

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

THE APPLICATION OF EAST KENTUCKY)
POWER COOPERATIVE, INC. FOR APPROVAL)
TO AMEND ITS ENVIRONMENTAL)
COMPLIANCE PLAN AND RECOVER COSTS)
PURSUANT TO ITS ENVIRONMENTAL)
SURCHARGE, SETTLEMENT OF CERTAIN)
ASSET RETIREMENT OBLIGATIONS AND)
ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITYAND)
OTHER RELIEF)

CASE NO. 2017-00376

DIRECT TESTIMONY OF DON MOSIER
ON BEHALF OF EAST KENTUCKY POWER COOPERATIVE, INC.

Filed: November 20, 2017

1 **Q. Please state your name, business address, and occupation.**

2 A. My name is Don Mosier and my business address is East Kentucky Power
3 Cooperative, Inc. ("EKPC"), 4775 Lexington Road, Winchester, Kentucky 40391.
4 I am Executive Vice President and Chief Operating Officer at EKPC.

5 **Q. Please state your education and professional experience.**

6 A. I obtained my Bachelor of Science degree in civil engineering from the University
7 of Virginia and my Master of Business Administration degree from the Kenan-
8 Flagler Business School at the University of North Carolina. My professional
9 experience includes work at Carolina Power & Light (now Duke Energy Carolinas)
10 in Raleigh, North Carolina, developing merchant generation projects and marketing
11 activities, regulatory affairs, and nuclear power plant engineering and operations. I
12 also was an engineering manager of U.S. Operations for Canatom Corp., a Toronto-
13 based engineering firm that provides nuclear plant engineering and construction
14 services. Immediately prior to joining EKPC, I was Vice President of St. Louis-
15 based Ameren Energy Marketing ("AEM"), a subsidiary of Ameren Corp. At
16 AEM, I managed wholesale power trading, plant dispatch, North American Electric
17 Reliability Corporation and SERC compliance, transmission and congestion
18 management activities, and customer account management for Ameren
19 Corporation's unregulated merchant generation fleet located in the Midcontinent
20 ISO and PJM Interconnection, LLC ("PJM"), a Regional Transmission
21 Organization.

22 **Q. Please provide a brief description of your duties at EKPC.**

1 A. I manage the day-to-day operations of power production and construction, power
2 delivery, power supply, and system operations. I report directly to EKPC's
3 President and Chief Executive Officer, Mr. Anthony S. Campbell.

4 **Q. What is the purpose of your testimony in this proceeding?**

5 A. The purpose of my testimony is to support EKPC's application in this proceeding
6 by discussing EKPC's strategic goals, the relief it is seeking in this case; and the
7 overall advantages and benefits that this particular proposal offers for EKPC, its
8 Owner-Member Cooperatives ("owner-members") and their End-Use Retail
9 Members ("retail members").

10 **Q. Are you sponsoring any exhibits?**

11 A. No.

12 **Q. Can you please describe EKPC and its owner-members' system.**

13 A. EKPC is a not-for-profit, rural electric cooperative corporation established under
14 KRS Chapter 279 with its headquarters in Winchester, Kentucky. EKPC has
15 \$3.718 billion in assets and 696 employees. Our 2016 energy sales exceeded 12.6
16 million megawatt hours. We had total operating revenue in 2016 of \$887 million
17 and a net margin of \$54 million. Pursuant to various agreements, EKPC provides
18 electric generation capacity and electric energy to its sixteen owner-members: Big
19 Sandy RECC, Blue Grass Energy, Clark Energy, Cumberland Valley Electric,
20 Farmers RECC, Fleming-Mason Energy, Grayson RECC, Inter-County Energy,
21 Jackson Energy, Licking Valley RECC, Nolin RECC, Owen Electric, Salt River
22 Electric, Shelby Energy, South Kentucky RECC and Taylor County RECC. Those

1 owner-members in turn serve approximately 530,000 Kentucky homes, farms and
2 commercial and industrial establishments in eighty-seven (87) Kentucky counties.

3 In total, EKPC owns and operates a total of approximately 2,965 MW of
4 net summer generating capability and 3,267 MW of net winter generating
5 capability. EKPC owns and operates coal-fired generation at the John C. Cooper
6 Station in Pulaski County, Kentucky (341 MW) ("Cooper Station") and the Hugh
7 L. Spurlock Station in Mason County, Kentucky (1,346 MW) ("Spurlock Station").
8 EKPC also owns and operates natural-gas fired generation at the J. K. Smith Station
9 in Clark County, Kentucky (753 MW (summer)/989 MW (winter)) ("Smith
10 Station") and the Bluegrass Station in Oldham County, Kentucky (501 MW
11 (summer)/567 MW (winter)), and landfill gas-to-energy facilities in Boone County,
12 Laurel County, Greenup County, Hardin County, Pendleton County and Barren
13 County (16 MW total). In November 2017, EKPC added 8 MW of solar capacity
14 when its Community Solar facility came online at the company's headquarters in
15 Winchester, Kentucky. Finally, EKPC purchases hydropower from the
16 Southeastern Power Administration at Laurel Dam in Laurel County, Kentucky (70
17 MW), and the Cumberland River system of dams in Kentucky and Tennessee (100
18 MW). EKPC's record peak demand of 3,507 MW occurred on February 20, 2015.

