

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF EAST)	
KENTUCKY POWER COOPERATIVE, INC.)	CASE NO.
FOR 1) CERTIFICATES OF PUBLIC)	2024-00370
CONVENIENCE AND NECESSITY TO)	
CONSTRUCT A NEW GENERATION		
RESOURCES; 2) FOR A SITE COMPATIBILITY		
CERTIFICATE RELATING TO THE SAME; 3)		
APPROVAL OF DEMAND SIDE		
MANAGEMENT TARIFFS; AND 4) OTHER		
GENERAL RELIEF		

NOTICE OF FILING

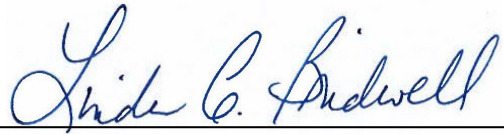
Notice is given to all parties that the following materials have been filed into the record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on April 22, 2025 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- All exhibits introduced at the evidentiary hearing conducted on April 22, 2025 in this proceeding; 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 April 22, 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/Wdywu9TCAI>.

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

Done in Frankfort, Kentucky, on July 30, 2025.



Linda C. Bridwell, PE
Executive Director

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ELECTRONIC APPLICATION OF EAST)
KENTUCKY POWER COOPERATIVE, INC., FOR)
1) CERTIFICATES OF PUBLIC CONVENIENCE)
AND NECESSITY TO CONSTRUCT NEW)
GENERATION RESOURCES; 2) FOR A SITE)
COMPATIBILITY CERTIFICATE RELATING TO)
THE SAME; 3) APPROVAL OF DEMAND SIDE)
MANAGEMENT TARIFFS; AND OTHER)
GENERAL RELIEF)

CASE NO.
2024-00370

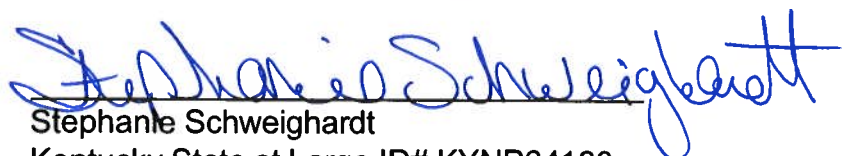
CERTIFICATION

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 April 22, 2025. The Formal Hearing Log, Exhibits, and Exhibit List are included with the recording on April 22, 2025.
2. The recording accurately and correctly depicts the Formal Hearing of April 22, 2025; and
3. The Formal Hearing Log accurately and correctly states the events that occurred at the Formal Hearing on April 22, 2025, and the time at which each occurred.

Signed this 29th day of July, 2025.


Candace H. Sacre
Administrative Specialist Senior


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



Session Report - Detail

2024-00370 22Apr2025

East Kentucky Power Cooperative,
Inc. (EKPC)

Date:	Type:	Location:	Department:
4/22/2025	Public Hearing\Public Comments	Hearing Room 2	Hearing Room 2 (HR 2)

Witness: Darrin Adams; Denise Cronin; Scott Drake; Rhea Roumpani; Elizabeth Stanton; Julia Tucker
Judge: Angie Hatton; Mary Pat Regan
Clerk: Candace H Sacre

Event Time	Log Event
9:03:13 AM	Session Started
9:03:14 AM	Chair Hatton
	Note: Sacre, Candace On the record in Case No. 2024-00370, Day 2.
9:03:18 AM	Chair Hatton
	Note: Sacre, Candace Preliminary remarks.
9:03:36 AM	Chair Hatton
	Note: Sacre, Candace Ready to call next witness?
9:03:41 AM	Atty Temple EKPC
	Note: Sacre, Candace Darrin Adams.
9:03:48 AM	Chair Hatton
	Note: Sacre, Candace Witness is sworn.
9:03:57 AM	Chair Hatton
	Note: Sacre, Candace Counsel?
9:04:00 AM	Atty Temple EKPC - witness Adams
	Note: Sacre, Candace Direct Examination. Name and business address?
9:04:09 AM	Atty Temple EKPC - witness Adams
	Note: Sacre, Candace Position at East Kentucky?
9:04:17 AM	Atty Temple EKPC - witness Adams
	Note: Sacre, Candace In application, file testimony and respond to data requests?
9:04:23 AM	Atty Temple EKPC - witness Adams
	Note: Sacre, Candace Revisions, corrections, edits, or anything like that?
9:04:32 AM	Atty Temple EKPC - witness Adams
	Note: Sacre, Candace Intention adopt testimony and responses and have incorporated into record?
9:04:45 AM	Chair Hatton
	Note: Sacre, Candace Questions?
9:04:48 AM	Chair Hatton
	Note: Sacre, Candace For Intervenor, Ms. McCrae?
9:04:53 AM	Atty McCrae Joint Intervenor - witness Adams
	Note: Sacre, Candace Cross Examination. As director of transmission planning and system production for EKPC, who would you report to?
9:05:19 AM	Atty McCrae Joint Intervenor - witness Adams
	Note: Sacre, Candace Heard yesterday Young reports to Mosier?
9:05:25 AM	Atty McCrae Joint Intervenor - witness Adams
	Note: Sacre, Candace Be familiar with Young and his testimony?
9:05:34 AM	Atty McCrae Joint Intervenor - witness Adams
	Note: Sacre, Candace Work in concert doing transmission planning in relation to site selection for proposed projects?
9:05:47 AM	Atty McCrae Joint Intervenor - witness Adams
	Note: Sacre, Candace That be consistent with ordinary responsibilities to oversee both regular transmission planning and specific needs for additional transmission analysis?

9:06:06 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Work with a team of folks?
9:06:22 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Power flow analyses, done in-house?
9:06:30 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	What software use for that?
9:06:51 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	What's difference?
9:07:26 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Difference also related to ability analyze power flows across larger/smaller geographic areas?
9:07:56 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Thinking back to Young testimony, my understanding of direct is part of rationale for selecting Cooper for combined cycle, site provided voltage support and reliability to existing system, your understanding as well?
9:09:10 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Recall that application emphasized not just winter storms had impact on planning but also reinforced view of needs as well as reliability fix south central Kentucky service area?
9:09:51 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Could turn to your testimony, page 14, lines 7 to 9, reading, that continues to be your testimony?
9:10:50 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Several years here means known problem since 2007?
9:11:00 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	That, now known, problem identified in 2007 was not reliability problem identified in course of ordinary transmission planning?
9:11:15 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Was discovered in response to modeling did of particular scenarios where both Cooper units offline as contingency as well as Wolf Creek?
9:11:31 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Prior to that modeling, EKPC of view be reliability problem both Cooper units offline at same time?
9:12:15 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	After 2007 modeling put together or modeled both as simultaneous, which be better way say that?
9:12:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	My understanding not continue to model both as simultaneous outage until changes made related pollution controls?
9:13:03 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Because at that point with scrubber system was more operational reason than was risk both unit outages?
9:13:16 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	But between 2007 and 2013, not doing transmission analysis that way?
9:13:30 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Continue on direct on same page, little lower, lines 12-14. and state, reading, continues to be testimony?
9:14:08 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Would refer now to have a new last IRP, but this refers to 2022 IRP?
9:14:20 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Information current in 2022 not provided in IRP, itself?

9:14:32 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Detail reliability and transmission concerns came to light through data requests and responses, correct?
9:14:47 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Aware had any IRP between 2007 and 2022 that on face discussed known reliability problem south central region?
9:15:05 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Know if mentioned in 2025 IRP?
9:15:13 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Involved in 2025 IRP?
9:15:20 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Talk about southern portion of service territory, understanding EKPC transmission system are four main sources serving electric demands of member/owner coops in that area?
9:16:02 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	To confirm, your Attachment DA-1, be transmission impact study related to Cooper CCGT addition?
9:16:25 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	And could refer you to introduction section on page five of 22 see a map, Figure 1-1, of southern portion, see that?
9:16:45 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Below that, first line reads, reading, so definitely four courses currently?
9:17:00 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Is Cooper units, and, here, assuming co-fire project went ahead or is units as exist?
9:17:17 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Then got free flowing connections to TVA and LG&E and also Wolf Creek Dam?
9:17:33 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Continue point out if Liberty RICE approved as proposed would provide fifth main source support reliability?
9:17:59 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Have with you responses JI data requests?
9:18:14 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Pull up attachment provided in response to JI Request 1.23(C)?
9:19:13 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Attachment is presentation deck titled Cooper Generation Unavailability Transmission Analysis?
9:19:24 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	See is dated Jun 5 2024, right?
9:19:28 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Involved in this analysis?
9:19:39 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Request analysis be done?
9:19:44 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Who directed you perform analysis?
9:20:22 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Recent winter peaks, during each of those, EKPC not in position having power system failure in area of transmission system?
9:20:42 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Transmission system adequate to deliver load?
9:21:40 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	If more gone wrong than already, you may had to shut down?

9:21:54 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Is testimony all EKPC generating units available to full capacity both storms?
9:22:20 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Recall LG&E and KU doing load check during one of storms?
9:22:38 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	EKPC transmission system is interconnected to LG&E/KU system, right?
9:22:47 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Amount of capacity flow power between interfaces with LG&E/KU from 2025 IRP around 19,000 FPA approximately right?
9:23:17 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Concern you if had neighboring transmission system experiencing power system failures?
9:23:25 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Not stay abreast whether neighboring system have most robust transmission ties experience power system failures during storms?
9:23:59 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Actual events experienced EKPC system not relative to planning, understand that?
9:24:31 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Not recall being alerted either storm was bulk power system failure?
9:24:45 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Not been called in for real-time support or analysis during either of storms?
9:24:56 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Who responsible for that?
9:25:04 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Are screened for them at all?
9:25:11 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Any witness in proceeding connected to department?
9:25:46 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Back to slide deck, understanding of study aim was develop alternatives provide system support and improve load serving ability, sound right?
9:26:29 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Flip ahead to Slide 6 titled baseline results, baseline results before added alternatives?
9:27:02 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	At baseline with no alternatives added, results showed no immediate impact due retirement Cooper 1 and 2 along with RICE at Liberty, was a finding of study?
9:27:30 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Did proceed study alternatives?
9:27:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Flip ahead to Slide 9, performance summary load serving ability?
9:27:44 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Believe will see chart on table?
9:27:54 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	First column listing alternatives studied, right?
9:28:04 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Second column, reminded based on 50/50 load probability, and that column telling what ability to amount incremental load added in Southern Kentucky region without regional voltage or thermal loading violations?

9:28:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Third column, same concept of how much incremental load but now seeing as percentage?
9:28:51 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	If start with alternative 1, capacitor bank Cooper 69 kv, if added to system, EKPC ability serve incremental 288 MWs load in region, right?
9:29:41 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Where seeing that?
9:29:53 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	One thing not understand first row for base, how there 24 percent increase over base in base scenario?
9:30:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Capacitor bank, alt one, be 32 percent improvement over which base?
9:31:40 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Makes sense, then highlighting of alternative 2, 5, and 6 designating alternative selected additional study, additional power flow model, right?
9:32:08 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Capacitor bank not advanced in analysis as alternative for further study?
9:32:14 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	But capacitor bank is project EKPC plans go forward with?
9:32:24 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	EKPC going forward with project improve reliability of service to customer load in area absence of available generation at Cooper?
9:32:45 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Estimated project cost install capacity bank provide 32 percent increase over base forecast ability serve load about \$1 million?
9:33:04 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	And be completed by end of 2026?
9:33:14 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	That project which take less than two years to complete will provide additional reliability and reactive power margin high load periods when one or both units not operating?
9:33:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Also interested talk about possibility planning new 345 kV line to LG&E/KU substation, pronounce it for me?
9:33:54 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Alcaldia?
9:34:05 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Understanding not moving forward with project, right?
9:34:12 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Did get estimated capital cost of \$70 million, ballpark?
9:34:19 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Estimate time complete project about four years?
9:34:30 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Addition of 345 kV line conjunction with Liberty RICE determined support additional 405 MWs of EKPC load in region?
9:34:51 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Above 50/50?
9:35:00 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Is line work will be doing on connection to LG&E/KU substation, right?

9:35:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Direct analysis performed about possibility higher capacity line as part of Cooper project?
9:35:58 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Wondering what analysis done compare conceptual project of 345 line to Alcala station to new line are going to run, ever head to head in analysis have in record?
9:36:24 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Think done with attachment, ask question about 2025 IRP, propose put it on screen, transmission planning section, at 6.0 of 2025 IRP, PDF 147, familiar cover page?
9:37:04 AM	Wireless Presentation Activated	
9:37:35 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Move down into Section 6.0 to Tables 6-12 and 6-13, PDF 162, Import Capability, reported in new IRP?
9:38:14 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Looking at this, Section 6, second full paragraph, it states, reading, sound familiar?
9:39:37 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Would have written section of IRP?
9:39:46 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Would have reviewed it before submitted for IRP?
9:39:52 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	2025 IRP assumes approval of currently pending CPCN applications?
9:40:01 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Why see Cooper Station reflected with higher capacity than presently has because includes combined cycle?
9:40:10 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Also include Cooper 1?
9:40:15 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Just combined cycle and Cooper 2?
9:40:21 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Analysis simulated outage on each of first three stations, all units down at Cooper, at J K Smith, or at Spurlock, correct?
9:40:38 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Wanted to see even without any power injections from any of those facilities would limit ability to import power, correct?
9:40:56 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Did fourth scenario where modeled outage all EKPC generation, simultaneous outage Cooper Station, J K Smith, Spurlock, Liberty, RICE, Bluegrass, every unit at five plants?
9:41:22 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Is that ordinary planning analysis, simultaneous outage all units five sites?
9:41:39 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Ever experienced or aware if EKPC fleet experienced like that level of outages?
9:41:52 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	The fourth bullet, yeah?
9:42:07 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	Spilling onto top of next page, went step further and going to report what if all EKPC fleet down and LG&E/KU's Brown 3?
9:42:21 AM	Atty McCrae Joint Intervenor - witness Adams	
	Note: Sacre, Candace	LG&E/KU's Brown 3 important to supporting transmission system in southern region?

