camera Lock Intervener Activated | |

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| 10:26:21 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Cross Examination. 2024 IRP includes section on transmission, correct? |
| 10:26:23 AM | Camera Lock Deactivated | |
| 10:27:35 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Here or watching testimonies yesterday? |
| 10:27:47 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Word used describing IRP as snapshot, hear that? |
| 10:27:57 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Snapshot means IRP is look based on point in time? |
| 10:28:09 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Regard exhibit, SREA 1, integrated source planning, Section 4, part 5, reading, aware that? |
| 10:28:44 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Although snapshot, requirement in process IRP be forward-looking? |
| 10:29:07 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Regard load forecast, Section 7, part 3, reading, read correctly? |
| 10:30:05 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Section 7, part 3, reading, see that? |
| 10:30:35 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Although snapshot aspect, required IRP be forward looking? |
| 10:31:04 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Have to look out from planning standpoint, correct? |
| 10:31:16 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Assumption, understanding IRP requires utility take forward look? |
| 10:31:51 AM | Atty Ingram LG&E/KU Note: Sacre, Candace | IRP regulation speaks for itself. |
| 10:32:38 AM | Atty Spenard SREA Note: Sacre, Candace | Apologize for not prefacing comments earlier. |
| 10:33:49 AM | Chair Hatton Note: Sacre, Candace | She can answer if knows, please repeat the question. |
| 10:33:59 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Cross Examination (cont'd). Participated in putting together this integrated resource plan? |
| 10:34:14 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Asked provide input how transmission developing over next 15 years? |
| 10:34:57 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Never mean cut off witness, if not finish apologize if need finish answer, okay? |
| 10:35:14 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | 2024 IRP, Volume 3, Part B, discussion service under OATT, familiar section on transmission? |
| 10:35:37 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Regard page 6, OATT means Open Access Transmission Tariff? |
| 10:35:51 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | When companies build generation service load, submit transmission service request? |
| 10:36:13 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Looking at Transmission on page 7, Part C, role of ITO, familiar? |
| 10:36:30 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Going to read from page 7, reading, five bullet points, see that? |
| 10:37:12 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Third bullet point says, reading, see that? |

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| 10:37:35 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | If have knowledge, discussion generation resources various scenarios necessary meet base year and next 15 years? |
| 10:38:09 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | In terms of generation, ITO have oversight over generation planning? |
| 10:38:49 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Approving or denying request of TSR, reading, anything through which required approval of ITO regarding generation planning? |
| 10:39:33 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Bullet point in IRP states, reading, does ITO oversight with respect generation planning criteria? |
| 10:41:23 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | What stated when expansion plan submitted, include information regard companies' proposed generation? |
| 10:43:42 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Regard sequence of events, decision on whether pursue generator made before or after decision submit TSR? |
| 10:44:33 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Companies' Response, SREA Request for Information, Answer 23, one of two witnesses on question? |
| 10:45:09 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Second paragraph in answer, reading, see that? |
| 10:46:07 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | What difference between affiliated firm load and unaffiliated firm load? |
| 10:47:12 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Generation standpoint, companies have fleet of generation assets? |
| 10:47:32 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Under control of companies? |
| 10:47:41 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Companies also have transmission network? |
| 10:47:48 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Transmission differs because under independent transmission operator? |
| 10:48:20 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Provide illustrations point-to-point customer taking firm service? |
| 10:49:29 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | NITS, retail customers obtain firm network integrated transmission service? |
| 10:50:24 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Who takes service under TSR? |
| 10:50:52 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Have role in terms of transmission service tariff? |
| 10:51:30 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Handle transactions transmission service companies' retail customer? |
| 10:51:55 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | LG&E/KU customers receiving transmission other than retail service tariffs? |
| 10:54:27 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Correct transmission system not simply used service retail customers? |
| 10:55:20 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Serve customers and serve other than retail, how balanced? |

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| 10:56:40 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Locate new generation, decision made before decision prepare TSR? |
| 10:57:20 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Developing all-in cost, how balance cost generation with cost transmission to determine plan? |
| 10:59:15 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Information cost of generation synchronized cost of transmission support generation? |
| 11:00:06 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Proposing generation low-load or no growth planning, required submit TSR? |
| 11:01:46 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Additional incremental generation built, be both GIR and TSR? |
| 11:03:32 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Companies' claim not practical estimate upgrade costs sites not exist, reading, see that? |
| 11:04:55 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Answer Response, Questions 41, subpart 2, reading, see that? |
| 11:05:49 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Reasons companies not evaluated transmission studies external entities? |
| 11:06:18 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Comparisons made, look at program and compare results, remember? |
| 11:06:47 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Regard RFP, companies not issue just to issue, gain information, here? |
| 11:07:24 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | View companies approach transmission in isolation? |
| 11:09:24 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | Used word "seams?" |
| 11:09:33 AM | Atty Spenard SREA - witness McFarland Note: Sacre, Candace | S-E-A-M-S or S-E-E-M-S, when say seams, what mean? |
| 11:10:16 AM | Chair Hatton Note: Sacre, Candace | 15-minute break, |
| 11:10:36 AM | Session Paused | |
| 11:29:42 AM | Session Resumed | |
| 11:29:45 AM | Chair Hatton Note: Sacre, Candace | Back on record, ready for Joint Intervenors. |
| 11:29:53 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Cross Examination. Had talked about your NITS, right? |
| 11:29:59 AM | Camera Lock Deactivated | |
| 11:30:18 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Said before are eight, two EKPC and KYMEA? |
| 11:30:31 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | All listed in open access transmission tariff? |
| 11:30:37 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Read list of eight, EKPC and KYMEA, also Big Rivers? |
| 11:31:00 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Also Hoosier Energy RECC? |
| 11:31:04 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Also Kentucky Municipal Power Agency? |
| 11:31:08 AM | Atty McCrae Joint Intervenors - witness McFarland Note: Sacre, Candace | Owensboro Municipal Utilities? |

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| 11:31:12 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Also Tennessee Valley Authority? |
| 11:31:15 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | And eighth is LG&E/KU, affiliated NITS customer? |
| 11:31:38 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Important distinguish LG&E/KU NITS opposed transmission owner? |
| 11:31:52 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | As transmission owner, all NITS customers pay tariffed rates? |
| 11:32:26 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | FERC jurisdictional rate? |
| 11:32:38 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Formula rate in OATT? |
| 11:32:45 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Updated annually? |
| 11:33:00 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Heard ask Bevington about Response AG Request 2-1-B, witnesses listed Bevington Jones Wilson and yourself? |
| 11:33:42 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Looking at Question 1 begins See and gives URL? |
| 11:33:51 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Answer, final line page 1, service requests Camp Ground Road project? |
| 11:34:12 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Representation understanding as well TSRs Camp Ground Road project? |
| 11:34:19 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Bevington not sure whether projects in table page 2, network facilities, tell for each? |
| 11:34:39 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Each one of those? |
| 11:34:43 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Paragraph below table two additional projects, also be network facilities? |
| 11:35:26 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Table, first one already completed, accurate? |
| 11:35:35 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Bevington not sure, second two, projects underway? |
| 11:36:01 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Nine-breaker or 12-breaker interconnection, either going forward? |
| 11:36:54 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | When say we and customer, who we is and who customer is? |
| 11:37:57 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Not as though LG&E/KU have contract with customer? |
| 11:38:23 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Pull up companies' Response, JI Request 1.6-1, seeing name responding witness? |
| 11:38:51 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Question begins please refer to process, same thing looking at? |
| 11:39:01 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Three subparts, questions related to interconnection, see that? |
| 11:39:13 AM | Atty McCrae Joint Intervenor - witness McFarland Note: Sacre, Candace | Interested in subpart C, please describe and estimate, page two, read paragraph? |