9:42:40 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	If roll down, present results of informational study Table 6-12 and 6-13, each of models including peak, summer peak and winter peak?
9:43:01 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Understand, looking at Table 6-2 thinking of summer import capacity at peak, only one of scenarios modeled identified transmission problem limit ability import power?
9:43:25 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	For summer import capability assessment, just one outage scenario where transmission limit would prevent imported power identified?
9:43:40 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Just at one facility in one scenario?
9:43:58 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Explain how is it, one scenario talking about, Brown 3 in addition to Cooper simultaneous outage found transmission limit, but when modeled Brown outage, Cooper outage, J K Smith outage, Spurlock outage, Bluegrass outage, no limit, explain how make sense to you?
9:45:10 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	When power flow analysis running, make choice reduce power flow in outage situation with Cooper and Brown 3?
9:45:23 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	So how assume that in Brown and all EKPC outage scenarios but not assumed lower flow adjusted Cooper outage?
9:45:43 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Understood to suggest makes sense there be no limit even if Brown 3 and all EKPC generation simultaneously out because power flows from particular line been reduced?
9:46:23 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Understand, so model not dial up or down power flows, but in all out view assumed power flows out, not happening?
9:46:56 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Possible extrapolate that to real time operation, like in real time transmission operations, if outage at Cooper, changing flows somewhere else help avoid voltage problem?
9:48:03 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Hear discussion yesterday about synchronous condensers?
9:48:08 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Synchronous condensers provide reactive power support, right?
9:48:14 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Capacity bank project going forward provide reactive support, right?
9:48:24 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Also interested in winter import capability assessment in Table 6-13, this would have included winter peak?
9:48:53 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Again, only one scenario, found transmission limit, right?
9:49:02 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Most conservative modeling, putting all of EKPC and Brown 3 on outage during winter peak?
9:49:27 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	And no Brown 3?
9:49:31 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Only in that situation did study identify transmission limit prevent importing power?

9:50:02 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Understand, about ability move power into transmission system from neighboring systems?
9:50:12 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Important point, if could scroll down narrative section, first paragraph PJM ensures generation, may be deliverable to load throughout PJM, and ensures transmission constraints not prevent power effectively flowing to load, agree?
9:51:57 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Continue down to top of next page, IRP reported EKPC not typically experience import and export transmission limitations on operational basis due to limited ATC, refers to available transmission capacity?
9:52:21 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Agree with statement?
9:52:27 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Because both on planning and on operational basis EKPC not typically experience import and export transmission limitations?
9:52:45 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	One more short line of questions, recalling distinction between transmission operation and transmission planning, as director on planning side, necessary follow transmission related proceedings at FERC?
9:53:30 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Transmission related proceedings?
9:53:40 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	So FERC Order 1920, long term transmission planning rule, familiar with it?
9:53:53 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Read all 1,000 pages of record in 1920?
9:53:58 AM	Wireless Presentation Deactivated	
9:54:02 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Familiar also with order on rehearing, Order 1920?
9:54:11 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Yes, 1920-A, yes?
9:54:16 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	These orders established new regional grid planning standards and requirements?
9:54:48 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	All transmission owners subject FERC jurisdiction comply with 1920 and 1920-A?
9:55:05 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	How distinguish transmission owner and transmission provider?
9:55:48 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Part of membership as full participant into PJM ceding to them responsibility?
9:56:02 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Be responsible for working and coordinating with PJM on Order 1920 compliance?
9:56:09 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Process underway now?
9:56:19 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Tell me generally status?
9:56:50 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	PJM established a timeline conclude process?

9:56:57 AM	Atty McCrae Joint Intervenor - witness Adams Note: Sacre, Candace	Know when expect do that?
9:57:46 AM	Atty McCrae Joint Intervenor Note: Sacre, Candace	No further questions.
9:57:49 AM	Chair Hatton Note: Sacre, Candace	Staff?
9:57:51 AM	Staff Atty Saffari PSC - witness Adams Note: Sacre, Candace	Cross Examination. Refer to EKPC Response, Staff Third, Item 1, explain when range of transmission is expense is \$79,430,000 to \$127,595,00 using expense estimate of \$7 million over minimum reasonable?
9:59:56 AM	Staff Atty Saffari PSC - witness Adams Note: Sacre, Candace	If ask post-hearing data request, update those numbers and provide data?
10:00:04 AM	Staff Atty Saffari PSC Note: Sacre, Candace	All have.
10:00:06 AM	Chair Hatton. Note: Sacre, Candace	Commissioner?
10:00:08 AM	Chair Hatton - witness Adams Note: Sacre, Candace	Examination. Just for clarification for me, what about proposed transmission needs PJM?
10:00:54 AM	Chair Hatton - witness Adams Note: Sacre, Candace	As one of 50 or so projects?
10:00:57 AM	Chair Hatton - witness Adams Note: Sacre, Candace	So that was application done already then?
10:01:21 AM	Chair Hatton - witness Adams Note: Sacre, Candace	Was RRI application made for RICE unit already heard or just new project?
10:02:06 AM	Chair Hatton - witness Adams Note: Sacre, Candace	Won't necessarily need CPCN from PSC because not over mile and other requirements?
10:02:46 AM	Chair Hatton - witness Adams Note: Sacre, Candace	What trigger application, at what point ready?
10:03:07 AM	Chair Hatton Note: Sacre, Candace	All questions I have.
10:03:09 AM	Chair Hatton Note: Sacre, Candace	Redirect?
10:03:11 AM	Atty Temple EKPC Note: Sacre, Candace	Just a couple.
10:03:14 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	Redirect Examination. Questions about transmission capacity, explain difference between transmission capacity and generation capacity?
10:03:52 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	Said different way, could have most transmission capacity in world but, if not have generation, not matter if have transmission?
10:04:24 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	New generation proposed to provide generation needed to serve EKPC load?
10:04:44 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	Also discussion could move power into system but that not free power, right?
10:05:00 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	So if Cooper down and Spurlock and LG&E's generation units, still move power in from PJM but have to pay for it, not free, right?

10:05:18 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	Talking about analysis run 2025 IRP, when EKPC reviewed Order from 2022 IRP, lot of analysis run because of that?
10:05:42 AM	Atty Temple EKPC - witness Adams Note: Sacre, Candace	Specifically because of winter storms been occurring?
10:05:48 AM	Atty Temple EKPC Note: Sacre, Candace	Not have anything else.
10:05:50 AM	Chair Hatton Note: Sacre, Candace	Recross?
10:05:53 AM	Staff Atty Saffari PSC Note: Sacre, Candace	Quick follow up.
10:05:56 AM	Staff Atty Saffari PSC - witness Adams Note: Sacre, Candace	Recross Examination. For RI application RICE units, be one submission, not two?
10:06:13 AM	Staff Atty Saffari PSC - witness Adams Note: Sacre, Candace	For RR application for generation study, was that in this case separate from RICE case, was one submission or all included one study one submission?
10:06:44 AM	Chair Hatton Note: Sacre, Candace	Call next witness.
10:06:50 AM	Atty Temple EKPC Note: Sacre, Candace	Scott Drake.
10:06:59 AM	Chair Hatton Note: Sacre, Candace	Witness is sworn.
10:07:08 AM	Atty Temple EKPC - witness Drake Note: Sacre, Candace	Direct Examination. Name and business address?
10:07:17 AM	Atty Temple EKPC - witness Drake Note: Sacre, Candace	Title?
10:07:23 AM	Atty Temple EKPC - witness Drake Note: Sacre, Candace	Provide testimony and responses?
10:07:29 AM	Atty Temple EKPC - witness Drake Note: Sacre, Candace	Revisions, amendments, corrections, anything like that?
10:07:38 AM	Atty Temple EKPC - witness Drake Note: Sacre, Candace	Intention to adopt testimony and responses into record?
10:07:45 AM	Atty Temple EKPC Note: Sacre, Candace	Available for cross.
10:07:47 AM	Chair Hatton Note: Sacre, Candace	Mr. West?
10:07:48 AM	Asst Atty General West Note: Sacre, Candace	Just a few.
10:07:51 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Cross Examination. Responsible for Response PSC Request 2-6, correct?
10:08:04 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Staff 2, Request 6?
10:08:19 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	It's Second Request for Information from Staff, it's Request No. 6?
10:08:59 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Read that request and response?
10:11:15 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Used phrase cost competitive couple of times?
10:11:20 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Just way saying still be bound by least cost test?

10:11:45 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	How far along is EKPC in meeting 35 percent goal?
10:12:47 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	If understand summation correct, CPCNs for RICE units and what requested here new unit and co-firing helps get towards 35 percent but not all way there?
10:13:17 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	Is that analysis run that says are at 32 percent not 35, how judge ability meet goal?
10:13:52 AM	Asst Atty General West - witness Drake Note: Sacre, Candace	But your belief need some of New ERA resources get all the way?
10:14:11 AM	Asst Atty General West Note: Sacre, Candace	All have.
10:14:13 AM	Chair Hatton Note: Sacre, Candace	Questions?
10:14:22 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Cross Examination. Questions answering for West find curious add one more, in calculation achieved carbon emission reductions, include avoided emissions from energy efficiency savings?
10:15:09 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Purely supply side, there are avoided -
10:15:15 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Not know differently, if generation causes carbon emissions, if reduce energy needed, will avoid carbon emissions?
10:15:37 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	As director of business and technical services for power supply, report to Tucker?
10:16:01 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Who that team consist of?
10:16:21 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Understand responsibilities include leading development of power agreements?
10:16:29 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Same set of seven staff assist with development of power agreements?
10:16:35 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Oh, it falls on you?
10:16:38 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Also lead development PURPA co-generation and small power producer agreements, right?
10:16:48 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Just you, or involve team?
10:16:54 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	What share of workload that work out be?
10:17:03 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Would say is, ballpark, two-thirds of time, three-quarters of time,
10:17:12 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Half your time?
10:17:15 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	In last 12 years, also been responsible for DSM program development?
10:17:26 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	DSM plan proposed here, starting planning process, confirm every three years EKPC repeats demand side management technical potential study?

10:17:47 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Is to take service territory specific look how much energy and demand savings potential think have?
10:17:57 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	GDS been contractor used last three potential studies, that right?
10:18:11 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Page 5, direct, line 18, line 17 to 18, does say GDS performed study last three IRP filings, simplified that assume not have intervening between IRP filings, just last three?
10:18:51 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	This DSM plan supported by most recent 2024 potential study?
10:18:59 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Be fourth sequential study?
10:19:05 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Approximately how much contract price for 2024 potential study?
10:19:16 AM	Atty Honaker EKPC Note: Sacre, Candace	Not in record anywhere, go into confidential make sure something cannot divulge, not been asked for that, not sure.
10:19:25 AM	Atty McRae Joint Intervenor Note: Sacre, Candace	Gotten into public sessions, most recently with Kentucky Power, but happy go into confidential session.
10:19:49 AM	Chair Hatton Note: Sacre, Candace	Think is safest, will spend least amount of time need to.
10:19:51 AM	Chair Hatton Note: Sacre, Candace	Go into confidential session.
10:19:56 AM	Private Mode Activated	
10:19:56 AM	Private Recording Activated	
10:20:21 AM	Chair Hatton Note: Sacre, Candace	Back in public session.
10:20:23 AM	Normal Mode Activated	
10:20:23 AM	Public Recording Activated	
10:20:30 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Cross Examination (cont'd). Until this 2024 potential study was completed before decided what to include in proposed plan?
10:20:49 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Because it was first step?
10:20:55 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Recall when finalized program details for plan?
10:21:56 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	To review results from potential study?
10:22:00 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	But at that point not finalized DSM plan?
10:22:05 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Remember how long after completion of potential study went through full process?
10:23:31 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Have testimony with you?
10:23:36 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Collaborative meetings, particularly notes in Attachments SD-2 and SD-3, flip to that, Mar 2024 collaborative meeting notes record, this assembled by you?
10:24:30 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Excuse me, would these notes have been taken by you?

10:24:37 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Review notes after meeting?
10:24:42 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Would have made any changes had to notes as part of review?
10:24:56 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	On first March collaborative meeting said immediately called after getting initial results from GDS in February, this been that meeting?
10:25:45 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Let me slow you down, read final section of page 2 of SD 2, did appear was discussion of cost effectiveness?
10:26:00 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Not doing two sets cost effectiveness screening, this just the one DDS cost effectiveness?
10:26:26 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	So you were right?
10:26:32 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Looking at cost effectiveness scoring section, first bullet EKPC preparing DSM portion next IRP, correct?
10:26:45 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Was no mention in notes of plan propose new set programs?
10:27:45 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Also no mention in notes EKPC having determined had need new generation?
10:27:57 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	At this time in March 2024 with Tucker as supervisor, aware EKPC determined had need new generation?
10:28:13 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	But no mention of these notes of a plan propose new supply side generation?
10:28:19 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Flip ahead to when met Apr 11 2024, notes provided in attachment, notes not taken by you?
10:28:41 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Would have reviewed notes after meeting?
10:28:46 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	If had corrections or additions, have made them to notes at time?
10:28:55 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Couple lines down, something front end of meeting not designating speaker, you leading calls, speaker been you?
10:29:25 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Been you setting table at front end of call, likely you advising collaborative take feedback into account as EKPC develops IRP?
10:29:40 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	First step in IRP process?
10:29:52 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Take a minute, bit longer, three pages, ask again, nothing in notes reflect collaborative told new plan being developed?
10:30:35 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Was adjustment of programs after 2022 IRP?
10:30:38 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	There was, what was cause number for that, recall cause number for that?
10:30:44 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	No, sorry, the case number?

10:30:50 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Oh, sorry, can't submit changes DSM plan in IRP?
10:31:12 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Also, to my eyes, not see mention in April collaborative notes EKPC determined had need for new generation?
10:31:27 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Excuse me?
10:31:30 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Would have been fired for disclosing that to collaborative?
10:31:57 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Where in notes see direct discussion avoided cost changes?
10:32:11 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Possible did not advise collaborative avoided costs?
10:32:24 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	But not make addition to notes when reviewed it after meeting?
10:33:24 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Neither meeting notes reviewed after meetings reflects that?
10:33:40 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	What else recall having said but not reflected in notes or added in review of notes?
10:33:52 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	If not recall now what said then?
10:34:06 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	If like to refer back to SD-2, page 1, that reflected in notes discussion happened?
10:34:21 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	First page SD-2, section labeled with underline, Federal IJJA, sub IRA?
10:34:41 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Then at bottom of page, discussion of Inflation Reduction Act?
10:34:56 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	So, possibly, only thing notes not discuss but are making sworn statement that did happen advising cooperative avoided costs changed because need for new generation?
10:35:50 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Go back couple minutes ago, suggested if had disclosed collaborative in March or April 2024, continue proposing new supply side generation, have been fired?
10:36:21 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	But been saying more than should publicly if board not approved action and been saying more than should say publicly if EKPC not completed analysis support decision bring to board?
10:36:48 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Have rebuttal testimony there?
10:37:30 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Familiar with testimony submitted by Dr. Roumpani on behalf Joint Intervenor?
10:37:46 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Rebuttal testimony responded to several responses sponsored by Dr. Roumpani?
10:38:07 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Discuss one area of rebuttal, beginning on page 2 of rebuttal, question beginning at line 9, take moment and reread lines nine to 20?

10:39:29 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Understand answer explain annual demand side management energy efficiency budget limit does not limit end-use member participation?
10:39:55 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	DSM budget does assume certain level of participation?
10:40:04 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Every incremental participant has incremental cost?
10:40:15 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	And every incremental participant yields incremental energy and demand savings?
10:40:28 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Part of how developed demand side management budget was estimating specific levels of participation each program?
10:40:50 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Budget assumes certain level of participation but your view not a problem if high participation causes higher than budget costs?
10:41:25 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Notion not a problem spend beyond budget unique to DSM programs, or is that generally how budgets approached at EKPC?
10:42:21 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Not imagine have copy of Roumpani testimony?
10:43:00 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Recall part of Dr. Roumpani observations and recommendations being EKPC assign budget level support higher participation?
10:43:24 AM	Wireless Presentation Activated	
10:43:28 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Did ask her question about it in EKPC First Request, Item 48?
10:44:35 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Because understand her be offering critique plan not pursuing higher scenario?
10:45:15 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Consider as part of discussion load forecast offered is net of forecasted energy and demand reductions result from DSM plan at proposed budget level?
10:45:34 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	So that budget level may not constrain actual savings achieve, but budget level used determine how many energy and demand savings be realized through DSM plans, right?
10:46:36 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Direct to figures from Dr. Roumpani testimony, up on screen, first, Figure 2, based on data provided to Joint Intervenor by EKPC, graphs created reflect difference of maximum achievable potential, is MAP, M-A-P, and proposed plan, correct?
10:47:14 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Nothing in rebuttal testimony disputed accuracy of graphs or data received from EKPC?
10:47:22 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	So these graphs are accurate?
10:47:34 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Nothing in rebuttal testimony questioned accuracy?
10:47:45 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	As part of job, responsible assessing and responding to Dr. Roumpani testimony?

10:48:18 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Not interested to confirm whether difference between possible energy savings at three levels accurately represented?
10:49:06 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	That's green bar?
10:49:09 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Confident right DSM plan despite fact are much higher amounts savings identified as maximum achievable potential and reasonable achievable potential in 2024 GDS potential study?
10:50:52 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Aware of RAP because asked GDS determine it but not focus when designing plan?
10:51:41 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Asking GDS to perform service-territory specific studies of potential, right?
10:51:53 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Said moment ago problem at winter peak residential homes with heat pumps and inadequate building shell?
10:53:57 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	When say everybody's heat pump operating all time at same time, not the case EKPC knows what specific devices drawing load behind any meter at particular time, right?
10:54:18 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	So speculating?
10:54:20 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Have no data?
10:54:26 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Also have significant portion of customers no heat pump but electric resistance heating?
10:54:35 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Also pose problem if had building, excuse me?
10:55:08 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Understand, as think about two components residential customer's house, what type equipment have and what state building shell, agree is distinction be made between relative efficiency of heating, and building shell side more eliminating waste?
10:56:35 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	If have customer not have strong building shell, heating/air seeps right out of home?
10:56:46 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Waste of energy, why important EKPC focus incentivizing measures get at housing stock issue eliminate waste before worry about heating technology?
10:57:41 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	If had assumed higher level participation and budgets for Button-Up program, would deliver higher proportion energy and demand savings at major peak?
10:58:08 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	No, sir, simpler than that, if took as proposed in plan budget for Button-Up program, assumed based on certain level of participation?
10:58:23 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	If instead assumed and proposed budget higher level of participation, that level of participation returned higher level of savings at winter peak?

10:58:48 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Takes work make people participate, right?
10:58:54 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	People have to be aware of program?
10:59:05 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Correlation between how much work happening and owner/member coops push participation and how much realized?
11:00:18 AM	Wireless Presentation Deactivated	
11:00:25 AM	Chair Hatton	
	Note: Sacre, Candace	Almost done or close to stopping point?
11:01:00 AM	Chair Hatton	
	Note: Sacre, Candace	Take 15 minutes.
11:01:08 AM	Session Paused	
11:17:52 AM	Session Resumed	
11:17:54 AM	Chair Hatton	
	Note: Sacre, Candace	Please proceed.
11:18:00 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Cross Examination (cont'd). Ask you look back again at SD-2, have that?
11:18:22 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Mentioned before internal experts for demand side management and efficiency programs, in collaborative meetings participation from people at Mountain Association?
11:18:44 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Reflects in March Carrie Ray, Chris Woolery, and Josh Bills participated in that meeting?
11:18:53 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	I'm sorry, also Hope Broecker?
11:18:55 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Familiar each of these individuals?
11:18:59 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Talk with them some regularity?
11:19:06 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Known them for some years?
11:19:11 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Familiar with work does with folks in service territory?
11:19:25 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Understanding have employees are going into homes of end-use customers and helping with energy saving needs?
11:19:38 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Consider have expertise on who end-use members are?
11:20:00 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	At the collaborative, and nothing offered at collaborative caused to question whether understand demand side management and energy efficiency programs?
11:20:20 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	At Mountain Association, do direct energy audits of customers?
11:20:27 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Is testimony think every member of public knows how do energy audit?
11:20:43 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Average member of public never heard of blower door test?
11:20:49 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Chris Woolery knows what blower door test is?

11:21:01 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Chris Woolery performs blower door tests?
11:21:09 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Would assume not only person at Mountain Association who knows how to perform test?
11:21:17 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Make sure clear, describe what involved in blower door test?
11:21:48 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Mountain Association partnered with owner/member coops develop novel inclusive utility investment program, aware of that?
11:22:07 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Average member of public not capable of helping develop, design, or implement DSM program?
11:22:13 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Mountain Association was partner to owner distribution members in developing and implementing program?
11:22:21 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Like to revise statement think Mountain Association has no more experience with DSM than average member of public?
11:22:51 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Have said anything to impugn experience of staff?
11:23:09 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Be true at same time other people have considerable expertise in role as well?
11:23:16 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Mountain Association entity has considerable experience development and implementation demand side management in Eastern Kentucky?
11:23:39 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Did just speak about inclusive utility program helped develop with certain of owner/member coops?
11:23:59 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Not just capable designing DSM program, capable of designing rate mechanism offer novel way recover costs of DSM?
11:24:18 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Financial mechanism tied into specific measures, specific activities be done at end-use customer house through DSM program?
11:24:33 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Has incredibly close and inextricable nexus with actual implementation of demand side management measures at house?
11:24:43 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	About cost recovery?
11:24:45 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Same measures?
11:24:50 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Mountain Association did work with certain of own member coops to develop and implement rate program inextricably connected with implementing DSM programs?
11:25:26 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Community assistance resources for energy savings program, known as CARES program, familiar with that?
11:25:44 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Familiar with tariff for program?

11:25:47 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	CARES supplements weatherization and energy efficiency services provided by community action agencies with funding from DOE weatherization assistance program?
11:26:06 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Who are subgrantees state's grant award under DOE weatherization assistance program?
11:26:20 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Anybody get money from DOE weatherization assistance program if are not grantee?
11:26:37 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Look at tariff sheets, red lines in Attachment SD-11?
11:27:29 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	For folks following along, top right-hand corner, header reading PSC No. 3-5, First Second Revised Sheet No. 84, canceling PS Sheet No. 25, Original First Revised Sheet No. 84, looking at same thing?
11:28:00 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	DSM-10 with header says community assistance resources for energy savings program?
11:28:10 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Begins with statement of purpose, and below that see availability?
11:28:18 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	For availability, says, reading, accurate?
11:28:56 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	If also implementing CARES with housing associations, should be reflected in tariff?
11:29:18 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Not say those activities have nexus with weatherization assistance program?
11:29:26 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Weatherization assistance program administered by community action agencies?
11:29:36 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Holding yourself out today as expert in demand side management and energy efficiency?
11:29:48 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	And level of familiarity with weatherization assistance project not allow say whether community action agencies are grantees under federal program?
11:30:03 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Need more experience than able offer answer that question?
11:30:12 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Ever read Kentucky grant application for DOE weatherization assistance funding?
11:30:27 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Ever read any of filings required of community action agencies report on activities under weatherization assistance program?
11:31:11 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Review those?
11:31:25 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Based on expertise, what are authorized funding levels health and safety measures under program grant?
11:31:44 AM	Atty McRae Joint Intervenor - witness Drake Note: Sacre, Candace	Have any idea?

11:31:52 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Asking about weatherization assistance project?
11:31:59 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Not familiar what weatherization assistance project is?
11:32:10 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Program provides supplemental funding braid with community agency's actions weatherization assistance program and do not know details of communication action agency's program?
11:32:27 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Did confirm CARES not allow budget go to health and safety measures, correct?
11:32:37 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Refer to next page of tariff, look to bottom of page?
11:32:49 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Give confirmation looking for?
11:32:52 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Now know your program certainly not fund health and safety measures?
11:33:03 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	And do not know whether weatherization assistance program not allow any health and safety dollars or maybe allows some?
11:33:22 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Think it does not?
11:33:30 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Have conversations with community action agencies about how often walk away from weatherizing income qualified home?
11:33:46 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	What report to you about?
11:33:48 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Is frequent?
11:33:52 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Means are folks in territory are income qualified but cannot receive services?
11:34:02 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Understand enough about weatherization assistance to know if were able qualify program designed to pay 100 percent of expenses for building improvements available?
11:34:17 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Don't know?
11:34:27 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	If health and safety dollars available, reduce number income qualified customers unable to receive community agency action assistance with weatherization?
11:34:43 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	If health and safety money available, reduce number qualified customers who cannot be served?
11:35:04 AM	Atty McRae Joint Intervenor - witness Drake	
	Note: Sacre, Candace	Let me submit to you, DOE weatherization assistance program provide certain level health and safety funding, have awareness whether program allow supplemental funds from another source?
11:35:27 AM	Atty Temple EKPC	
	Note: Sacre, Candace	Drake testified not have much knowledge of program, McRae testifying about what program entails without support in record.

11:35:40 AM	Atty McRae Joint Intervenor Note: Sacre, Candace	Did offer fact to Drake assume be true, but question about if true relate to program, also think relevant to limits of this witness's knowledge of EKPC's own programs.
11:36:17 AM	Chair Hatton Note: Sacre, Candace	What getting at besides testing his knowledge?
11:36:25 AM	Atty McRae Joint Intervenor Note: Sacre, Candace	Health and safety money needed, not have sense how much available to community action agencies, not supplementing that in any way.
11:36:39 AM	Chair Hatton Note: Sacre, Candace	Sounds like something for brief maybe?
11:36:41 AM	Atty McRae Joint Intervenor Note: Sacre, Candace	Fair enough.
11:36:43 AM	Atty McRae Joint Intervenor Note: Sacre, Candace	No further questions.
11:36:46 AM	Chair Hatton Note: Sacre, Candace	Staff?
11:36:50 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Cross Examination. Go back and pick up few things talked about addressing other's questions, believe when West asked about EKPC ability to meet 35 percent sustainability plan, mentioned co-firing of Cooper and Smith, did you mean Spurlock?
11:37:20 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mentioned in designing DSM proposal and deciding to propose certain programs, certainty of tax credits were words used, bases for choices, sure have heard some uncertainty related to tax programs and credits, talk about what EKPC anticipates impact on DSM programs?
11:38:16 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Touched on fact study filed this case, there was study filed with IRP, appears same study prepared more for IRP, correct?
11:39:04 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Think in part relate to fact included all proposed projects?
11:39:10 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	In the study?
11:39:16 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Know McRae asked about budgeting and how got to budget numbers, like to start with mentioned going over budget, what take into consideration for budget, what goes into deciding this going to be budget for set of years?
11:40:29 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Think she mentioned and maybe way said it, not have concern going over budget, put in context DSM programs for five-year period explain why not issue?
11:41:35 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Know each separate member coop select DSM program like to offer, as post-hearing data request get list of each member cooperative and current offerings for DSM, easier do that.
11:41:36 AM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	ASST GEN COUNSEL TUSSEY PSC - WITNESS DRAKE LIST OF EACH MEMBER COOPERATIVE AND CURRENT OFFERINGS FOR DSM

11:41:58 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Know offer covering of costs, that type thing, any additional items think do to incentivize coops to participate and offer more programs?
11:43:07 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Know changed some of those for proposals in this case, Attachment SD-11, red-lined tariffs, to application this case?
11:43:32 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Sheet 62, last line eligibility paragraph before bullets, is that just a typo?
11:43:59 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Is Button-Up weatherization?
11:44:02 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	There's three bullet points and then a paragraph under eligibility and more bullet points, see that?
11:44:13 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Says is EKPC-approved contractor owner/member representative must, assume should be perform?
11:44:28 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	In same tariff, appears is section based on first paragraph where total payment to owner/member be \$795 in tariff?
11:44:55 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	\$795?
11:45:00 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Yes, down in eligibility, PDF page 590, in heat pump program, sorry.
11:45:27 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Think is heat pump one.
11:45:34 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Yes, is conflict in payment, no, wait on Button-Up weatherization program, sorry, down there with payments?
11:45:45 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	If add up, looks like owner/member be \$795 one paragraph and \$750 in other paragraph but are two separate programs?
11:46:00 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Think say EKPC pay total transfer payment of \$750 for Button-Up weatherization but then a maximum given does not match, yes?
11:46:31 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Could be added together?
11:46:39 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Yeah, it's not in the tariff, so on tariff page 66, which program is that?
11:47:00 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	That is heat pump retrofit program, and in this one, if look at tariff prior, appears all revisions in 62 eliminate the word retail?
11:47:18 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	I have pages wrong, is actually in CARES tariff, added back in the word retail on all of the wordings, reason eliminate it from all other tariffs and add it back in on CARES tariff?
11:47:47 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	So not a significance to losing it in the CARES one?
11:48:20 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Then on the tariff that involves, section is heat pump eligible homes and believe also CARES tariff?

11:48:38 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	On that one, there are two numbers, make sure understanding red line, the first number associated with CAA, then second number associated with the AHO organizations?
11:49:43 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	On that same tariff on the next page, now is a new heading lost revenue and administrative cost?
11:50:22 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	So, if owner/member has somebody who ineligible, will get \$100 for administrative costs and \$50 for lost margins?
11:50:48 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Backup generator program, just generally, know is mention in study of that, the generator would be remote controlled by EKPC, talk a little about how accomplish that?
11:51:41 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Have any separate contract be entered into with participating customer in that program?
11:52:00 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Would it contain provisions when EKPC might need operate remotely?
11:52:09 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Give a hypothetical when might need to?
11:53:30 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Possible expand program to commercial and industrial customers, or have considered it?
11:54:39 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mentioned how would incentivize the neighbor coops, and McRae asked questions about informing general customer options like heat pump program, EKPC plan to share knowledge several programs at one time or instructed customer service focus on biggest issue for customer?
11:55:55 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Would that involve discussion about tax incentives or decide not mention those?
11:56:20 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mention might be possibility and that should go seek advice?
11:56:44 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mentioned in response chose programs felt most useful to customers in rural Kentucky?
11:56:57 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	And mentioned sometimes might not be most well-built homes?
11:57:04 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Elaborate about how landed on these seven as most needed or most useful besides construction issues?
11:59:18 AM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mentioned the pilot phase, have utilities the pilot phase lasted 20 years and then those last a year, what does pilot phase mean to EKPC?
12:00:08 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	As to programs proposed, intent leave as proposed pending Commission approval for three years or until next IRP then?