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| 11:39:48 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | In final two sentences, reading, accurate? |
| 11:40:19 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Correct add short phrase, costs new load recovered through tariff? |
| 11:41:58 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Added specificity costs recovered through OATT, been correct? |
| 11:42:09 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | One of ways recovered through OATT adjustments to formula rate? |
| 11:42:19 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Means each of eight NITS customers some portion upgrades socialized? |
| 11:42:39 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Tariff rates recalculated annually in June? |
| 11:42:58 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | LG&E/KU transmission system number of interconnections, understanding? |
| 11:43:26 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | EKPC reports free-flowing transmission with LG&E/KU, mean something? |
| 11:43:48 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | How characterize 66 interconnections EKPC? |
| 11:43:56 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Delivery points? |
| 11:43:59 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Could move power towards either system? |
| 11:44:04 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Capability sometimes greater moving one direction or other? |
| 11:44:26 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | When your load served off EKPC system, pay their NITS rate? |
| 11:44:32 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | When their load served off your system, pay NITS rate? |
| 11:44:40 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | 2024 IRP first time LG&E/KU providing list these interconnections? |
| 11:45:50 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Said coordinate neighboring systems with planning operational needs? |
| 11:46:07 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Would include coordinating with EKPC? |
| 11:46:15 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Developing 2024 IRP and transmission inputs, conversations EKPC? |
| 11:46:27 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Have conversations other transmission system neighbors 2024 IRP? |
| 11:47:21 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | How footprint balancing area compare LG&E/KU footprint as provider? |
| 11:48:10 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Interconnection points with EKPC idea total transfer capability? |
| 11:48:52 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Vary seasonally summer to winter? |
| 11:48:57 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Vary depending on real-time conditions? |
| 11:49:02 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Not able reduce to estimated numbers under sets of conditions? |

11:49:21 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Information reported on face 2025 EKPC IRP, reviewed?

11:49:31 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Reach out and ask questions about development of IRP?

11:49:58 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Think remotely ballpark report capability between two 10,934 mVA?

11:50:24 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Not know extreme conditions number increases or decreases?

11:50:35 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Not know by how much?

11:50:38 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace If EKPC reported 9,275 mVA summer conditions, state correct?

11:50:55 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Important both LG&E and EKPC have idea capabilities is?

11:51:12 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Something could be reported in IRPs as done by EKPC?

11:51:43 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace mVA is unit of power?

11:51:58 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace mVA measuring both real power as well as reactive power?

11:52:12 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace For lay person, think of mVA equivalent to megawatt?

11:53:00 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Team developing inputs for 2024 IRP also included Chris Balmer and Josh Boone?

11:53:28 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Both report to you?

11:53:45 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Discussions have other members IRP team about batteries asset?

11:53:59 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Represented provided inputs after asked for specific scenarios?

11:54:41 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Also make suggestions to team about additional scenarios?

11:55:13 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Did developers of IRP ask about potential line reconductoring?

11:55:48 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Reconductoring only be selected by model if hits constraint?

11:56:22 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Power flow model option choose battery storage transmission asset?

11:57:01 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Understood power flow model if hits congestion, finds alternative?

11:57:50 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Power flow model not also give solution?

11:58:33 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Bullet points Volume 3, ITO holds two annual stakeholder meetings?

11:59:19 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace LG&E/KU be stakeholder?

11:59:28 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace I could be a stakeholder?

11:59:32 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Is an open meeting?

11:59:38 AM Atty McCrae Joint Intervenor - witness McFarland
Note: Sacre, Candace Do you attend meetings as LG&E/KU transmission provider?

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| 11:59:53 AM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Role transmission provider screened from retail end user? |
| 12:00:43 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Feel like core set stakeholders tend to show up? |
| 12:01:14 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Be person speak to about generator interconnection queue? |
| 12:01:25 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Every generator wants interconnect goes through that queue? |
| 12:01:41 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Periodically updated on open access site? |
| 12:02:16 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Report historical requests as well projects five years ago or more? |
| 12:02:58 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Whether projects removed from bad queue posting or solid historical record? |
| 12:03:20 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Tell what mean for projects listed as LGIA signed but suspended? |
| 12:05:17 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Familiar with customer classifications? |
| 12:05:26 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Residential customers no need for direct connection? |
| 12:05:41 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Often case commercial customers take service at distribution level? |
| 12:05:53 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Restaurant generally distribution operation? |
| 12:06:02 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Asked restaurant as general example? |
| 12:06:08 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Distribution? |
| 12:06:11 PM | Atty McCrae Joint Intervenor - witness McFarland | |
| | Note: Sacre, Candace | Even grocery store likely distribution customer? |
| 12:06:32 PM | Chair Hatton | |
| | Note: Sacre, Candace | Staff? |
| 12:06:36 PM | Staff Atty van Zyl PSC - witness McFarland | |
| | Note: Sacre, Candace | Cross Examination. Part of that looking at cost of reconductoring? |
| 12:07:17 PM | Staff Atty van Zyl PSC - witness McFarland | |
| | Note: Sacre, Candace | Study be cheaper replace lines with carbon core line versus upgrading steel core lines? |
| 12:07:48 PM | Staff Atty van Zyl PSC - witness McFarland | |
| | Note: Sacre, Candace | When do studies, look at standards? |
| 12:07:50 PM | Staff Atty van Zyl PSC - witness McFarland | |
| | Note: Sacre, Candace | Then only include what in standards? |
| 12:08:01 PM | Staff Atty van Zyl PSC - witness McFarland | |
| | Note: Sacre, Candace | When provide inputs for IRP, wait standard include technology? |
| 12:08:43 PM | Commissioner Regan | |
| | Note: Sacre, Candace | Not have anything. |
| 12:08:45 PM | Chair Hatton | |
| | Note: Sacre, Candace | Nor do I. Redirect? |
| 12:08:56 PM | Chair Hatton | |
| | Note: Sacre, Candace | One more and take lunch break. |
| 12:09:05 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Peter Waldrab. |
| 12:09:08 PM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |

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| 12:09:11 PM | Camera Lock Witness Activated | |
| 12:09:16 PM | Chair Hatton - witness Waldrab | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 12:09:27 PM | Atty Ingram LG&E/KU - witness Waldrab | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 12:09:29 PM | Camera Lock Deactivated | |
| 12:09:33 PM | Atty Ingram LG&E/KU - witness Waldrab | |
| | Note: Sacre, Candace | Title? |
| 12:09:35 PM | Camera Lock Witness Activated | |
| 12:09:39 PM | Atty Ingram LG&E/KU - witness Waldrab | |
| | Note: Sacre, Candace | Identified as witness on responses? |
| 12:09:52 PM | Camera Lock Deactivated | |
| 12:09:55 PM | Chair Hatton | |
| | Note: Sacre, Candace | Questions? |
| 12:10:30 PM | Chair Hatton | |
| | Note: Sacre, Candace | Procedural discussion. |
| 12:10:59 PM | Camera Lock Commissioner Activated | |
| 12:11:05 PM | Chair Hatton | |
| | Note: Sacre, Candace | Lunch break, back at 1. |
| 12:11:23 PM | Session Paused | |
| 1:02:55 PM | Chair Hatton | |
| | Note: Sacre, Candace | Back on the record. |
| 1:02:55 PM | Session Resumed | |
| 1:03:02 PM | Chair Hatton | |
| | Note: Sacre, Candace | Call next witness. |
| 1:03:08 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Philip Imber. |
| 1:03:10 PM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 1:03:11 PM | Camera Lock Witness Activated | |
| 1:03:19 PM | Chair Hatton - witness Imber | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 1:03:35 PM | Atty Wimberly LG&E/KU - witness Imber | |
| | Note: Sacre, Candace | Direct Examination. Title? |
| 1:03:41 PM | Atty Wimberly LG&E/KU - witness Imber | |
| | Note: Sacre, Candace | Sponsor responses to data requests? |
| 1:03:51 PM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? |
| 1:03:51 PM | Camera Lock Deactivated | |
| 1:03:54 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Cross Examination. Director of Environmental Compliance for PPL Services, correct? |
| 1:04:06 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | PPL Service Corporation services to LG&E and KU? |
| 1:04:15 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | In role, responsible reviewing federal regulations impact fleet? |
| 1:04:28 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Key role in IRP? |
| 1:04:39 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Keep track of developments environmental regulations? |
| 1:04:45 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Also keep track compliance options? |
| 1:04:52 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | For IRP, evaluated four different scenarios? |

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| 1:05:25 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | And four scenarios revolved three different rules? |
| 1:05:34 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Three rules, Good Neighbor Plan one of them? |
| 1:05:43 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Can refer to as Ozone NAAQS/Good Neighbor Plan, be better? |
| 1:05:51 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Second one effluent limitation guidelines? |
| 1:06:05 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | ELG rule, one of scenarios identified? |
| 1:06:15 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Other one be Clean Air Act, carbon regulations under 111? |
| 1:06:23 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | One considered in IRP, no environmental regulations? |
| 1:06:37 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Other one looked at compliance with ozone NAAQS? |
| 1:06:44 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Next one layered on compliance also ELG compliance? |
| 1:07:00 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Fourth one added on to 111(d) compliance? |
| 1:07:18 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Carbon regulation Section 111 Clean Air Act, both (b) and (d)? |
| 1:07:24 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Company recommended resource plan compliance ozone NAAQS? |
| 1:07:44 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | In IRP is there recommended resource plan? |
| 1:07:57 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Prefer use term baseline? |
| 1:08:02 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Under baseline, what regulations contemplated? |
| 1:08:26 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ozone considered part of baseline? |
| 1:08:40 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Environmental regulation driving plan install SCR Ghent 2? |
| 1:08:54 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | In 2015, EPA updated ozone national ambient air quality standards? |
| 1:09:13 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Standards set at level requisite protect public health? |
| 1:09:25 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Noted standards updated periodically? |
| 1:09:40 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | NAAQS retained or ratcheted down? |
| 1:09:52 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ghent plant not emit ozone? |
| 1:10:06 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ozone not directly emitted by Ghent power plant? |
| 1:10:14 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Forms in atmosphere result NOx and VOC emissions? |
| 1:10:24 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Most relevant this conversation NOx emissions? |
| 1:10:40 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Coal combustion results in significant NOx emissions? |
| 1:10:54 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Emit NOx emissions? |

1:11:07 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Once EPA new standard, starts states come into compliance plan?

1:11:25 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace States required submit implementation plans ensure attainment?

1:11:39 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Each state plan include emission limitations ensure meets standard?

1:12:01 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Not going to get compound focused?

1:12:18 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Will go there next, plans also ensure, reading, correct?

1:12:46 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Good Neighbor Plan, heard of that?

1:13:03 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Dealing with interstate transfer issue with ozone?

1:13:26 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace EPA originally disapproved Kentucky plan?

1:14:19 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace If say CSAPR or Cross State Air Pollution, know referring to?

1:14:34 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace I can call it CSAPR?

1:14:37 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Good Neighbor Plan revises EPA CSAPR NOx trading program?

1:15:15 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Fair say Good Neighbor Plan not novel approach?

1:15:46 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Program stretches back 25 years?

1:16:05 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Before Good Neighbor Plan, there was CSAPR?

1:16:11 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Few updates, too?

1:16:18 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Before CSAPR, something called CAIR?

1:16:26 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Before CAIR, there was NOx STEP call?

1:16:34 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Although rules changed, program existed some time?

1:16:52 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Noted before, CSAPR designed address EPA 2008 NAAQS for ozone?

1:17:14 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Issue to New Jersey, Connecticut, and New York?

1:17:34 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace But impact emissions?

1:17:41 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Nonattainment area referred to and nonattainment area impacted by Kentucky emissions?

1:18:15 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Court of Appeals vacate EPA dismissal of Kentucky SIP?

1:18:31 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Remanded SIP back to EPA?

1:18:38 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace Kentucky plan back at EPA which can approve or disapprove?

1:18:50 PM Atty Henry Sierra Club - witness Imber
Note: Sacre, Candace In 2024, Supreme Court stayed Good Neighbor Plan?

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| 1:19:00 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Earlier iteration also stayed, remember if CSAPR? |
| 1:19:21 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Aware Supreme Court eventually upheld CSAPR? |
| 1:19:45 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | CSAPR being implemented? |
| 1:19:54 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Aware Supreme Court stayed CSAPR before implemented? |
| 1:20:09 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Historically, eventually been implemented? |
| 1:20:28 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Agree CSAPR basic approach dealing Good Neighbor Plan is not going away? |
| 1:21:00 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Other ways EPA impose NOx emission reductions on Ghent 2? |
| 1:21:10 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Covered Ghent subject to NOx emissions through CSAPR? |
| 1:21:16 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Continue to be? |
| 1:21:20 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ghent 2 always face continued cost compliance with CSAPR? |
| 1:21:35 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Other means regulate NOx emissions from facility? |
| 1:21:47 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ever heard of SIP call? |
| 1:21:49 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | SIP call authority another way impose requirements on facility? |
| 1:21:58 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Refer to something as 126 petition, familiar? |
| 1:22:03 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Another mechanism regulate NOx emissions be from 126 petition? |
| 1:22:11 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Allows state petition EPA finding emits air pollutant in violation of prohibition? |
| 1:22:38 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Aware states filed 126 petitions before? |
| 1:22:50 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | New York has utilized the petition? |
| 1:22:57 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Maryland utilized petition? |
| 1:23:04 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Contributions Kentucky impacting New York, New Jersey, Maryland, and Connecticut? |
| 1:23:46 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Talked CSAPR noted based interstate contributions nonattainment Ozone NAAQS? |
| 1:24:02 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | CSAPR, based on interstate contributions nonattainment Ozone NAAQS? |
| 1:24:12 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | And that for 1997 Ozone NAAQS? |
| 1:24:22 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Actually, 2008, CSAPR addressing 2008 Ozone NAAQS? |