12:01:33 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Mentioned in direct 2023 expenditures existing DSM programs approximately \$3.4 million and forecasted for first 12 months operation as proposed be about \$7.8 million, view this as reasonable increase?
12:02:08 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Explain why considering asking for more than billion-dollar project in generation?
12:02:58 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	McCrae asked several questions about Dr. Roumpani testimony, reviewed it, on pages 59 through 61, lists several changes and enhancements proposed programs, in rebuttal responded generally?
12:03:32 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Questions about timeline suggestions, like within six months provide updated DSM plan, other one in 12 months provide updated potential study, explain whether reasonable suggestions?
12:04:24 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Feel six months is enough time to determine additional achievable DSM programs?
12:04:42 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	How long normally take when review proposed programs in GDS study?
12:05:45 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Also suggestion from Dr. Roumpani to increase DSM budget by \$11.4 million, could EKPC do this?
12:06:25 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Think overall recommendation was that Commission should approve planned program as proposed in application, assume agree with that overarching recommendation?
12:06:46 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Based on generally her testimony EKPC consider expanding DSM plan and increasing level of reduced energy and demand?
12:07:37 PM	Asst Gen Counsel Tussey PSC - witness Drake Note: Sacre, Candace	Definitely mentioned winter peak and Winter Storm Elliott and lessons learned from that, feel like this plan addresses summer peak?
12:08:14 PM	Asst Gen Counsel Tussey PSC Note: Sacre, Candace	All I have.
12:08:17 PM	Chair Hatton Note: Sacre, Candace	Commissioner Regan?
12:08:19 PM	Commissioner Regan - witness Drake Note: Sacre, Candace	Examination. One quick question and looking at page 6 of testimony talks about TRC test?
12:08:31 PM	Commissioner Regan - witness Drake Note: Sacre, Candace	And using TRC test is from California standards test?
12:08:38 PM	Commissioner Regan - witness Drake Note: Sacre, Candace	Is that only one there is?
12:10:40 PM	Commissioner Regan - witness Drake Note: Sacre, Candace	Because part of California test, question is, is it similarly situated as the rural Kentucky test using the California standards?
12:10:58 PM	Commissioner Regan - witness Drake Note: Sacre, Candace	Are using California's standard test?
12:11:40 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Examination. Know in past PSC has ordered collaborative meetings take place, the case for EKPC?

12:11:48 PM	Chair Hatton - witness Drake Note: Sacre, Candace	It's not ordered?
12:11:50 PM	Chair Hatton - witness Drake Note: Sacre, Candace	How identify who be part of group?
12:13:18 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Office of Energy Policy?
12:13:41 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Curious because a lot of new groups emerged last few years, talking about housing and affordability?
12:13:50 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Also talk to owner/members, who are individuals representing owner/members on collaborative?
12:14:22 PM	Chair Hatton - witness Drake Note: Sacre, Candace	All EKPC employees, or some just homeowners?
12:14:58 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Witness Roumpani recommended budget increase, is it \$11.4 million total or is amount of increase?
12:15:11 PM	Chair Hatton - witness Drake Note: Sacre, Candace	What is current budget?
12:15:18 PM	Chair Hatton - witness Drake Note: Sacre, Candace	And proposed?
12:15:22 PM	Chair Hatton - witness Drake Note: Sacre, Candace	So not increasing?
12:15:42 PM	Chair Hatton - witness Drake Note: Sacre, Candace	In response to question, said could increase budget but that not guarantee get spent or people participate, at current budget is there money being left on table, are people not participating to that level?
12:16:19 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Did talk about when a little over budget, after couple of years being over budget, thinking should expand?
12:16:30 PM	Chair Hatton - witness Drake Note: Sacre, Candace	And are expanding by little over double?
12:16:37 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Assuming all approved?
12:16:44 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Know have thought it through, but everywhere go, at various industry conferences, talking about customer affordability, definitely in service territory, how gauge if this enough?
12:16:45 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Have reason think, know have thought it through, but everywhere I go, talking about customer affordability and is on every agenda everywhere, how gauge whether this is enough?
12:17:34 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Looking carefully at how effectively able get word out about programs plays into how much money spent?
12:17:34 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Looking carefully how effectively able get word out about programs plays into money spent?
12:17:59 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Maybe not as big an issue for a coop as it is for investor owned, but sometimes investor owned who have incentive sell more energy have been suspicions not advertise very well?

12:18:02 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Maybe not as big issue for coop as it is for investor owned, but investor/owner incentive sell more energy and suspicions not advertise well?
12:18:17 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Curious if think have a good enough plan in place to let people know what incentives are put Facebook ad out, what are plans for making sure customers know?
12:19:35 PM	Chair Hatton - witness Drake Note: Sacre, Candace	Something been able measure through years, people reading it and worth money?
12:20:33 PM	Chair Hatton Note: Sacre, Candace	Redirect?
12:20:49 PM	Chair Hatton Note: Sacre, Candace	Follow up?
12:20:52 PM	Chair Hatton Note: Sacre, Candace	Lunch, an hour, 1:20.
12:21:11 PM	Session Paused	
1:26:45 PM	Chair Hatton Note: Sacre, Candace	On record in Case No. 2024-00370.
1:26:47 PM	Session Resumed	
1:26:53 PM	Camera Lock Deactivated	
1:26:54 PM	Chair Hatton Note: Sacre, Candace	Counsel, may proceed.
1:26:57 PM	Atty Honaker EKPC Note: Sacre, Candace	Denise Foster Cronin.
1:27:02 PM	Chair Hatton Note: Sacre, Candace	Witness is sworn.
1:27:09 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	Direct Examination. Name and business address?
1:27:19 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	And what is name?
1:27:22 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	Cause responses be filed?
1:27:27 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	Additions or corrections?
1:28:17 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	Any other additions or corrections?
1:28:21 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	If ask same questions, responses be same?
1:28:25 PM	Atty Honaker EKPC - witness Cronin Note: Sacre, Candace	Intent incorporate into record?
1:28:28 PM	Atty Honaker EKPC Note: Sacre, Candace	Available for cross.
1:28:30 PM	Chair Hatton Note: Sacre, Candace	Mr. West?
1:28:33 PM	Asst Atty General West - witness Cronin Note: Sacre, Candace	Cross Examination. In role, routinely monitor PJM filings and documents and correspondence they issue, correct?
1:28:51 PM	Asst Atty General West - witness Cronin Note: Sacre, Candace	Regard what just referenced, familiar with correspondence relation to MATS rule to President?

1:29:07 PM	Asst Atty General West - witness Cronin Note: Sacre, Candace	Letter provided to Purvis, and he recommended address questions to you, reviewed that document before, want to verify accuracy?
1:29:25 PM	Asst Atty General West - witness Cronin Note: Sacre, Candace	To best of knowledge, accurate copy?
1:29:29 PM	Asst Atty General West Note: Sacre, Candace	Ask introduced as AG Exhibit 2.
1:29:32 PM	Chair Hatton Note: Sacre, Candace	You got it.
1:29:33 PM	AG HEARING EXHIBIT 2 Note: Sacre, Candace Note: Sacre, Candace	ASST ATTY GENERAL WEST - WITNESS CRONIN LETTER DATED APRIL 4 2025 TO THE WHITE HOUSE REGARDING GENERATING UNIT EXEMPTIONS IN PJM REGION
1:29:34 PM	Asst Atty General West Note: Sacre, Candace	That's it.
1:29:36 PM	Chair Hatton Note: Sacre, Candace	Mr. Kurtz?
1:29:40 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Cross Examination. Are a lawyer?
1:29:42 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Used to work at PJM?
1:29:45 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Were on team transitioning East Kentucky into PJM Jun 1 2013?
1:29:53 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Apparently impressed management enough hired you away, want to ask aware PJM warning about potential capacity shortfalls in PJM?
1:30:47 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Why doesn't PJM order new generation be built?
1:30:55 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Explain?
1:31:25 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Aware under Kentucky law utilities obligation provide adequate service which means adequate capacity?
1:31:35 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	If unit announces wants retire, PJM can offer reliability must-run agreement, give money to plant owner keep them open, correct?
1:31:56 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Generation owner not required accept RMR agreement?
1:32:03 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	PJM primary tool for new generation price signals?
1:32:36 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Is good distinction, just until transmission fix be made?
1:32:44 PM	Chair Hatton - witness Cronin Note: Sacre, Candace	Examination. Is there time limit, or is there how long could ask, or is it always an ask and never demand?
1:34:01 PM	Chair Hatton Note: Sacre, Candace	Sorry, Mr. Kurtz.
1:34:04 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Cross Examination (cont'd). Correct PJM primary tool incentivizing new generation be built is price signals?
1:34:13 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Means higher capacity prices and/or higher energy prices?

1:34:19 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Does that make EKPC hedging strategy for winter energy and summer capacity even more important face of rising
1:34:45 PM	Atty Kurtz Nucor - witness Cronin Note: Sacre, Candace	Under state law, utilities have requirement provide adequate service, sufficient capacity, understanding Commission should not rely on, cannot rely on PJM for adequacy of service?
1:35:57 PM	Atty Kurtz Nucor Note: Sacre, Candace	Thank you.
1:35:59 PM	Chair Hatton Note: Sacre, Candace	Mr. Gary?
1:36:05 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Cross Examination. Follow up on something just stated, deficiencies mentioned, referring to performance assessment intervals?
1:36:30 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Another separate?
1:36:34 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	But PJM assess performance assessment intervals as well?
1:36:58 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Rewards or bonuses, not on annual basis?
1:37:07 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Are assessed on unit-by-unit basis, not like system as whole not perform, is Smith or Cooper or Spurlock?
1:37:37 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	For PAIs, are penalties for units underperform, can also be bonuses for units that overperform, right?
1:38:06 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	During PAI, if is penalty for some units, gets distributed to other units did perform?
1:38:20 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	In same event, some units on EKPC system be assessed penalties and others could be paid, one hand be paying other, right?
1:38:33 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Has EKPC received PAI bonuses in recent years?
1:38:41 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Assume track on annual basis or some basis both PAI bonuses and penalties EKPC assessed?
1:38:56 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	If requested amounts, could state?
1:39:03 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	If requested as post-hearing data request, be able provide?
1:39:08 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Understanding EKPC carries insurance protect against those?
1:39:19 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Sorry, yes, to offset some of those costs, and if asked about payments from insurance, be able provide those?
1:39:37 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Something else talked about, PJM reliability resource initiative, familiar with that, the RRI, heard ask Mosier yesterday?
1:39:52 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	And he deferred some questions to you, both the proposed Cooper CCGT and proposed Liberty RICE offered in RRI application process, right?
1:40:07 PM	Atty Gary Joint Intervenors - witness Cronin Note: Sacre, Candace	Know if application fee for that?

1:40:14 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Say how much fees were?
1:40:19 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	If requested post hearing, could provide those fees?
1:40:20 PM	POST-HEARING DATA REQUEST	
	Note: Sacre, Candace	ATTY GARY JOINT INTERVENORS - WITNESS CRONIN
	Note: Sacre, Candace	AMOUNT OF FEES RRI APPLICATION COOPER CCGT AND LIBERTY RICE UNITS
1:40:26 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Sorry, going to say something?
1:40:36 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Both Liberty and Cooper projects been offered into PJM interconnection queue already?
1:40:44 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Paid application fees for that?
1:40:48 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	And an additional fee for the RRI application?
1:40:57 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Asked Mosier, believe somewhat uncertain if received notice intent to deactivate Cooper save \$50 million transmission costs, recall?
1:41:11 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	EKPC receive notice that effect, in writing?
1:42:35 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Not specific notice Cooper, was change how PJM does things generally?
1:42:50 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Think saying change applies in general now?
1:43:29 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Only because submitted these projects notification required be sooner?
1:43:36 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Occurred because of change how PJM evaluates process?
1:43:49 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Update status RRI applications?
1:44:11 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Somewhere stated end of April expectation, still expectation?
1:44:48 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Notice submitted because way PJM evaluates, evaluating RRI application and move on evaluating Cooper CCGT, either scenario only evaluating Cooper 2 and CCGT?
1:45:07 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Sounds like said withdrawing Cooper 1 through deactivation notice, PJM will study?
1:45:53 PM	Atty Gary Joint Intervenor - witness Cronin	
	Note: Sacre, Candace	Cooper 1 no longer part of study?
1:47:17 PM	Chair Hatton	
	Note: Sacre, Candace	Staff?
1:47:22 PM	Staff Atty Saffari PSC - witness Cronin	
	Note: Sacre, Candace	Cross Examination. RRI projections and applications, transmission projects go along with those?
1:48:02 PM	Chair Hatton	
	Note: Sacre, Candace	Questions?
1:48:13 PM	Chair Hatton	
	Note: Sacre, Candace	Call next witness.

1:48:15 PM	Atty Honaker EKPC Note: Sacre, Candace	Julia Tucker.
1:48:24 PM	Chair Hatton Note: Sacre, Candace	Witness is sworn.
1:48:36 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Direct Examination. Name and business address?
1:48:50 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Cause direct, rebuttal, and responses be filed?
1:48:56 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Additions or corrections?
1:49:00 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	If ask same questions, responses be same?
1:49:05 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Intent incorporate into record?
1:49:10 PM	Chair Hatton Note: Sacre, Candace	Mr. West?
1:49:16 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Cross Examination. Power supply PJM, what understanding?
1:50:29 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Talk about changing position on reserve margin?
1:56:04 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Risk relying on PJM not own generating resources?
1:56:47 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Comfortable reserve, sell excess capacity and energy?
1:57:22 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Delta there accrue benefit owner/members?
1:57:31 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Market more constrained, make resources more valuable?
1:58:55 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	When dispatched, owner/members benefiting?
1:59:01 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Hear questioning Drake 35 percent emission goals?
1:59:17 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Modeling progress towards goals, have data?
2:00:04 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Assuming CPCNs granted, how impact emissions profile?
2:00:39 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Docket requests not enough, need 320 megawatts solar?
2:01:05 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Response, Staff Second, Request 2, New ERA CPCNs, give update?
2:02:28 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Four solar facilities, that not move forward on or something else?
2:02:47 PM	Asst Atty General West - witness Tucker Note: Sacre, Candace	Anything say about whether New ERA funding in jeopardy?
2:03:46 PM	Chair Hatton Note: Sacre, Candace	Mr. Kurtz?
2:03:50 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Cross Examination. Post-hearing data request projected rate impact, provide?
2:04:41 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	EKPC uses 200 megawatts interruptible meet PJM obligation?
2:04:52 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Monetize interruptible load by capacity obligation?