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| 1:24:36 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Also addressing particulate matter? |
| 1:25:00 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Refresh memory CSAPR implementing 1997 and 2006 particulate matter standard? |
| 1:25:26 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar fact original CSAPR restricted NOx and SO2 emissions? |
| 1:25:37 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | NOx emissions precursor to ozone? |
| 1:25:43 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Remember why SO2 regulated under CSAPR, comply PM NAAQS? |
| 1:25:59 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | SO2 controlled under CSAPR comply with PM NAAQS? |
| 1:26:07 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Because SO2 precursor for fine particulate matter? |
| 1:26:21 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Aware Feb 2024 EPA issued revised standard fine particulate matter? |
| 1:26:32 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Revised particulate standard 12 mcg per cubic meter, changed to? |
| 1:26:59 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Possible future transport obligation address new PM standard? |
| 1:27:20 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Transport rule trying achieve attainment NAAQS? |
| 1:27:33 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Talked about different iterations, refer to as transport rules? |
| 1:27:45 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Transport rules achieve attainment different standards? |
| 1:27:58 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | When NAAQS lowered, new transport rule achieve compliance? |
| 1:28:21 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Have new PM NAAQS? |
| 1:28:37 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Not been transport rule yet addressed that? |
| 1:28:51 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Once attainment designations made, trigger transport rule? |
| 1:29:10 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Could be future transport obligation reduce PM emissions, too? |
| 1:29:25 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Gas-fired plants smaller amount particulate matter than coal plants? |
| 1:29:42 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Gas-fired plants emit smaller amounts sulfur dioxide than coal-fired plants? |
| 1:30:01 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Baseline resource plan, not include compliance costs Section 111? |
| 1:30:31 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | One had compliance ozone NAAQS, ELGs, 2024, and 111? |
| 1:30:50 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Compliance costs with 111 not included baseline? |
| 1:30:57 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Witness in 2002 CPCN case, 2002-00402? |
| 1:31:11 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Companies sought approval retire Ghent 2? |

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| 1:31:22 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Rationale seeking retirement compliance costs associated 111? |
| 1:31:43 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Don't remember? |
| 1:31:53 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Remember which regulations support recommended retirement? |
| 1:32:19 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Telling me not remember? |
| 1:32:31 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Carbon regulation in general? |
| 1:32:57 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Rules under 111(d), significant implications coal-fired units? |
| 1:33:11 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | With respect existing generating units like Ghent? |
| 1:33:30 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Four subcategories for compliance? |
| 1:33:47 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Agree one pathway operate past 2040 capture and sequestration? |
| 1:34:16 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | One of pathways? |
| 1:34:20 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Ninety percent capture rate? |
| 1:34:29 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Remember how much cost metric ton do capture and sequestration? |
| 1:34:49 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar previously estimated cost be \$60 metric ton? |
| 1:35:01 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Know how many metric tons carbon Ghent 2 emits? |
| 1:35:22 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Approximately 2.4 million metric tons? |
| 1:35:37 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | If Ghent comply, in addition compliance costs for ozone NOx? |
| 1:35:58 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Know amortization period companies proposing SCR Ghent 2? |
| 1:36:14 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Think ask for in post-hearing data request? |
| 1:36:21 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar fact companies pay storage of carbon dioxide? |
| 1:36:50 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Have to find entity use carbon dioxide or find storage? |
| 1:37:14 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Pathway where utility elects retire 2040 but co-fires natural gas? |
| 1:37:50 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Second compliance pathway? |
| 1:38:01 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Third pathway, retire 2035 capacity factor limitation 2030? |
| 1:38:12 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Fourth pathway, retire by 2032 maintain emissions? |
| 1:38:41 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | With no emission reductions, not produce more? |
| 1:38:49 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | 2035 then take capacity limitation? |

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| 1:39:21 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | If operate under 111(d), operate past 2040, capture and sequestration? |
| 1:39:27 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Would have costs? |
| 1:39:30 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | In addition SCR costs? |
| 1:39:35 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Baseline case, companies not include compliance costs? |
| 1:39:55 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Assumption assigned zero dollars comply next 15 years? |
| 1:40:13 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Because assigns zero dollar value, no compliance costs? |
| 1:40:58 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | In baseline, recommended resource plan, zero dollars comply? |
| 1:41:07 PM | Atty Wimberly LG&E/KU Note: Sacre, Candace | Objection, answered multiple times. |
| 1:41:14 PM | Atty Henry Sierra Club Note: Sacre, Candace | At end, threw in different answer. |
| 1:41:18 PM | Chair Hatton Note: Sacre, Candace | Past 40 minutes, asking whether or not agrees what rules are. |
| 1:41:26 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Cross Examination (cont'd). Carbon tax opposed cost, acted as proxy future law? |
| 1:42:39 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Plan that baseline plan zero dollars for regulation? |
| 1:42:46 PM | Atty Wimberly LG&E Note: Sacre, Candace | Objection. |
| 1:42:47 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Looked at compliance costs with 111, correct? |
| 1:42:50 PM | Chair Hatton Note: Sacre, Candace | Need rule on objection. Response? |
| 1:42:56 PM | Atty Henry Sierra Club Note: Sacre, Candace | Asked question and he didn't answer. |
| 1:43:09 PM | Chair Hatton Note: Sacre, Candace | So say not asked and answered? |
| 1:43:11 PM | Atty Henry Sierra Club Note: Sacre, Candace | Not asked and answered. |
| 1:43:13 PM | Atty Wimberly LG&E/KU Note: Sacre, Candace | Henry acknowledged has asked this question, Imber answered it. |
| 1:43:26 PM | Chair Hatton Note: Sacre, Candace | Let's move along. |
| 1:43:32 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Cross Examination (cont'd). Company also looked carbon tax? |
| 1:43:55 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Review Staff's recommendation from 2021 IRP? |
| 1:44:03 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Remember what Staff said about carbon tax? |
| 1:44:12 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Heard of term piecemealing? |
| 1:44:18 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Comply one regulation but not second, analyzing portion of costs? |
| 1:44:41 PM | Atty Henry Sierra Club - witness Imber Note: Sacre, Candace | Comply one but not another, analyzing portion compliance costs? |

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| 1:45:03 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Two final rules, NOx emissions and carbon emissions? |
| 1:45:12 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Looks at costs one rule but not other, considering some of costs? |
| 1:45:56 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Final baseline plan has preferred path forward? |
| 1:46:28 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar with PLEXOS modeling? |
| 1:46:37 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar with three compliance options? |
| 1:47:05 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | In IRP, three compliance options, add SCR Ghent 2, familiar? |
| 1:47:18 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Another not install SCR but not operate ozone season, familiar? |
| 1:47:31 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Familiar also considered retiring unit as compliance option? |
| 1:47:39 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Those are three compliance options considered in IRP? |
| 1:48:14 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Not evaluate converting Ghent run on natural gas without SCR? |
| 1:49:02 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Review report Energy Futures attached to Sierra Club comments? |
| 1:49:10 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Plants coal to gas NOx emission rate .04 pounds MMBtu? |
| 1:49:47 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Reviewed Clean Air Markets database if are plants? |
| 1:50:26 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Referring to analysis for Mill Creek? |
| 1:50:57 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Know which plants looked at? |
| 1:51:08 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Know when study completed? |
| 1:51:14 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Know who performed study? |
| 1:51:29 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Produce study in post-hearing data request? |
| 1:51:37 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | If like that in post-hearing data request, can respond to it. |
| 1:51:47 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Not know who did study, done internally? |
| 1:51:56 PM | Atty Wimberly LG&E/KU | |
| | Note: Sacre, Candace | Objection, stated multiple times not familiar with reports. |
| 1:52:06 PM | Chair Hatton | |
| | Note: Sacre, Candace | Believe he has answered. |
| 1:52:11 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Cross Examination (cont'd). There was final report created? |
| 1:52:14 PM | Atty Wimberly LG&E/KU | |
| | Note: Sacre, Candace | Objection. |
| 1:52:16 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Was there, I don't know, was there report created? |
| 1:52:25 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | I wasn't in them. |
| 1:52:29 PM | Chair Hatton | |
| | Note: Sacre, Candace | How about just request anything looking for, and they provide? |

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| 1:52:32 PM | Chair Hatton | |
| | Note: Sacre, Candace | But if he doesn't know, he doesn't know. |
| 1:52:42 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | Cross Examination (cont'd). When have report, verify findings? |
| 1:52:56 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | If rely on report, do quality assurance check conclusions? |
| 1:53:09 PM | Atty Henry Sierra Club - witness Imber | |
| | Note: Sacre, Candace | What is the typical process? |
| 1:53:23 PM | Chair Hatton | |
| | Note: Sacre, Candace | Moving on to Mr. Spenard? Joint Intervenors? |
| 1:53:33 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Cross Examination. Different scenarios from environmental only, your expertise? |
| 1:53:58 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Evaluated no new regulations, assumes regulations in place go away? |
| 1:54:27 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Companies' recommended resource plan in IRP, familiar? |
| 1:54:34 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Recommended resource plan based on ozone NAAQS plus ELG? |
| 1:54:43 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | That scenario assumes no GHG regulations? |
| 1:54:52 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | How likely for next 15 years be no GHG regulations, view as likely? |
| 1:55:13 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Response AG 1-7, this asks about impacts of election results? |
| 1:56:03 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Agree gist of question recent change in administration? |
| 1:56:13 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Down last paragraph, second page, read first sentence? |
| 1:56:56 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Reasonable version ozone NAAQS stick around or come back? |
| 1:57:22 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Continue where left off next sentence in response? |
| 1:57:48 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Agree reasonable no GHG regulations next 15 years after reading response? |
| 1:58:32 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Mercury Air Toxic Standard, another rule updated recently? |
| 1:58:48 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | Standard 0.03 pounds per million Btu to 0.01 pounds per million Btu? |
| 1:59:19 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | 0.01 pounds per million Btu on 30-day rolling average? |
| 1:59:38 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | If 30-day rolling average, have continuous emissions monitors? |
| 1:59:59 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | PM CEMS every hour, hourly measure what particulate matter is? |
| 2:00:14 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | 30-day rolling standard MATS, averaged course of day and average those 30 days? |
| 2:00:52 PM | Atty Gary Joint Intervenors - witness Imber | |
| | Note: Sacre, Candace | CEMS for NOx and SO2 on all units? |

2:01:06 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace If ask hourly data, able be provided?

2:01:25 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Followed up JI 2-19-C, not yours, for reference?

2:02:10 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Monthly data, could provide hourly data instead?

2:03:07 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Verify could be provided if requested?

2:03:28 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace How far back keep hourly data?

2:03:41 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Permit recordkeeping?

2:03:50 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Deals with Louisville area, certain counties nonattainment?

2:04:19 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Certain counties in Kentucky still designated nonattainment?

2:04:29 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Number years designation bumped up more stringent levels?

2:04:50 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Started marginal and bumped up moderate nonattainment?

2:04:59 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Failed to attain last year, counties risk bumped up to serious?

2:05:09 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Moderate level include control technologies?

2:05:25 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Only coal units nonattainment area Mill Creek units?

2:05:49 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Only ones?

2:05:56 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Only LG&E or KU coal units nonattainment area Mill Creek?

2:06:06 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Case by case determination?

2:06:15 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Coal units more than likely include insulation and operation?

2:06:29 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Unit 1 stopped operating?

2:06:37 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Unit 2 still operating but not have SCRs?

2:06:53 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Planned retire by 2028?

2:07:08 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace In context of IRP, Mill Creek assumed retire 2028?

2:07:18 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace If operated beyond, have to install SCRs?

2:07:31 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Generally, operate beyond 2028, likely have to install SCR?

2:07:51 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Within a nonattainment area?

2:07:56 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Units 3 and 4 do have SCRs?

2:08:01 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Certain costs operate SCRs, catalyst needs be replaced?

2:08:23 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Need reactant to operate SCRs?

2:08:35 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Costs less operate units if SCRs not being operated?

2:08:48 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Units with SCRs cost less operate if SCRs not utilized?

2:09:18 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Even if have SCR installed?

2:09:23 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Then cost more operate unit with SCR running?

2:09:41 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Catalyst increases more often use it?

2:09:48 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace SCRs at Mill Creek 3 and 4 operated during summer right now?

2:10:02 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Annually, at all times?

2:10:47 PM Atty Gary Joint Intervenor - witness Imber
Note: Sacre, Candace Title V permit require constant operation of SCRs?

2:11:09 PM Chair Hatton
Note: Sacre, Candace Staff?

2:11:12 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Cross Examination. Current regulatory rules operate under, general list?

2:12:00 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace No new regulation scenario modeled, when NAAQS get finalized?

2:12:55 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace That based on attaining 2015 standards?

2:13:02 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace The 2008 standards?

2:13:09 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace To attain 2015 standards been 2023 rule that was stayed?

2:13:24 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Upgraded among states?

2:13:29 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace For our purposes, still operating under attaining 2008 standards?

2:13:46 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace How long companies doing environmental regulation?

2:14:15 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace When new rule proposed by EPA, how long process?

2:14:59 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Talk about air quality standards?

2:15:05 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace For 2015 standards, when rule originally proposed?

2:15:27 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Not have to change operating standards for that?

2:17:00 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Preferred scenario NAAQS rule plus ELG rule, when expect actually take effect?

2:17:36 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace When modeled for IRP, given four scenarios?

2:17:54 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Selected most likely ozone rules plus ELG rules?

2:18:03 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Since neither implemented, when expect compliance required?

2:19:19 PM Staff Atty van Zyl PSC - witness Imber
Note: Sacre, Candace Under current regulations, required SCR on Ghent 2?

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| 2:20:18 PM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 2:20:35 PM | Chair Hatton | |
| | Note: Sacre, Candace | Next witness? |
| 2:20:38 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Lana Isaacson. |
| 2:20:43 PM | Camera Lock Witness Activated | |
| 2:20:47 PM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 2:20:56 PM | Chair Hatton - witness Isaacson | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 2:21:06 PM | Atty Wimberly LG&E/KU - witness Isaacson | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 2:21:11 PM | Atty Wimberly LG&E/KU - witness Isaacson | |
| | Note: Sacre, Candace | Title? |
| 2:21:15 PM | Atty Wimberly LG&E/KU - witness Isaacson | |
| | Note: Sacre, Candace | Sponsor responses to data requests? |
| 2:21:23 PM | Camera Lock Deactivated | |
| 2:21:24 PM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? Mr. Spenard? Joint Intervenors? |
| 2:21:35 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Cross Examination. Heard looking talk avoided cost assumptions? |
| 2:22:00 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | At time undertook 2021 IRP, most recent studies 2016 and 2017? |
| 2:22:48 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Familiar with 2016 potential study? |
| 2:22:55 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Related to energy efficiency potential? |
| 2:23:05 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | 2017 potential study? |
| 2:23:21 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | 2016-2017 energy potential studies avoided capacity value zero dollars? |
| 2:23:38 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | After 2021 IRP created, 2022 cross-sector energy efficiency update? |
| 2:23:59 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | In that 2022 study, not update avoided cost values? |
| 2:24:13 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Still zero dollar avoided capacity cost? |
| 2:24:21 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | That 2022 update evidence in 2022 CPCN proceeding? |
| 2:24:38 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Since conclusion of proceeding up to 2024 IRP, not another study? |
| 2:24:54 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | No longer with Cadmus, using Resource Innovations? |
| 2:25:07 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Reason switched from Cadmus? |
| 2:25:20 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Discussion about potential study in advance of 2024 IRP? |
| 2:25:44 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Going into 2024 IRP, most recent studies used zero dollar? |
| 2:26:01 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Going into 2024 IRP, most recent study used zero dollar costs? |

2:26:40 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Talking about 2022-00402 CPCN and DSM proceeding?