2:05:05 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Ability call economic interruptions, form of energy hedge?
2:05:26 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Valuable thing?
2:05:30 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Elliott, Nucor called interrupt?
2:05:39 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Below service level, provided more than required?
2:05:54 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Load and forecast, confusion area, have chart, explain?
2:06:23 PM	Camera Lock Witness Activated	
2:06:39 PM	Camera Lock Deactivated	
2:06:55 PM	Camera Lock Commissioner Activated	
2:09:17 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	PJM rules defining, under law obligation provide service all?
2:09:23 PM	Camera Lock Deactivated	
2:09:31 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Way process case?
2:09:34 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Discrepancy PJM forecast and case, your forecast correct?
2:10:21 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	LG&E not serving your customers?
2:10:25 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If not do it, no one will?
2:10:28 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	No data center load in forecast?
2:10:37 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Update on data center tariff file conceptually?
2:11:00 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Not in PJM 12 percent margin, joined and reserve to zero?
2:11:20 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Now went seven percent reserve margin summer and winter?
2:11:31 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	In winter, hedging for energy?
2:11:36 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	In summer, seven percent financial hedging capacity obligation?
2:11:42 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Short capacity, buy capacity high prices, what trying avoid?
2:11:51 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Price signals more generation, greater risk?
2:13:10 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Exhibit marked as Nucor 4, recognize your Exhibit 5?
2:14:00 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Calculation energy savings each of projects seeking CPCN?
2:14:13 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Cooper CCGT, \$1.116 billion savings 2020-2039?
2:14:34 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Assume energy price forecast from ACES?
2:14:38 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	What is ACES?
2:15:08 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Coops across country use ACES?
2:15:12 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Use ACES regular course of business?

2:15:20 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Cooper combined cycle 2030, cost \$1.317 billion, accurate?
2:15:33 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	First ten years save \$1.1 billion of \$1.3 billion cost?
2:15:48 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Cooper 2 Co-fire, 1969, cost \$73.8 million, 11 years \$117 million?
2:16:10 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Project pay for itself?
2:16:16 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Aware Kentucky Power co-fire Big Sandy 1 to natural gas?
2:16:28 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	1963 unit, projecting run through 2041?
2:16:38 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	When convert to gas, less moving parts?
2:16:44 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Boiler, turbine, generator?
2:16:54 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Spurlock 50 percent co-firing, \$54 million cost, savings \$169 million?
2:17:09 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Three times cost over period?
2:17:15 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Spurlock 2, \$52 million, projecting save \$304 million energy?
2:17:31 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Generating energy, projection \$304 million savings?
2:17:38 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Spurlock 3, \$42 million project, savings of \$138 million?
2:17:47 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Circulating fluidized bed unit?
2:17:52 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Spurlock 4, \$39 million cost, projecting \$134 savings?
2:18:06 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Own generation and projects, used ACES projection?
2:18:15 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	How forecast own fuel costs?
2:18:31 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Are projections use to run business?
2:18:39 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	General budgeting and so forth?
2:18:48 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Exhibit Nucor 5, preliminary assumptions calculations, seen before?
2:19:59 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	In 2030, get 83 percent capacity value projected?
2:20:05 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Then 85 percent, 85 percent, 84 percent, and 82 percent, correct?
2:20:16 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Response, Joint Intervenors, provided ACES forecast on second page?
2:20:40 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Did math correctly, PJM planning year '30-31, 745 megawatts?
2:21:00 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	ELCC 83 percent, ACES capacity value \$4 per megawatt day?
2:21:14 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Times 365 days, be \$91.1 million capacity benefit?

2:21:23 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Math used on response?
2:21:30 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	ELCC from 83 to 85 percent?
2:21:39 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	ACES projected capacity value \$404 to \$420, capacity value \$97 million?
2:21:52 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	\$101 million, \$107 million, \$111 million, \$100 million capacity value, combined cycle?
2:22:04 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Capacity value owning generation versus buying market?
2:22:13 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Five years, capacity value pay more than third of combined cycle?
2:22:26 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Capacity values capture addition to energy savings prior sheet?
2:22:34 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	That's all?
2:22:42 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	For each three major projects, read highlights, tell me if disagree, stop me, do that?
2:23:33 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Learned from Mosier coop no incentive build rate base?
2:23:46 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	East Kentucky board advised combined cycle, voted approved?
2:24:05 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Combined cycle provided voltage support?
2:24:14 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Combined cycle financed low-cost government debt?
2:24:20 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Get high ELCC capacity rating provide hedge instead of buying?
2:24:31 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	State-of-the-art facility 6500 heat rate low-cost energy provide hedge?
2:24:49 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Fuel savings run through fuel adjustment clause?
2:24:55 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	\$150 million of \$1.317 billion for contingencies?
2:25:05 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Delay building project be 30 percent increase pricing?
2:25:18 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	72 hours backup fuel storage in case gas from pipeline not available?
2:25:30 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Provide added reliability for consumers?
2:25:34 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Higher ELCC rating?
2:25:37 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Dual-fuel unit?
2:25:40 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Two-by-one combined cycle design allow one turbine run facility?
2:25:57 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Applied RRI application status go front of line PJM queue?

2:26:09 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Three manufacturers combined cycles worldwide, able get spot?
2:26:25 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Forecast not include data center but include all load Kentucky?
2:26:36 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Provide \$1.1 billion energy savings first ten years?
2:26:42 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Provide capacity value \$100 million per year?
2:26:50 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If greenhouse gas rule affirmed, run at 40 percent capacity factor?
2:26:59 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If GHG rule vacated, run baseload unit whenever economic?
2:27:08 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Anything left out combined cycle?
2:29:21 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	\$50 million transmission savings get injection rights?
2:29:30 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Cooper 2, \$73.8 million cost, \$117 million energy savings?
2:29:48 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Finance with low-cost federal funding?
2:30:05 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Idea what netbook value of plant is or will be?
2:30:17 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Also received unanimous board approval?
2:30:22 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Will have high ELCC rating yield high capacity value?
2:30:32 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Be served from gas pipeline built to serve combined cycle?
2:30:37 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Same discussion getting in line for pipeline apply to this one?
2:30:44 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If back of line, lose combined cycle gas as well as Cooper co-firing gas?
2:30:55 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If ELG rule survives, existing gas unit with no capacity factor limit?
2:31:14 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If greenhouse rule vacated, still have energy hedge?
2:31:27 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	This unit high coal cost supply because central Appalachian?
2:31:45 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Spurlock 50 percent co-fire received unanimous board approval?
2:32:15 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Energy savings be higher?
2:32:18 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	50 percent gas versus 40 percent capacity factor?
2:32:24 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	40 versus 50 percent co-firing?
2:32:33 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Four Spurlock units \$187 million capital cost, \$745 million?
2:32:48 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	High ELCC rating for high capacity value in PJM?
2:32:53 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	O&M savings from running on gas?

2:33:04 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Technology co-firing on two fluidized bed units certified by Burns & McDonnell?
2:33:16 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If greenhouse gas rule survives, seven more years out of Spurlock?
2:33:34 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	If greenhouse rule vacated, have hedge?
2:33:44 PM	Atty Kurtz Nucor - witness Tucker Note: Sacre, Candace	Anything add to list?
2:34:11 PM	Chair Hatton Note: Sacre, Candace	Joint Intervenors?
2:34:15 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Cross Examination. Exhibit Nucor 5, capacity market values not projected used?
2:35:40 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Numbers relied on, prices up and down?
2:35:57 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Market, supply up prices down?
2:36:12 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Forecast ACES prices straight up?
2:36:23 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Aware PJM pressure high capacity prices, cap?
2:36:43 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Aware FERC approved cap?
2:36:47 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	High \$325 per megawatt day?
2:36:57 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Low of \$175?
2:37:01 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	\$325 below capacity prices provided?
2:37:19 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Change calculations Kurtz offered?
2:37:36 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	At prices lower than projected?
2:38:00 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	More political pressure cap prices?
2:38:20 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Agreed Spurlock certified?
2:38:50 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	In writing from Burns & McDonnell?
2:38:58 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Just what heard?
2:39:09 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Not offering anything beyond discussed?
2:39:23 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Rebuttal, focused on testimony Stanton?
2:40:10 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Not demonstrate understanding load forecast?
2:40:20 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Explanation, reading, incorrect statement?
2:40:38 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Explain object Stanton referring to demand?
2:40:57 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Stanton refers annual demand projections?

2:41:12 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Opinion improper use demand talking energy?
2:41:23 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Demand only refer what?
2:42:03 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Demand is capacity?
2:42:13 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	What refer to, just energy?
2:42:17 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Amount, not say energy?
2:42:25 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Support, definition NERC?
2:42:36 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Definition, quoted testimony, reading, correct?
2:43:05 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	NERC about energy, correct?
2:43:19 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Correct rate of energy?
2:43:25 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Definition talks being averaged?
2:43:42 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rate of energy over interval?
2:44:12 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	PJM have understanding terminology?
2:44:34 PM	Wireless Presentation Activated	
2:44:38 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	PJM website, familiar?
2:44:43 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Aware glossary?
2:44:46 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Visited glossary?
2:44:52 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	D, PJM defines as, reading, correct?
2:45:11 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Stanton used refer kilowatt/megawatt?
2:45:36 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	But expressed kilowatt/megawatt hours PJM?
2:45:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	State, reading, see that?
2:45:56 PM	Wireless Presentation Deactivated	
2:46:13 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Stanton testimony discusses both?
2:46:24 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not ignore peaks?
2:46:31 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rebuttal, large customers loads?
2:47:01 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Referring to large commercial customers system?
2:47:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Issue how forecast loads?
2:47:22 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Sentence says, reading, see that?
2:47:37 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Stanton ignoring changes to class?

2:48:03 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not should ignore known changes?
2:48:55 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Reviewed Stanton responses?
2:49:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Responses Staff requests?
2:49:24 PM	Wireless Presentation Activated	
2:49:28 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Request from Staff, how EKPC forecasted?
2:50:24 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Seen before?
2:50:32 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Stanton explains forecast, reading, see that?
2:50:57 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Second paragraph, concern, reading, correct?
2:51:13 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Explanation exclude known large customer load?
2:51:46 PM	Wireless Presentation Deactivated	
2:51:48 PM	Camera Lock Commissioner Activated	
2:53:02 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	EKPC developed preliminary load forecast?
2:53:08 PM	Wireless Presentation Activated	
2:53:10 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Revised mutual agreement?
2:53:23 PM	Wireless Presentation Deactivated	
2:53:29 PM	Camera Lock Deactivated	
2:54:00 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	When discussion happen?
2:54:13 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Preliminary forecast developed?
2:54:25 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Sent to member, discussion revisions?
2:54:37 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not recall when?
2:54:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Response JI 2-22, revisions to forecast?
2:55:43 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Response is, reading, correct?
2:55:55 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Claimed confidential?
2:56:12 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Refers back to Response JI 1-31, correct?
2:57:14 PM	Wireless Presentation Activated	
2:57:43 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Again asked for documentation?
2:57:52 PM	Wireless Presentation Deactivated	
2:58:01 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Again told confidential?
2:58:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Twice asked, nothing provided?
2:58:14 PM	Atty Honaker EKPC	
	Note: Sacre, Candace	Object,
2:58:54 PM	Chair Hatton	
	Note: Sacre, Candace	Allow her to confirm.

2:59:28 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Cross Examination (cont'd). Provided in rebuttal?
2:59:36 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Opaque to Stanton?
3:00:16 PM	Chair Hatton	
	Note: Sacre, Candace	Recess.
3:00:25 PM	Session Paused	
3:11:46 PM	Session Resumed	
3:11:48 PM	Chair Hatton	
	Note: Sacre, Candace	Back on record.
3:11:56 PM	Chair Hatton	
	Note: Sacre, Candace	Still in cross.
3:12:03 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Cross Examination (cont'd). Load forecast, revisions through 2029?
3:12:45 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	First six years forecast?
3:12:55 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Forecast for 2024?
3:13:05 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Between five and six years?
3:13:14 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Attachment, Response JI 1-30, what is?
3:13:45 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Page nine, sales model, see?
3:14:07 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Method making projections?
3:14:23 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Short term owner/member information?
3:14:30 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Long term, regression analysis?
3:14:38 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Forecast new consumers, see?
3:14:44 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Says two to three years?
3:14:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Members informed by consumers?
3:15:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	End third section says, reading?
3:15:18 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Analysis after first five to six years?
3:15:34 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Included data owner/member input?
3:16:10 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Press releases, Rebuttal Attachment JJT-1, correct?
3:16:54 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rebuttal, list large commercial customers, announcing projects?
3:17:08 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Any those customers signed power service agreements?
3:18:52 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Some of ones but not all?
3:19:04 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Only some have contracts signed?
3:19:21 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rebuttal, page 7, question Stanton negative load growth?

3:20:02 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not identify where in testimony?
3:20:30 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Correct testimony at pages eight and nine?
3:22:19 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Reference discussion line 10?
3:22:52 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Is reference negative growth?
3:23:02 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Have Stanton revised testimony?
3:23:20 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	What referring to?
3:23:26 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	That continues to chart or figure page nine, load forecast document?
3:23:56 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Figure 1, page nine, EKPC actual data?
3:24:02 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Does refer to negative numbers?
3:24:13 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Compare 2018 to 2023 time period to other periods?
3:24:45 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Look at table in application?
3:24:57 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Page 6, rebuttal, differences EKPC forecast load and PJM zone load?
3:25:43 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Two not equivalent?
3:26:07 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	PJM defined EKPC zone excludes load on KU, LG&E, Duke, AAP?
3:26:20 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Load excluded, be added to forecast?
3:26:52 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Refer document produced, Response JI-4, 2020-2025 demand?
3:27:15 PM	Wireless Presentation Activated	
3:27:34 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Sponsored this document?
3:27:41 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Shows amount load on AEP, Duke, or LG&E/KU system EKPC load?
3:27:58 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Numbers in JI-4 load referenced on lines 16-17 rebuttal, page 6?
3:28:39 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Amounts added into PJM forecast?
3:28:49 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Line 14-16, rebuttal, page 6, load served included in PJM forecast?
3:29:12 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Know how much load is?
3:29:17 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Know who would know?
3:29:25 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Another exhibit provided, JI-4, seen document before?
3:29:51 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Says EKP Smith and Downing, load in Duke zone, Duke Long Branch, KYMEA Falmouth?