2:26:55 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Potential study zero dollar capacity cost assumption, did update?

2:27:09 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Recall actual avoided capacity cost assumption develop DSM plan?

2:27:29 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace 136 kW per year, increase adjusted?

2:27:43 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Recall amount increased to?

2:28:19 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Talking about discounting avoided costs over time?

2:28:44 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace What think table is doing different years and avoided values?

2:29:00 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Matters time of program and how cost capacity discounted?

2:29:25 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Generation Planning gives you the table?

2:29:28 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Don't question table?

2:29:47 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Agree capacity never free?

2:30:02 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Generally speaking, conversations with Wilson?

2:30:29 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Think odd got table with avoided cost values of zero?

2:30:40 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Ask Generation Planning why are zeroes?

2:30:55 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Familiar other inputs used for DSM cost effectiveness?

2:31:09 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Aware additional inputs beyond capacity and energy?

2:31:23 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Examples listed in California Standard Practice Manual, familiar?

2:31:39 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Outlines four cost effectiveness tests, each has certain inputs?

2:31:50 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Include inputs beyond energy and capacity, what inputs be?

2:32:09 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Not use avoided O&M cost in total test screening for DSM?

2:32:30 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Is input to cost effectiveness testing?

2:32:37 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Also important have fuel cost assumptions?

2:32:51 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Avoided fuel cost component standard tests?

2:33:04 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace What avoided fuel cost assumptions in 2022 cross-sector update?

2:33:25 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Because not responsible for cost effectiveness testing?

2:33:37 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Not create inputs for testing and not run testing, out to third party?

2:33:48 PM Atty McCrae Joint Intervenor - witness Isaacson
Note: Sacre, Candace Also not implement DSM programs, implemented by third party?

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| 2:34:01 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Process of attracting and enrolling eligible customers in given program? |
| 2:34:38 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Aware include values for avoided transmission expenses? |
| 2:34:52 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Include values for avoided distribution expenses? |
| 2:34:58 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Could include values avoided environmental compliance costs? |
| 2:35:16 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Utility cost test? |
| 2:35:20 PM | Atty Wimberly LG&E/KU Note: Sacre, Candace | Objection, not part of 2024 IRP. |
| 2:35:28 PM | Chair Hatton Note: Sacre, Candace | Counsel? |
| 2:35:32 PM | Atty McCrae Joint Intervenor Note: Sacre, Candace | Not dispute not provided, should have been. |
| 2:35:56 PM | Chair Hatton Note: Sacre, Candace | Staff, have position? |
| 2:36:00 PM | Staff Atty van Zyl PSC Note: Sacre, Candace | Not know drilling down not done as relevant, whether included in IRP certainly criticism. |
| 2:36:19 PM | Chair Hatton Note: Sacre, Candace | With those parameters, allow it. |
| 2:36:31 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Cross Examination (cont'd). Input avoided environmental compliance cost be component of formula? |
| 2:37:19 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Because avoided capacity costs relevant DSM cost effectiveness? |
| 2:37:47 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Cost effectiveness screening not part of planning? |
| 2:38:05 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Cost effectiveness DS savings potential need screening? |
| 2:38:33 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Aware IRP regulation on face require discussion all options? |
| 2:38:49 PM | Atty Wimberly LG&E/KU Note: Sacre, Candace | Objection, specifically part of IRP, included in filing. |
| 2:38:59 PM | Chair Hatton Note: Sacre, Candace | Response? |
| 2:39:02 PM | Atty McCrae Joint Intervenor Note: Sacre, Candace | Surprised rehashing it myself, looking for clear record. |
| 2:39:21 PM | Chair Hatton Note: Sacre, Candace | Think she said enhancing programs been cost effectiveness study. |
| 2:39:27 PM | Atty McCrae Joint Intervenor Note: Sacre, Candace | Wondering anything beyond that, not new programs not already in place. |
| 2:39:33 PM | Chair Hatton Note: Sacre, Candace | I think she answered. |
| 2:40:18 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Cross Examination (cont'd). Program design important input to screening? |
| 2:40:36 PM | Atty McCrae Joint Intervenor - witness Isaacson Note: Sacre, Candace | Also possible iterate screening based on different parameters? |

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| 2:40:53 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | DS Moore rebate program provide input for percentage of rebate? |
| 2:41:28 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Could change input and have different score result? |
| 2:41:43 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Changing program design parameters change cost effectiveness? |
| 2:41:54 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Not as though utility look rebate program, decide is/is not cost effective? |
| 2:42:14 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Goal with modeler model range of design variations? |
| 2:43:09 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Consistent 2017 and 2016 studies used zero capacity values? |
| 2:43:27 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | 2024-2030 knew going after potential consistent with 2016-2017 studies? |
| 2:44:04 PM | Atty McCrae Joint Intervenors - witness Isaacson | |
| | Note: Sacre, Candace | Benchmark used was zero dollar avoided capacity cost? |
| 2:44:11 PM | Atty Wimberly LG&E/KU | |
| | Note: Sacre, Candace | Objection, asked and answered multiple times. |
| 2:44:14 PM | Atty McCrae Joint Intervenors | |
| | Note: Sacre, Candace | Withdrawn. |
| 2:44:27 PM | Chair Hatton | |
| | Note: Sacre, Candace | Staff? |
| 2:44:31 PM | Staff Atty West PSC - witness Isaacson | |
| | Note: Sacre, Candace | Cross Examination. IRP, Volume 1, Section 8 at 21, PDF page 106 of 135, there? |
| 2:45:03 PM | Staff Atty West PSC - witness Isaacson | |
| | Note: Sacre, Candace | Two programs 2025, peak-time rebates and residential online audits and rebates, provide update? |
| 2:45:38 PM | Staff Atty West PSC - witness Isaacson | |
| | Note: Sacre, Candace | Look at LG&E/KU cost benefit analysis, give updates regarding the program design process? |
| 2:46:36 PM | Chair Hatton | |
| | Note: Sacre, Candace | Commissioner Regan? |
| 2:46:40 PM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 2:46:48 PM | Chair Hatton | |
| | Note: Sacre, Candace | Call next witness. |
| 2:46:51 PM | Atty Crosby LG&E/KU - witness Montgomery | |
| | Note: Sacre, Candace | Shannon Montgomery. |
| 2:46:56 PM | Camera Lock Witness Activated | |
| 2:47:04 PM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 2:47:10 PM | Chair Hatton - witness Montgomery | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 2:47:29 PM | Atty Wimberly LG&E/KU - witness Montgomery | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 2:47:35 PM | Atty Wimberly LG&E/KU - witness Montgomery | |
| | Note: Sacre, Candace | Title? |
| 2:47:40 PM | Atty Wimberly LG&E/KU - witness Montgomery | |
| | Note: Sacre, Candace | Sponsor responses to data requests? |
| 2:47:45 PM | Camera Lock Deactivated | |

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| 2:47:47 PM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? Mr. Spenard? |
| 2:47:54 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Cross Examination. Provide responses to requests? |
| 2:48:37 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Not called upon prefile direct testimony? |
| 2:48:50 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Provide summary of what do as VP of Customer Services? |
| 2:49:50 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Familiar with tariffs of KU? |
| 2:50:00 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Familiar with tariffs of LG&E? |
| 2:50:07 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Aware standard rate schedules KU includes schedule for residential service? |
| 2:50:42 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Aware KU rate schedules include residential time-of-day energy service? |
| 2:50:53 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Aware KU rate schedules include residential time-of-day demand service? |
| 2:51:03 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Option select service one of three tariffs, assuming tariffs all open? |
| 2:51:30 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Company ever refuse service under tariff otherwise available? |
| 2:52:04 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Expectation customer takes service believes most advantageous use of energy? |
| 2:52:37 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Expect those three groups have different energy usage? |
| 2:53:18 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Also tariff provision for volunteer fire department service? |
| 2:53:32 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Language for service, states availability, reading, accept? |
| 2:54:44 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Also says, reading, seem could determine whether take service under VFD or other schedule, how tariff works? |
| 2:55:43 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Customer 400 MW data center, tariffs under which customer take service? |
| 2:56:16 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | One thing say rate, another tariff under which service taken, conversation with you or Conroy? |
| 2:57:31 PM | Atty Spenard SREA - witness Montgomery | |
| | Note: Sacre, Candace | Asked questions regarding customer classification, told you were witness? |
| 2:57:48 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Take responsibility for this, nature of questions, thought going to ask. |
| 2:58:30 PM | Chair Hatton | |
| | Note: Sacre, Candace | Who is right person? |
| 2:58:34 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Suggest Hornung, Conroy. |

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| 2:59:40 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Cross Examination. Which tariff data center takes service under, decision for economic development team? |
| 3:00:14 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Who makes decision what tariff allowed take service under? |
| 3:00:32 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Economic Development presents options, Conroy team makes decision, or ask Conroy? |
| 3:00:51 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | To answer that question? |
| 3:00:55 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Question and Response JI Second, No. 36, Supplemental Response, PDF May 8, Spreadsheet? |
| 3:02:18 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Requested information on monthly average customers past due balances and monthly average past due amount? |
| 3:02:43 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Pull that up, once have it let me know? |
| 3:02:49 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Supplemental spreadsheet, ask about '23, average number of customers and average past due balance? |
| 3:03:26 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | When says average number of customers, what averaged over? |
| 3:03:45 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Average past due month, past due ZIP averaged by month? |
| 3:03:57 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Average number of customers, across all rate classes? |
| 3:04:24 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | 40003, average number 45, means 540 past due customers, some more than one month? |
| 3:05:08 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | That's 540 past due bills in that ZIP code course of the year? |
| 3:05:18 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Total past due amount for ZIP code be \$242.45 multiplied by 12? |
| 3:05:48 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | When say could be same or could be different, customers? |
| 3:05:54 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Total amount past due in ZIP code, figured out multiplying \$242.45 by 12 months? |
| 3:06:25 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Customer past due one month and past due amount \$242, average past due \$242 divided by 12? |
| 3:07:12 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Ask post-hearing clarifies amounts, annual summary total amount past due bills ZIP code provided? |
| 3:07:56 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Broken out by class of customer, the rate class? |
| 3:08:12 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Scroll down, ZIP 40225, says 0 average customers, actually 0.16 continuing, basically two past due bills? |
| 3:08:57 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Average of those little over a million dollars? |
| 3:09:07 PM | Atty Gary Joint Intervenor - witness Montgomery | |
| | Note: Sacre, Candace | Large customer? |

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| 3:09:10 PM | Atty Gary Joint Intervenor - witness Montgomery Note: Sacre, Candace | Looking 40225 where in state, one customer, familiar what in ZIP code? |
| 3:09:25 PM | Atty Wimberly LG&E/KU Note: Sacre, Candace | Objection, objected to question in written response, fail to see where going with this. |
| 3:09:40 PM | Atty Gary Joint Intervenor Note: Sacre, Candace | My question is IRP regulation specifically asks purpose adequate supply electricity lowest possible cost all customers. |
| 3:10:36 PM | Chair Hatton Note: Sacre, Candace | Not asking identity of customer? |
| 3:10:39 PM | Atty Gary Joint Intervenor Note: Sacre, Candace | I think identity is publicly available. |
| 3:11:02 PM | Atty Crosby LG&E/KU Note: Sacre, Candace | Don't disagree with counsel necessity function and conformity statement of IRP regulation states, it says, reading. This is a rate case question in the rate case. |
| 3:12:14 PM | Chair Hatton Note: Sacre, Candace | About to say, break down rates by class in rate case. One more chance convince me relevant in IRP. |
| 3:12:36 PM | Atty Gary Joint Intervenor Note: Sacre, Candace | Somewhat implicit in idea of lowest possible cost individual classes not bear brunt of that. |
| 3:12:51 PM | Chair Hatton Note: Sacre, Candace | Staff, relevant IRP or not? |
| 3:12:55 PM | Asst Gen Counsel Bellamy PSC Note: Sacre, Candace | Look at overall revenue effect, not at classes of customers. |
| 3:13:02 PM | Chair Hatton Note: Sacre, Candace | Relevant information, not specific to case though. |
| 3:13:15 PM | Chair Hatton Note: Sacre, Candace | Staff? |
| 3:13:19 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Cross Examination. Response SREA Request, Question 6, PDF page 18 of 60, first PPA reference Rhudes Creek solar facility? |
| 3:14:04 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Other one relate to BrightNight Ragland? |
| 3:14:14 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Look at IRP, Volume 1, page 5-728, section 5, footnote 38, PDF page 35 of 135, read and tell me when done? |
| 3:15:40 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Appears six PPAs not moving forward, what looking at? |
| 3:16:02 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Share screen, Administrative Case 387, table filed, six PPAs at issue? |
| 3:16:21 PM | Wireless Presentation Activated | |
| 3:16:36 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Relevant throughout IRP solar essentially doubled in cost? |
| 3:16:54 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Look back at footnote 38, discusses additional solar projects? |
| 3:17:13 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Concern projects not go forward based on increased cost of solar? |
| 3:17:42 PM | Staff Atty West PSC - witness Montgomery Note: Sacre, Candace | Mr. Tummonds? |
| 3:17:45 PM | Atty Crosby LG&E/KU Note: Sacre, Candace | Also answer questions about facilities post-hearing. |