3:30:12 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Smith and Downing load and KYMEA Falmouth load added to forecast?
3:30:53 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Smith and Downing load not reflected in forecast?
3:31:56 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Only load in zone served by other KU/LG&E and AEP?
3:32:18 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Post-hearing data request, how much load is?
3:32:19 PM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	ATTY SHOAFF SIERRA CLUB - WITNESS TUCKER PROVIDE HOW MUCH SMITH AND DOWNING LOADS
3:33:02 PM	Atty Shoaff Sierra Club Note: Sacre, Candace	Mark JI-4 as Exhibit JI-3.
3:33:42 PM	Chair Hatton Note: Sacre, Candace	Any objection?
3:33:43 PM	JOINT INTERVENORS HEARING EXHIBIT 3 Note: Sacre, Candace Note: Sacre, Candace	ATTY SHOAFF SIERRA CLUB - WITNESS TUCKER 2020-2025 DEMAND ON FOREIGN TRANSMISSION
3:33:49 PM	Wireless Presentation Deactivated	
3:34:07 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Cross Examination (cont'd). EKPC long-term forecast eight percent growth winter peak demand?
3:35:25 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	PJM EKPC load forecast winter peak demand growth point-three to point-four percent?
3:35:52 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Have Stanton testimony?
3:35:58 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Attachment, PJM load forecast, Exhibit EAS-2, page 33, EKPC zone forecast?
3:36:30 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Zonal 10-, 15-, to 20-year load growth, see that?
3:36:36 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	For winter, point-three to point-four percent per year?
3:36:42 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Lower than point-eight percent projecting EKPC service territory?
3:37:02 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Know reasons why level growth different?
3:38:10 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Watching yesterday's hearing?
3:38:23 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	See cross of Stachnik?
3:38:31 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Was focus on EKPC 2024 financial forecast?
3:38:48 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Testified provided inputs to him for forecast?
3:39:02 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	What provide him?
3:39:21 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Provide any other inputs or documents 2024 forecast?
3:39:43 PM	Atty Shoaff Sierra Club - witness Tucker Note: Sacre, Candace	Explain what referring to?

3:40:38 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Document confidential, have confidential corrected attachment Staff DR 1-24 Summary 3, May 24th?
3:41:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	What looking at, title?
3:42:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Document provided to Stachnik?
3:42:16 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Provided to him, he did whatever needed plug into UI planner?
3:42:30 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Also provide him summary tab?
3:43:08 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	This the output file from Rt sim modeling?
3:43:25 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Same modeling run also used Liberty Rice proposal?
3:43:38 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Any other projects included in modeling?
3:43:45 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Which solar projects are those?
3:44:10 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	No other solar projects?
3:44:21 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Output from only modeling run?
3:45:05 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Summary tab, what is that data?
3:45:27 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Summary tab not confidential?
3:45:58 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Data in summary tab extracted from output file?
3:46:15 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Modeling did production cost modeling?
3:46:20 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Assumes resources proposed as inputs?
3:46:28 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Modeling not select resources as least cost options?
3:46:40 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Modeling do have a model select least cost resource?
3:46:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Modeling compared CCGT and gas co-firing projects to hourly market energy prices?
3:47:00 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Used determine how much projects operate and revenues earn?
3:47:09 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Model not capability compare CCGT to other units in PJM?
3:47:29 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not modeling PJM system?
3:47:35 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Something model could do if right type modeling program?
3:47:48 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Done that other projects?
3:48:04 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rt sim production cost modeling relies input data?
3:48:20 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	All input into model

3:48:22 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Inputs identified in file produced response Staff 1-19?
3:49:16 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Confidential inputs 3May24?
3:49:19 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Are inputs provided RTC SIM modeling run?
3:49:27 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Is VOM tab?
3:49:43 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Means variable O&M?
3:49:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Data Cooper CCTG on tab?
3:50:02 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Know where inputs Cooper CCTG provided?
3:50:30 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not input file that provides for input into modeling?
3:50:48 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not know how input?
3:51:04 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	VOM numbers reflect impacts from gas co-firing projects?
3:51:47 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	So modeled?
3:51:54 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	As if continued operating on coal?
3:52:08 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Why not model lower costs?
3:52:36 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not have confidence in estimates?
3:53:01 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Discussion Stachnik, capital costs, gas pipelines?
3:53:17 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Testimony approximately \$400 million each of pipelines?
3:53:30 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Understanding capital costs passed on EKPC over 20-year period?
3:53:48 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Those costs reflected in production cost modeling?
3:54:15 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Production cost modeling files not reflected those costs?
3:54:28 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not provide data regarding costs to Stachnik?
3:54:59 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Rt sim production cost modeling market energy price, natural gas price, and coal price?
3:55:07 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Inputs opposed to outputs?
3:55:17 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Excel attachment JI 1-24(E), thermal cost benefits?
3:56:27 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Derived from output Rt sim modeling?
3:56:34 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Net cost benefits not reflect cost of pipelines?
3:57:06 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Cost benefit numbers, line 23, difference market price and cost to run?

3:57:22 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Any fixed costs reflected?
3:57:32 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Thermal unit net cost benefit not include building facilities?
3:57:40 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Also not include capital or fixed O&M?
3:57:50 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Have estimate of costs?
3:57:58 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	But estimated annual capital and fixed O&M each of projects?
3:58:12 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Referring to annual spending maintain plant?
3:58:28 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Also fixed O&M per year?
3:58:41 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Numbers from Burns & McDonnell?
3:58:45 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Need to factor those costs in determine long-term economics?
3:59:04 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Production cost modeling run on basis of single natural gas forecast?
3:59:18 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Not assessed units perform gas prices 20 percent higher/lower?
3:59:27 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Net cost benefit analysis CCGT based on single market energy price?
3:59:37 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Market energy prices 20 percent higher/lower no data how perform?
3:59:56 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	No modeling run says if gas market prices 20 percent lower?
4:00:07 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	1-24(E) corrected version of net cost benefit analysis direct testimony?
4:00:23 PM	Atty Shoaff Sierra Club	
	Note: Sacre, Candace	Not see corrected version on docket, appears be old one, take five-minute break?
4:00:55 PM	Chair Hatton	
	Note: Sacre, Candace	Confer, two minutes.
4:01:18 PM	Camera Lock Intervener Activated	
4:01:23 PM	Camera Lock Commissioner Activated	
4:02:09 PM	Camera Lock Intervener Activated	
4:02:19 PM	Camera Lock Deactivated	
4:02:26 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Page 11, rebuttal, reasons for reserve margin prohibition recovering fuel adjustment clause?
4:03:01 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Discussed with Kurtz, during peak, buying from PJM add up quickly?
4:03:24 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Cite on page 12, line 5, high as \$5,000 per megawatt hour?
4:03:37 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Average cost EKPC paid during Elliott \$660 per megawatt hour?
4:03:56 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Sound right or probably correct?
4:04:09 PM	Atty Shoaff Sierra Club - witness Tucker	
	Note: Sacre, Candace	Note page 12, lines 1-2, EKPC not allowed flow through FAC those costs?

4:04:24 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Next page, flag lines 5-6, market purchases, EKPC denied recovery?

4:04:46 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Cite to Commission Order from 2015?

4:04:53 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace If could pull up that Order, appear be Order cite rebuttal testimony?

4:05:27 PM Wireless Presentation Activated

4:05:58 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Seen Order before?

4:06:02 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Page 7 of Order, bottom of page, it says, reading, right?

4:06:31 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Goes on explain be recovered through base rates, correct?

4:06:40 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Page 8 to page 9, when purchases made emergency, immediate recovery?

4:07:02 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Is some sort of expedited process?

4:07:17 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace But cost not borne by company if get recovery?

4:07:42 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Aware in 2021 rate case proposed \$2.7 million adjustment?

4:08:04 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Not know if Commission approved that?

4:08:12 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Page 13, rebuttal, question is, reading, answer no, not provide citation?

4:08:16 PM Wireless Presentation Deactivated

4:08:58 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Identify where says that?

4:10:44 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Put up response Stanton provided EKPC Request 1.5, EKPC asked, reading, read correctly?

4:11:03 PM Wireless Presentation Activated

4:12:00 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Stanton response, reading, see that?

4:12:36 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Take this be Stanton explaining, opinion not justified?

4:13:53 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Talked earlier about definition from NERC?

4:13:55 PM Wireless Presentation Deactivated

4:14:03 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace What is NERC?

4:14:38 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace What is entity, what is it?

4:14:44 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace What do?

4:14:59 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Find them credible source of information?

4:15:11 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace In response Staff 1.3(B), provided NERC report, 2024 Long-Term Reliability Assessment, recall that?

4:16:18 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Lot of discussion battery storage and whether feasible, correct?

4:16:34 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace NERC report, page 93, see discussion bottom left?

4:17:20 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Discusses how energy storage development continues PJM?

4:17:27 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Offer grid operators tool maintain power supply?

4:17:39 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Energy storage development, PJM continues work other energy entities?

4:18:06 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Suggest battery storage feasible technology?

4:18:25 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace But technically, believe technically feasible?

4:20:32 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace In Elliott, above your capacity one hour?

4:21:08 PM Commissioner Regan - witness Tucker
Note: Sacre, Candace Examination. What testified to yesterday?

4:21:13 PM Commissioner Regan - witness Tucker
Note: Sacre, Candace Then did not give enough, today four hours all do with battery?

4:21:26 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Cross Examination (cont'd). So gas not able perform during Elliott?

4:21:49 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Had load shedding events because not have PJM to rely on?

4:21:53 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Do have PJM rely on?

4:22:21 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Nobody in PJM shed during Elliott?

4:22:27 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace And not shed load during last two winter storms?

4:22:34 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Nobody PJM load shed last two years?

4:22:43 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Know if PJM exported power to neighboring regions?

4:22:55 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Bring up final exhibit, aware NERC Jan 2025 System Performance Review?

4:23:12 PM Atty Shoaff Sierra Club
Note: Sacre, Candace Mark as JI Exhibit 5.

4:23:12 PM Wireless Presentation Activated

4:23:20 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Is analysis done by NERC how systems performed, concerns about load shedding?

4:23:43 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Raises concerns about reliability?

4:23:53 PM Atty Shoaff Sierra Club - witness Tucker
Note: Sacre, Candace Page 12, Communication, reading, see that, references ERCOT?

4:24:59 PM Atty Shoaff Sierra Club
Note: Sacre, Candace Move Exhibit JI-5 into record.

4:25:29 PM Chair Hatton
Note: Sacre, Candace Not deny relevance but not believe proper foundation laid.

4:26:14 PM Wireless Presentation Deactivated

4:26:20 PM Chair Hatton
Note: Sacre, Candace Staff?

4:26:30 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Cross Examination. Have Staff Third Request, Item 3, and Excel sheet?
4:27:04 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Bluegrass 2 and 3 offline during Elliott, loss system capacity?
4:27:27 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Post-hearing data request, provide documentation impacts of capacity shortfall?
4:27:45 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Have copy Staff Fourth Request, Item 2, and attachment, two tabs, Spurlock and Cooper, description interpret chart?
4:28:52 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	If looking at columns total power cost and total revenue cost, interpret that costs exceeding revenues?
4:30:02 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	EKPC anticipate revenue forecast improve?
4:30:58 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	RICE units, 2024-00310 case, units run 6,000 hours per year?
4:31:11 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	What estimate based on?
4:31:42 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Production cost modeling dispatch units that many hours?
4:32:24 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Model dispatched at 6,000 hours?
4:32:28 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Purvis testified RICE units support renewables, mean renewable generation falls RICE fill gap?
4:33:13 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Explain how be available if running 6,000 hours?
4:33:31 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	In modeling, when dispatches, how dispatched?
4:33:52 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	How 12 RICE units bid into PJM energy markets?
4:34:33 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	When be determined?
4:34:43 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Aware any other states or utilities using RICE engines?
4:35:13 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Staff Second, Item 14, since ran modeling, Spurlock support 50 percent natural gas co-fire, accurate representation?
4:36:00 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	EKPC expect run with natural gas all hours?
4:36:41 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Post-hearing, ask about Spurlock 1 and 2, able provide that?
4:36:55 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Expect will be at full 50 percent natural gas co-fire?
4:37:16 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Expect co-fire percentage natural gas burned vary hour to hour?
4:37:40 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Since EKPC burning coal at Spurlock, costs significant factor offer price?
4:37:42 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Have same questions Cooper 2, just add those to post-hearing data request?

4:38:48 PM	Staff Atty Saffari PSC - witness Tucker Note: Sacre, Candace	Attachment, AG First, Item 9, explain whether pipeline prices include in figures?
4:40:10 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	Examination. Talked about winter peak about a thousand megawatts higher than summer peak?
4:40:22 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	But also necessity increase summer reserves match winter, explain why?
4:40:47 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	Just seven percent higher?
4:41:07 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	Know how close are EKPC looking at nuclear generation?
4:42:07 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	RFP process, tried couple times, limitations applicable to anything EKPC tries self-build?
4:43:10 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	That one in Pennsylvania, not a firm contract?
4:43:49 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	Accept risk doing build yourself for certainty?
4:43:54 PM	Chair Hatton - witness Tucker Note: Sacre, Candace	And control?
4:43:57 PM	Chair Hatton Note: Sacre, Candace	Redirect?
4:44:02 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Redirect Examination. PJM responsible for planning generation?
4:44:45 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Questions EKPC sustainability plan, 35 percent goal or mandate?
4:45:05 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	If solar become not economic, not be built?
4:45:15 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Not do it just meet sustainability goal?
4:45:18 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Kurtz talked about benefits each one of those?
4:45:26 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Benefit to gas line for co-fire at Spurlock customer supply steam?
4:46:15 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Kurtz handwritten exhibit, asked about FERC order today, caps on PJM?
4:46:28 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Fact PJM set cap, indicate market price actually been higher?
4:47:04 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	Be more in line with ACES forecast?
4:47:07 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	And what Kurtz exhibit showed?
4:47:11 PM	Atty Honaker EKPC - witness Tucker Note: Sacre, Candace	RICE units may support solar, not just EKPC solar generation?
4:47:42 PM	Chair Hatton Note: Sacre, Candace	Follow up?
4:47:51 PM	Chair Hatton Note: Sacre, Candace	Joint Intervenors, first witness?
4:48:23 PM	Chair Hatton Note: Sacre, Candace	Anybody recall Mosier?

4:48:38 PM	Chair Hatton	
	Note: Sacre, Candace	Ms. McCrae?
4:48:42 PM	Atty McCrae Joint Intervenors	
	Note: Sacre, Candace	Call Dr. Rhea Roumpani.
4:48:47 PM	Camera Lock Witness Activated	
4:49:03 PM	Chair Hatton	
	Note: Sacre, Candace	Witness is sworn.
4:49:15 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Direct Examination. By whom employed and title?
4:49:34 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Cause testimony be filed?
4:49:41 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Cause responses be filed?
4:49:49 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Corrections or changes?
4:50:13 PM	Camera Lock Deactivated	
4:50:40 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Asked same questions, be same?
4:50:50 PM	Atty McCrae Joint Intervenors - witness Roumpani	
	Note: Sacre, Candace	Intent have testimony and responses entered into record?
4:51:07 PM	Chair Hatton	
	Note: Sacre, Candace	Questions?
4:51:37 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Cross Examination. Experiences consulted with other generation and transmission coops developed DSM programs?
4:52:22 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	How think generation coops garner support for DSM programs?
4:53:12 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Based on recommendation, feel reconciles with schedule suggest?
4:53:59 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Feel coincides timeline have in place?
4:55:08 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Based on list of recommendations, most significant or should be prioritized?
4:56:31 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Direct testimony, page 29 of 61, behavioral measures, how energy audit program improved?
4:58:28 PM	Staff Atty Lawson PSC - witness Roumpani	
	Note: Sacre, Candace	Testimony, pages 13-14, explanation how DSM plan not meet standard customer consumption?
5:00:00 PM	Chair Hatton	
	Note: Sacre, Candace	Redirect?
5:00:14 PM	Chair Hatton	
	Note: Sacre, Candace	Next witness?
5:00:16 PM	Atty Shoaff Sierra Club	
	Note: Sacre, Candace	Joint Intervenors call Elizabeth Stanton.
5:00:34 PM	Camera Lock Witness Activated	
5:00:42 PM	Chair Hatton	
	Note: Sacre, Candace	Witness is sworn.
5:00:53 PM	Camera Lock Deactivated	
5:00:54 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Direct Examination. Name?
5:00:59 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	By whom employed and title?

5:01:09 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Cause testimony be filed?
5:01:18 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Cause responses be filed?
5:01:23 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Corrections or changes?
5:01:28 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Asked same questions, responses be same?
5:01:34 PM	Atty Shoaff Sierra Club - witness Stanton	
	Note: Sacre, Candace	Intent have testimony and responses entered?
5:01:45 PM	Chair Hatton	
	Note: Sacre, Candace	Questions?
5:01:55 PM	Staff Atty Lawson PSC - witness Stanton	
	Note: Sacre, Candace	Cross Examination. Page 8 testimony to page 13, large commercial customer growth, data sources feel validate forecasts?
5:04:00 PM	Staff Atty Lawson PSC - witness Stanton	
	Note: Sacre, Candace	Page 16, testimony, line 17, reference modeling, point to specific example or explain?
5:05:42 PM	Chair Hatton	
	Note: Sacre, Candace	Commissioner Regan?
5:05:45 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Examination. Testified in other states?
5:05:53 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	In other states, seen changes in what have had to do?
5:06:10 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Get information from members what forecasts are?
5:06:39 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	How all interact, have to have all three things?
5:06:45 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Referred to before?
5:06:49 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	If member has contracts, loads increase, PJM making decision, seen that in other states, capacity shortage?
5:08:10 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Find weather happened last two winters unusual?
5:08:40 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Is testimony is only area seeing short-term growth?
5:09:22 PM	Chair Hatton - witness Stanton	
	Note: Sacre, Candace	Examination. Only two states regulate coops?
5:09:32 PM	Chair Hatton - witness Stanton	
	Note: Sacre, Candace	Not representing true, may be few others but not many more, analysis change at all dealing with coop?
5:12:21 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Examination. Whether works or not dependent on climate or topography?
5:12:38 PM	Commissioner Regan - witness Stanton	
	Note: Sacre, Candace	Or any of new technologies?
5:12:56 PM	Chair Hatton	
	Note: Sacre, Candace	Redirect?
5:13:14 PM	Chair Hatton	
	Note: Sacre, Candace	Summary of requests April 25.
5:13:41 PM	Chair Hatton	
	Note: Sacre, Candace	May 2 answer.

5:13:57 PM	Chair Hatton Note: Sacre, Candace	Final order due June 1.
5:14:05 PM	Chair Hatton Note: Sacre, Candace	Simultaneous briefs May 6.
5:14:37 PM	Chair Hatton Note: Sacre, Candace	Simultaneous response by May 16.
5:14:48 PM	Atty Kurtz Nucor Note: Sacre, Candace	To extent failed move in Nucor exhibits, move them now.
5:14:57 PM	Chair Hatton Note: Sacre, Candace	Any objections?
5:14:58 PM	NUCOR HEARING EXHIBIT 3 Note: Sacre, Candace Note: Sacre, Candace	ATTY KURTZ NUCOR - WITNESS TUCKER SUPPLEMENTAL REQUEST FOR INFORMATION RESPONSE, JOINT INTERVENORS, JANUARY 17 2025, REQUEST 8
5:14:59 PM	NUCOR HEARING EXHIBIT 4 Note: Sacre, Candace Note: Sacre, Candace	ATTY KURTZ NUCOR - WITNESS TUCKER THERMAL UNIT NET COST BENEFIT AND THERMAL UNIT GENERATION
5:15:00 PM	NUCOR HEARING EXHIBIT 5 Note: Sacre, Candace Note: Sacre, Candace	ATTY KURTZ NUCOR - WITNESS TUCKER PRELIMINARY ELCC CLASS RATING FOR PERIOD DELIVERY YEAR 2026/27 - DELIVERY YEAR 2034/35
5:15:28 PM	Chair Hatton Note: Sacre, Candace	Hearing adjourned.
5:15:38 PM	Session Ended	



Exhibit List Report

2024-00370 22Apr2025

East Kentucky Power Cooperative,
Inc. (EKPC)

Name:	Description:
AG HEARING EXHIBIT 2	LETTER DATED APR 4 2025 ADDRESSED TO THE WHITE HOUSE REGARDING SUPPORT FOR GENERATING UNIT PRESIDENTIAL EXEMPTIONS IN PJM REGION, FROM MANU ASTHANA, PRES AND CEO, PJM INTERCONNECTION LLC
JOINT INTERVENORS HEARING EXHIBIT 3	2020-2025 DEMAND ON FOREIGN TRANSMISSION
NUCOR HEARING EXHIBIT 3	SUPPLEMENTAL REQUEST FOR INFORMATION RESPONSE, JOINT INTERVENORS REQUEST DATED JANUARY 17 2025, REQUEST 8
NUCOR HEARING EXHIBIT 4	THERMAL UNIT NET COST BENEFIT AND THERMAL UNIT GENERATION
NUCOR HEARING EXHIBIT 5	PRELIMINARY ELCC CLASS RATINGS FOR PERIOD DELIVERY YEAR 2026/27 - DELIVERY YEAR 2034/35



Manu Asthana
President & CEO
manu.asthana@pjm.com

PJM Interconnection
2750 Monroe Blvd.
Audubon, PA 19403

Via Electronic Delivery

April 4, 2025

The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

Re: Support for Generating Unit Presidential Exemptions in the PJM Region

Dear President Trump:

PJM Interconnection, L.L.C. (PJM) provides this statement in support of Presidential exemption requests that generation owners in the PJM region have submitted or will submit pursuant to section 112(i)(4) of the Clean Air Act.¹

PJM has the responsibility to ensure the reliability of the electric grid in a region spanning 13 states plus the District of Columbia. Reliability in this context refers both to the day-to-day work of managing the grid so as to keep the system in balance, and to looking forward to plan for the availability and commitment of adequate resources to serve the expected demand for electricity in future years. Additionally, PJM operates electricity markets to competitively procure capacity and to efficiently dispatch generation to meet load in real time.

Grid Reliability is a National Security Issue

Maintaining a reliable grid is in the interest of national security.² PJM serves a region with over 67 million people. PJM's region is responsible for 21% of the U.S. Gross Domestic Product, and contains over 50 military installations.³ PJM provided testimony to the U.S. Senate Committee on Energy & Natural Resources on June 1, 2023, stressing the importance of the electric grid to national security.⁴ For the past two years the North American

¹ As of the submission date, PJM understands the following facilities have requested a Presidential exemption: Keystone and Conemaugh in Pennsylvania, Cardinal and Miami Fort in Ohio, Cooper and Spurlock in Kentucky, Fort Martin, Harrison, and Mount Storm in West Virginia, and Kincaid in Illinois.

² The White House, Presidential Actions: Declaring a National Energy Emergency (Jan. 20, 2025), <https://www.whitehouse.gov/presidential-actions/2025/01/declaring-a-national-energy-emergency/> (last visited Apr. 3, 2025) ("The United States' insufficient energy production, transportation, refining, and generation constitutes an unusual and extraordinary threat to our Nation's economy, national security, and foreign policy."); U.S. Dept. of Energy, Electric Grids, <https://www.energy.gov/topics/electric-grids> (last visited Apr. 3, 2025) ("A reliable, resilient, and secure electric grid is vital for national security, economic security, and the growing number of services that Americans rely upon every day.")

³ U.S. Dept. of Transportation, Military Bases Dataset, https://data-usdot.opendata.arcgis.com/datasets/3940b83dea374cd59c86a98c6935e059_0/explore?location=7.964188%2C3.071732%2C2.11 (last updated Nov. 18, 2024).

⁴ PJM Interconnection, Testimony of Manu Asthana President and CEO (June 1, 2023), <https://www.pjm.com/-/media/DotCom/library/reports-notice/testimony/2023/20230601-testimony-of-manu-asthana-us-senate-committee-energy-natural-resources.pdf> ("[T]he electric grid is one of our most important infrastructure assets. It is critical to both the economy,

Electric Reliability Corporation (NERC) has emphasized that from an electric reliability viewpoint, environmental regulations and policies can drive premature thermal generation retirements that can heighten capacity and energy shortfall risks. In response, NERC has recommended that regulators, Independent System Operators and Regional Transmission Organizations – like PJM – and electric utilities in general enhance mechanisms to extend the service of generators needed for reliability.⁵ Efforts to allow existing capacity resources to continue operating to serve customer needs in PJM is in the best interest of national security.

PJM Resource Adequacy Concerns

Since before PJM's release of the Energy Transition in PJM: Resource Retirements, Replacements and Risks report in February 2023, PJM has been expressing concerns regarding rapid demand growth, baseload generating unit retirements, and the relatively slow pace of new resources coming online.⁶ During this same time period, the EPA has released additional or tightened existing regulations, including the Mercury and Air Toxics Standards for power plants, based on an evaluation of the residual risk and technology review (the Mercury and Air Toxics Standards Risk and Technology Review rule or MATS RTR rule). The MATS RTR rule can, based on individual circumstances, make it challenging for certain existing fossil fuel resources to continue operating.

During the same period, PJM's long-term load forecasts have increased dramatically, with PJM's 2025 report forecasting peak demand growth over the next 10 years of 3.1% in the summer and 3.8% in the winter. This growth is largely driven by the increase in data center demand to meet artificial intelligence and related needs, and the on-shoring of existing industries.⁷ Reflecting these trends, in recent testimony to the U.S. House of Representatives, Committee on Energy and Commerce, Subcommittee on Energy, PJM identified supporting system reliability and resource adequacy by retaining existing generation as a key area of focus.⁸

health and security of all Americans. We need to give protection and enhancement of the grid the same level of focus that we give to our equally important environmental goals.").

⁵ NERC, Long-term Reliability Assessments for 2024 and 2023, https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%20Term%20Reliability%20Assessment_2024.pdf and https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_LTRA_2023.pdf.

⁶ PJM Interconnection, Energy Transition in PJM: Resource Retirements, Replacements & Risks (Feb. 24, 2023), <https://www.pjm.com/-/media/DotCom/library/reports-notices/special-reports/2023/energy-transition-in-pjm-resource-retirements-replacements-and-risks.pdf>.

⁷ PJM Interconnection, 2025 PJM Long Term Load Forecast Report (Jan. 24, 2025), <https://www.pjm.com/-/media/DotCom/library/reports-notices/load-forecast/2025-load-report.pdf>.

⁸ PJM Interconnection, Testimony of Manu Asthana President and CEO (Mar. 25, 2025), <https://www.pjm.com/-/media/DotCom/library/reports-notices/testimony/2025/20250325-asthana-testimony-us-house-subcommittee-on-energy.pdf> ("Keep the resources we have online – We need existing generation to remain in place in support of reliability while we continue to integrate new resources on to our system.").

Requests in PJM

PJM understands that at least 13,900 MW of capacity resources in PJM have requested a Presidential exemption from certain requirements. These fuel-secure, dispatchable generators are capacity resources and provide essential reliability services such as those used for energy balancing: ramping, flexibility, and load following/dispatchability; those for frequency response and system stability: inertia, primary frequency response, and system stability; and those used for voltage response and system strength: dynamic VAR (volt-ampere reactive) support, and system short-circuit strength.

PJM capacity resources like those included in these 13,900 MW are bound by Federal Energy Regulatory Commission-approved tariff requirements to support the reliability of the bulk electric system. Per PJM's tariff, these resources have specific obligations:⁹ day-ahead energy market offer requirement¹⁰; energy recallability¹¹; deliverability¹²; and generator outage reporting.¹³ During peak system conditions, these units support grid reliability necessary to serve peak demand when they are available to PJM for dispatch.

To the extent the requested exemptions allow resources that would otherwise retire to extend their operation, PJM anticipates needing these units to maintain reliable grid operations during peak system conditions. To the extent the requested Presidential exemptions allow additional time to upgrade the subject units required for compliance with the MATS RTR rule without losing their output, granting an additional two year exemption will help PJM and unit owners stagger the impacts of unit outages to mitigate any potential reliability impacts. In these circumstances, PJM supports these important units' requested exemptions so that they remain available to serve customers during peak conditions for as long as possible.

⁹ A Capacity Resource with a capacity commitment may be relieved of such commitment and associated obligations by procuring replacement capacity either through procurement in a scheduled Incremental Auction prior to the delivery year or through a bilateral transaction. See PJM Tariff, Attachment DD, sections 4.6 and 5.7.

¹⁰ PJM's Tariff specifies that when a generation owner sells a unit as a capacity resource, the seller is obligated to offer their output into PJM's day-ahead energy market. Since day-ahead offers are binding, PJM capacity resource owners must provide the offered energy at the day-ahead clearing price, if the offer is accepted in the day-ahead energy market. See PJM Tariff, Attachment DD, section 1.10.1A.