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| 3:18:02 PM | Chair Hatton | |
| | Note: Sacre, Candace | Any questions, Commissioner Regan? |
| 3:18:04 PM | Wireless Presentation Deactivated | |
| 3:18:06 PM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 3:18:17 PM | Atty Gary Joint Intervenors | |
| | Note: Sacre, Candace | Request quick recess? |
| 3:18:33 PM | Session Paused | |
| 3:32:17 PM | Chair Hatton | |
| | Note: Sacre, Candace | Back on record in 2024-00326. |
| 3:32:17 PM | Session Resumed | |
| 3:32:19 PM | Chair Hatton | |
| | Note: Sacre, Candace | Call next witness? |
| 3:32:22 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | Michael Hornung. |
| 3:32:28 PM | Camera Lock Witness Activated | |
| 3:32:29 PM | Chair Hatton | |
| | Note: Sacre, Candace | Witness is sworn. |
| 3:32:35 PM | Chair Hatton - witness Hornung | |
| | Note: Sacre, Candace | Examination. Name and business address? |
| 3:32:56 PM | Atty Crosby LG&E/KU - witness Hornung | |
| | Note: Sacre, Candace | Direct Examination. By whom employed? |
| 3:33:00 PM | Atty Crosby LG&E/KU - witness Hornung | |
| | Note: Sacre, Candace | Title? |
| 3:33:05 PM | Atty Crosby LG&E/KU - witness Hornung | |
| | Note: Sacre, Candace | Sponsor responses to data requests? |
| 3:33:12 PM | Camera Lock Deactivated | |
| 3:33:21 PM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? SREA? |
| 3:33:48 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Cross Examination. First ask you familiar with tariffs of KU? |
| 3:34:19 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Familiar with tariffs of LG&E? |
| 3:34:24 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | IRP regulation, Section 7, load forecast, take service under following tariff provisions, what provisions? |
| 3:36:52 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Focus rather than on class focus on usage? |
| 3:38:49 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Usage band for data center, where fall customer not residential? |
| 3:39:18 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Data centers usage industrial user or nonindustrial-nonresidential user? |
| 3:40:26 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Data centers option come in under RTS service? |
| 3:40:44 PM | Atty Spenard SREA - witness Hornung | |
| | Note: Sacre, Candace | Sign contract or receive service RTS absence separate contract? |
| 3:41:30 PM | Chair Hatton | |
| | Note: Sacre, Candace | Joint Intervenors? |
| 3:41:35 PM | Atty Gary Joint Intervenors - witness Hornung | |
| | Note: Sacre, Candace | Cross Examination. Joint Intervenors First, No. 75, subpart B, net metering beyond threshold? |
| 3:42:20 PM | Atty Gary Joint Intervenors - witness Hornung | |
| | Note: Sacre, Candace | Companies' response, next page, reading, see that? |

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| 3:42:35 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | When say adversely affected, assume cost wise? |
| 3:42:44 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | How long been with companies? |
| 3:42:50 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | How long dealing with rate setting? |
| 3:43:06 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | Here in 2020 when companies transitioned to Net Metering 2 Tariff? |
| 3:43:15 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | Avoided costs be considered in setting Net Meter 2 rider? |
| 3:43:36 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | Set by Commission ensure compensation provided at costs avoided for companies? |
| 3:43:59 PM | Atty Crosby LG&E/KU Note: Sacre, Candace | Object on grounds of relevance. |
| 3:44:23 PM | Atty Gary Joint Intervenor Note: Sacre, Candace | Companies indicated load forecast depends on one percent threshold, affects load forecast. |
| 3:45:18 PM | Chair Hatton Note: Sacre, Candace | Still same objection? |
| 3:45:21 PM | Atty Crosby LG&E/KU Note: Sacre, Candace | Discussion Jones load forecasting assumptions, questions better addressed in rate case. |
| 3:45:54 PM | Chair Hatton Note: Sacre, Candace | Staff have an opinion? |
| 3:45:59 PM | Staff Atty van Zyl PSC Note: Sacre, Candace | To extent question about one percent limit, specific questions what numbers should be, but Staff defers. |
| 3:46:21 PM | Chair Hatton Note: Sacre, Candace | Keep questions within parameters. |
| 3:46:24 PM | Atty Gary Joint Intervenor Note: Sacre, Candace | Two quick questions. |
| 3:46:34 PM | Chair Hatton Note: Sacre, Candace | Three cases going at once, difficult respect positions of all parties. |
| 3:47:11 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | Cross Examination (cont'd). Purpose setting avoided costs where were avoid impacts on non-net metering customers? |
| 3:47:33 PM | Atty Gary Joint Intervenor - witness Hornung Note: Sacre, Candace | That methodology stated was avoided costs to company? |
| 3:47:51 PM | Chair Hatton Note: Sacre, Candace | Staff? Commissioner Regan? Redirect? |
| 3:48:06 PM | Chair Hatton Note: Sacre, Candace | Next witness? |
| 3:48:10 PM | Atty Crosby LG&E/KU Note: Sacre, Candace | Robert Conroy. |
| 3:48:14 PM | Camera Lock Witness Activated | |
| 3:48:16 PM | Chair Hatton Note: Sacre, Candace | Witness is sworn |
| 3:48:22 PM | Chair Hatton - witness Conroy Note: Sacre, Candace | Examination. Name and business address? |
| 3:48:39 PM | Atty Crosby LG&E/KU - witness Conroy Note: Sacre, Candace | Direct Examination. By whom employed? |
| 3:48:47 PM | Atty Crosby LG&E/KU - witness Conroy Note: Sacre, Candace | Title? |

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| 3:48:51 PM | Atty Crosby LG&E/KU - witness Conroy | |
| | Note: Sacre, Candace | Sponsor responses to data requests? |
| 3:48:58 PM | Camera Lock Deactivated | |
| 3:49:00 PM | Chair Hatton | |
| | Note: Sacre, Candace | Mr. Malone? |
| 3:49:11 PM | Atty Malone KCA - witness Conroy | |
| | Note: Sacre, Candace | Cross Examination. Discussion about where data centers fit into rates, RTS possibility, thought about new category for them? |
| 3:49:43 PM | Atty Crosby LG&E/KU | |
| | Note: Sacre, Candace | If question is rate schedule data centers served under, question for rate case. |
| 3:49:59 PM | Chair Hatton | |
| | Note: Sacre, Candace | Mr. Malone? |
| 3:50:01 PM | Atty Malone KCA | |
| | Note: Sacre, Candace | That's fine, I can move on. |
| 3:50:05 PM | Atty Malone KCA - witness Conroy | |
| | Note: Sacre, Candace | Cross Examination (cont'd). Aware other utilities other areas, Ohio or Indiana, struggling how deal stranded costs? |
| 3:50:44 PM | Atty Malone KCA - witness Conroy | |
| | Note: Sacre, Candace | Familiar any working create contracts allow for capture of stranded costs? |
| 3:51:18 PM | Chair Hatton | |
| | Note: Sacre, Candace | Sierra Club? Mr. Spenard? Joint Intervenors? |
| 3:51:31 PM | Atty Gary Joint Intervenors - witness Conroy | |
| | Note: Sacre, Candace | Cross Examination. Who makes determination what tariff customer allowed take service under? |
| 3:51:54 PM | Atty Gary Joint Intervenors - witness Conroy | |
| | Note: Sacre, Candace | If question somebody applying, who companies make determination tariff applicable? |
| 3:52:40 PM | Chair Hatton | |
| | Note: Sacre, Candace | Staff? |
| 3:52:57 PM | Chair Hatton | |
| | Note: Sacre, Candace | Redirect? |
| 3:53:07 PM | Chair Hatton | |
| | Note: Sacre, Candace | Any further witnesses? |
| 3:53:11 PM | Chair Hatton | |
| | Note: Sacre, Candace | Any motions? |
| 3:53:19 PM | Chair Hatton | |
| | Note: Sacre, Candace | Post-hearing data requests. |
| 3:55:52 PM | Camera Lock Applicant Activated | |
| 3:56:00 PM | Camera Lock Intervener Activated | |
| 3:56:01 PM | Camera Lock Deactivated | |
| 3:59:27 PM | Chair Hatton | |
| | Note: Sacre, Candace | Supplemental comments. |
| 4:04:19 PM | Chair Hatton | |
| | Note: Sacre, Candace | Anything further? |
| 4:04:22 PM | Chair Hatton | |
| | Note: Sacre, Candace | Hearing adjourned. |
| 4:04:37 PM | Session Ended | |

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