¹¹ A capacity resource is obligated to allow PJM to recall the energy generated by that unit if the energy is sold outside of PJM. This right enables PJM to recall energy exports from capacity resources when it invokes emergency procedures. See PJM Interconnection, *Manual 13: Emergency Operations*, § 2.1 (rev. 95, Feb. 20, 2025), <https://www.pjm.com/-/media/documents/manuals/m13.ashx>.

¹² Energy from the capacity resource must be deliverable to load in the PJM Control Area. Deliverability means that adequate transmission capability must exist or be constructed to ensure that energy from the capacity resource can be delivered to the PJM market.

¹³ Rules governing generation resource outage scheduling are further documented in PJM Interconnection, *Manual 10: Pre-Scheduling Operations*, § 1 (rev. 45, Nov. 21, 2024), <https://www.pjm.com/-/media/DotCom/documents/manuals/m10.pdf>. PJM capacity resources are required to submit outage data to PJM. This data is important both for ongoing reliability assessments and for determining the actual, available level of unforced or net capacity.

Please contact me or any of the undersigned PJM representatives if there are questions regarding exemption requests involving units in the PJM region.

Respectfully submitted,

/s/ Manu Asthana

Manu Asthana

President & CEO

PJM Interconnection, L.L.C.

Cc: Honorable Lee M. Zeldin, Administrator, United States Environmental Protection Agency (airaction@epa.gov)
Mike Bryson, Senior Vice President, Operations (michael.bryson@pjm.com)
Craig Glazer, Vice President-Federal Government Policy (craig.glazer@pjm.com)
Gary Helm, Principal Energy & Environmental Strategist (gary.helm@pjm.com)

Year	Month	EKPC on AEP	EKPC on DEOK	EKPC on KU/LGE
2020	1	8	22	466
2020	2	8	22	487
2020	3	7	20	398
2020	4	6	18	353
2020	5	7	22	381
2020	6	7	25	393
2020	7	8	27	451
2020	8	8	26	448
2020	9	7	25	444
2020	10	5	21	370
2020	11	8	21	521
2020	12	8	22	539
2021	1	8	21	504
2021	2	9	21	531
2021	3	8	20	450
2021	4	7	21	413
2021	5	6	25	421
2021	6	8	27	456
2021	7	8	27	472
2021	8	8	28	480
2021	9	6	26	426
2021	10	6	24	374
2021	11	9	20	585
2021	12	8	28	337
2022	1	10	23	556
2022	2	9	21	501
2022	3	8	19	480
2022	4	6	21	386
2022	5	8	24	402
2022	6	8	28	494
2022	7	8	27	503
2022	8	8	27	530
2022	9	6	27	482
2022	10	6	19	478
2022	11	8	20	588
2022	12	12	20	653
2023	1	6	20	571
2023	2	6	21	572
2023	3	6	20	576
2023	4	4	20	488
2023	5	4	27	498
2023	6	4	24	523
2023	7	4	27	586
2023	8	4	27	575
2023	9	4	27	558
2023	10	4	24	501

2023	11	7	20	586
2023	12	6	19	601
2024	1	9	22	732
2024	2	7	19	609
2024	3	5	19	558
2024	4	4	22	495
2024	5	4	27	527
2024	6	4	26	569
2024	7	5	26	594
2024	8	4	28	577
2024	9	4	25	539
2024	10	4	21	483
2024	11	6	20	526
2024	12	7	22	613
2025	1	10	23	677
2025	2	8	26	686

EAST KENTUCKY POWER COOPERATIVE, INC.
CASE NO. 2024-00370
SUPPLEMENTAL REQUEST FOR INFORMATION RESPONSE

JOINT INTERVENORS' REQUEST DATED JANUARY 17, 2025

REQUEST 8

RESPONSIBLE PARTY: **Thomas J. Stachnik**

Request 8. Please refer to your response to JI 1-11. With regards to the statement that “our projections indicate that EKPC will be able to implement the complete proposed portfolio of projects (RICE, Cooper CC, Co-firing and New ERA renewables) which meets generation needs and environmental compliance requirements with modest rate increases, averaging less than 2% per year over the next 20 years.”

a. Explain how you determined the referenced “modest rate increases,” including identifying any modeling that went into such determination.

b. State whether each of the following categories of costs are reflected in this projected “modest rate increase”. For each category that is not included, explain why not:

- i. Capital
- ii. Fixed O&M
- iii. Variable O&M
- iv. Fuel
- v. Gas pipeline infrastructure
- vi. Transmission upgrades and/or additions

c. Produce any modeling input and output files, workpapers, workbooks, and other documents used in determining the projected “modest rate increase.”

Response 8.

a. and c. Please see attached for the Long-Range Financial Forecast (“LRFF”) Summary. EKPC is also uploading an Excel spreadsheet of the last page of the LRFF Summary which is the LRFF. Both of these attachments are being filed under seal pursuant to a motion for confidential treatment. See attachments *Confidential-JI2.8.c1.pdf* and *Confidential-JI2.8.c2.xlsx*.

b. All of the above were included in the modelling.

NUCOR HEARING EXHIBIT 4

Thermal Unit Net Cost Benefit (\$)

	Tot-2029	Tot-2030	Tot-2031	Tot-2032	Tot-2033	Tot-2034	Tot-2035	Tot-2036	Tot-2037	Tot-2038	Tot-2039	Total
Cooper 2 Co-Fire 100% NG	899,907	10,493,935	11,676,154	12,374,071	11,708,778	12,245,712	12,682,898	13,149,223	12,042,416	10,432,380	9,438,070	117,143,544
Spurlock 1 40% NG Co-Fire	2,390,190	16,891,740	18,028,770	18,341,216	15,872,950	16,334,373	17,285,298	18,230,794	17,078,436	15,364,638	13,701,976	169,520,381
Spurlock 2 40% NG Co-Fire	4,359,474	30,850,116	32,651,468	32,960,792	28,610,296	28,530,454	31,281,400	32,634,824	31,078,992	27,128,478	24,454,734	304,541,028
Spurlock 3 40% NG Co-Fire	-	2,285,136	16,450,027	16,620,083	15,123,115	14,840,478	15,897,383	16,928,312	15,596,068	13,334,934	11,362,040	138,437,576
Spurlock 4 40% NG Co-Fire	-	2,186,377	16,265,697	16,271,222	14,490,377	14,243,498	15,323,786	16,912,616	14,942,770	12,987,292	10,662,510	134,286,145
Cooper CCGT	-	100,639,856	100,639,856	100,639,856	100,639,856	119,037,512	121,606,080	126,527,344	121,180,424	114,684,024	110,526,256	1,116,121,064
Total	7,649,570	163,347,160	195,711,972	197,207,240	186,445,372	205,232,027	214,076,845	224,383,113	211,919,106	193,931,746	180,145,586	1,980,049,737

Thermal Unit Generation (MWh)

	Tot-2029	Tot-2030	Tot-2031	Tot-2032	Tot-2033	Tot-2034	Tot-2035	Tot-2036	Tot-2037	Tot-2038	Tot-2039	Total
Cooper 2 Co-Fire 100% NG	97,734	811,334	784,604	840,597	670,636	683,979	662,218	675,144	636,751	616,791	602,078	7,081,865
Spurlock 1 40% NG Co-Fire	177,634	1,641,211	1,418,238	1,471,710	1,027,387	991,098	971,182	941,628	1,017,005	1,047,941	1,041,084	11,746,116
Spurlock 2 40% NG Co-Fire	333,396	2,960,110	2,552,258	2,491,660	1,854,486	1,721,304	1,771,199	1,712,650	1,843,721	1,849,700	1,895,738	20,986,219
Spurlock 3 40% NG Co-Fire	-	158,795	1,578,964	1,581,026	1,525,040	1,513,436	1,514,779	1,528,275	1,522,735	1,508,862	1,523,882	13,955,794
Spurlock 4 40% NG Co-Fire	-	154,760	1,631,945	1,638,365	1,603,235	1,595,240	1,597,868	1,607,410	1,601,619	1,598,270	1,604,298	14,633,010
Cooper CCGT	-	3,122,602	3,122,602	3,122,602	3,122,602	3,471,753	3,443,037	3,481,429	3,403,779	3,318,555	3,303,891	32,912,850
Total	608,764	8,848,811	11,088,610	11,145,960	9,803,384	9,976,809	9,960,282	9,946,535	10,025,610	9,940,118	9,970,971	101,315,854

Net Cost Benefit is the difference between the expected market price and the cost to run the unit.

Generation is the amount of energy that each unit is expected to generate on an economic dispatch basis within the PJM energy market.

Cooper 2 225 MW Oct. - 1969 \$73.8 million
 Spur. 1 300 MW Sep. - 1977 \$54 million
 Spur. 2 510 MW Mar - 1981 \$52 million
 Spur 3 268 MW Mar. - 2005 \$42 million
 Spur 4 268 MW Apr - 2009 \$39 million
 Cooper CCGT 745 MW 2030 \$1,317 million

Preliminary ELCC Class Ratings for period Delivery Year 2026/27 – Delivery Year 2034/35

The following table provides the preliminary ELCC Class Ratings for Delivery Years in the period 2026/27 – 2034/35 as calculated under the methodology approved by FERC on January 30th, 2024 in Docket No. ER24-99. These preliminary ELCC Class Ratings are non-binding and are only for indicative purposes.

ELCC Class	2026/ 27	2027/ 28	2028/ 29	2029/ 30	2030/ 31	2031/ 32	2032/ 33	2033/ 34	2034/ 35
Onshore Wind	35%	33%	28%	25%	23%	21%	19%	17%	15%
Offshore Wind	61%	56%	47%	44%	38%	37%	33%	27%	20%
Fixed-Tilt Solar	7%	6%	5%	5%	4%	4%	4%	4%	3%
Tracking Solar	11%	8%	7%	7%	6%	5%	5%	5%	4%
Landfill Intermittent	54%	55%	55%	56%	56%	56%	56%	56%	54%
Hydro Intermittent	38%	40%	37%	37%	37%	37%	39%	38%	38%
4-hr Storage	56%	52%	55%	51%	49%	42%	42%	40%	38%
6-hr Storage	64%	61%	65%	61%	61%	54%	54%	53%	52%
8-hr Storage	67%	64%	67%	64%	65%	60%	60%	60%	60%
10-hr Storage	76%	73%	75%	72%	73%	68%	69%	70%	70%
Demand Resource	70%	66%	65%	63%	60%	56%	55%	53%	51%
Nuclear	95%	95%	95%	96%	95%	96%	96%	94%	93%
Coal	84%	84%	84%	85%	85%	86%	86%	83%	79%
Gas Combined Cycle	79%	80%	81%	83%	83%	85%	85%	84%	82%
Gas Combustion Turbine	61%	63%	66%	68%	70%	71%	74%	76%	78%
Gas Combustion Turbine Dual Fuel	79%	79%	80%	80%	81%	82%	83%	83%	83%
Diesel Utility	92%	92%	92%	92%	92%	93%	93%	93%	92%
Steam	74%	73%	74%	75%	74%	75%	76%	74%	73%

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REQUEST 18

RESPONSIBLE PARTY: **Julia J. Tucker**

Request 18. Please identify and produce EKPC's most recent forecast of PJM BRA capacity market clearing prices for any of the planning years 2024/25 through 2038/39 for which EKPC has a forecast.

Response 18. The BRA for delivery years 2024/25 and 2025/26 have already cleared at \$28.92/MW-Day and \$269.92/MW-Day, respectively. Please see BRA clearing price forecast below for delivery years 2026/27 through 2038/39, provided by ACES Power Marketing on December 19, 2024. These values were not used to determine the range of \$5.8 million to \$56.4 million as EKPC chose conservatively to utilize historic BRA clearings instead of these forecasted prices. If EKPC were to use these forecasted prices, the Cooper CCGT would be forecasted to provide between \$75 million in the 2026/27 BRA and \$126 million in the 2038/39 BRA.

DY	\$/MW-day
26/27	\$362
27/28	\$377
28/29	\$383
29/30	\$558
30/31	\$404
31/32	\$420
32/33	\$437
33/34	\$469
34/35	\$500
35/36	\$467
36/37	\$575
37/38	\$590
38/39	\$606

$$\begin{aligned}
 30/31 & 745 \text{ MW} \times 83\% \times \$404 \times 365 = \$91.1 \text{ million} \\
 31/32 & 745 \text{ MW} \times 85\% \times \$420 \times 365 = \$97.0 \text{ million} \\
 32/33 & 745 \text{ MW} \times 85\% \times \$437 \times 365 = \$101.0 \text{ million} \\
 33/34 & 745 \text{ MW} \times 84\% \times \$469 \times 365 = \$107.1 \text{ million} \\
 34/35 & 745 \text{ MW} \times 82\% \times \$500 \times 365 = \$111.4 \text{ million} \\
 & \underline{\hspace{1cm}} \\
 & \$507.6 \text{ million}
 \end{aligned}$$

Couper CCGT Capital Cost

\$1,317 million

*L. Allyson Honaker
Honaker Law Office, PLLC
1795 Alysheba Way
Suite 1203
Lexington, KY 40509

*Jacob Watson
East Kentucky Power Cooperative, Inc.
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707

*Angela M Goad
Assistant Attorney General
Office of the Attorney General Office of Rate
700 Capitol Avenue
Suite 20
Frankfort, KY 40601-8204

*Jody Kyler Cohn
Boehm, Kurtz & Lowry
425 Walnut Street
Suite 2400
Cincinnati, OH 45202

*Ashley Wilmes
Kentucky Resources Council, Inc.
Post Office Box 1070
Frankfort, KY 40602

*John G Horne, II
Office of the Attorney General Office of Rate
700 Capitol Avenue
Suite 20
Frankfort, KY 40601-8204

*Byron Gary
Kentucky Resources Council, Inc.
Post Office Box 1070
Frankfort, KY 40602

*Lawrence W Cook
Assistant Attorney General
Office of the Attorney General Office of Rate
700 Capitol Avenue
Suite 20
Frankfort, KY 40601-8204

*Kentucky Resources Council, Inc.
Post Office Box 1070
Frankfort, KY 40602

*Michael West
Office of the Attorney General Office of Rate
700 Capitol Avenue
Suite 20
Frankfort, KY 40601-8204

*Greg Cecil
East Kentucky Power Cooperative, Inc.
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707

*Honorable Michael L Kurtz
Attorney at Law
Boehm, Kurtz & Lowry
425 Walnut Street
Suite 2400
Cincinnati, OH 45202

*Heather Temple
Honaker Law Office, PLLC
1795 Alysheba Way
Suite 1203
Lexington, KY 40509

*East Kentucky Power Cooperative, Inc.
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707