19 EKPC also owns 2,940 circuit miles of high voltage transmission lines in
20 various voltages. EKPC also owns the substations necessary to support this
21 transmission line infrastructure. Currently, EKPC has seventy-four (74) free-
22 flowing interconnections with its neighboring utilities.

23 **Q. What is EKPC's mission?**

1 A. EKPC has a Mission Statement, which is this: "EKPC exists to serve its member-
2 owned cooperatives by safely delivering reliable and affordable energy and related
3 services." We seek to fulfill this Mission Statement by adhering to five core values:
4 safety, service, honesty and integrity, respect and teamwork.

5 **Q. Do you know whether EKPC has a strategic plan?**

6 A. Yes. EKPC's Board has developed a strategic plan that it reviews and updates
7 regularly. The current Strategic Plan was last updated in 2016 and includes eight
8 strategic objectives in the areas of: governance, people, financial integrity,
9 generation and transmission assets, rates and regulatory relations, communications
10 and public relations, economic development and cyber and physical security. The
11 Strategic Plan guides management in the day-to-day operations of the Company
12 while also providing a roadmap for what we hope to accomplish over the long-term.
13 The Strategic Plan was instrumental in helping us identify and develop the best
14 possible solution to the challenges presented by the Disposal of Coal Combustion
15 Residuals ("CCR") from Electric Utilities Rule ("CCR Rule"), the Effluent
16 Limitation Guidelines and Standards for the Steam Electric Power Generating Point
17 Source Category ("ELG Rule") and state environmental regulations.

18 **Q. How has EKPC's Strategic Plan assisted the Board and management develop
19 this particular solution?**

20 A. First, EKPC has stated that one of its strategic objectives is to "provide leadership
21 and vision to identify, exercise due diligence and recommend...supply resources
22 that diversify the portfolio via increased reliance on natural gas, viable renewable
23 resources, distributed generation and bilateral market purchases." At the same

1 time, we also have a strategic objective to “maximize returns on capital investments
2 and mitigate exposure to stranded costs to limit impact on system reliability and
3 exposure to future regulatory changes.” I can give you two examples from our
4 recent history to illustrate how these strategic objectives are implemented in real
5 life.

6 In 2016, we were forced to retire the Dale Station as a coal-fired electric
7 generating station due to the impacts of the Mercury Air Toxics Standards Rule
8 (“MATS”). The retirement of the four units at the Dale Station resulted in a loss of
9 200 megawatts (MW) of electric generating capacity. After a lengthy process, we
10 were able to secure 567 MW of new winter capacity by acquiring the Bluegrass
11 Station near LaGrange, Kentucky. As the Commission is aware, one-third of the
12 Bluegrass Station’s capacity is currently subject to a tolling agreement with the
13 Louisville Gas & Electric Company. The Bluegrass Station acquisition represented
14 a shift in EKPC’s generation portfolio away from coal towards natural gas, but it
15 also allowed us to maximize our peak diversity within PJM. It was a good business
16 transaction that achieved value for our owner-members while also advancing the
17 Board’s efforts to diversify our generation portfolio.

18 Prior to the Bluegrass Station acquisition, however, we were confronted
19 with the question of what to do at the Cooper Station in light of the MATS
20 requirements. In that situation, the most prudent course of action was to tie the
21 older Cooper 1 into the existing air quality control system serving Cooper 2. By
22 doing this, EKPC was able to preserve a valuable, existing coal-fired generation
23 resource at a very favorable price.

1 The lesson from these two prior situations is that EKPC's strategic objective
2 to diversify its fleet while mitigating the risk of stranded assets are not mutually
3 exclusive options. Sometimes it makes sense to make additional investments in the
4 coal-fired generation that we already have in place. Other times, diversification is
5 the better option. EKPC's Strategic Plan is flexible enough to not rigidly dictate
6 any particular outcome which may or may not be in the best interest of our owner-
7 members. As you come to understand the options in play when EKPC considered
8 how to best comply with the CCR Rule and ELG Rule, you see that the proposed
9 Environmental Compliance Plan ("Compliance Plan") amendment falls perfectly
10 within the scope of what the Board is trying to accomplish strategically.

11 **Q. With that in mind, please generally describe what EKPC is seeking in this**
12 **proceeding.**

13 A. EKPC is asking for several things. First, EKPC is requesting the Commission to
14 authorize an amendment to the Company's Compliance Plan. The amendment will
15 add a project that is necessary to comply with the CCR Rule and ELG Rule. I will
16 refer to this as the CCR/ELG Project from now on. Second, EKPC is asking for a
17 Certificate of Public Convenience and Necessity ("CPCN") for the CCR/ELG
18 Project. Third, EKPC is asking the Commission to allow it to recover the costs of
19 the CCR/ELG Project through its environmental surcharge mechanism, pursuant to
20 KRS 278.183. Fourth, EKPC is seeking the Commission's approval to settle certain
21 Asset Retirement Obligations associated with its existing coal ash pond at the Hugh
22 L. Spurlock Station ("Spurlock Station") as part of the recovery of the cost of the
23 CCR/ELG Project through the environmental surcharge mechanism. Finally, to the

1 extent that any other relief might be necessary to accomplish these four objectives,
2 EKPC seeks such authorization from the Commission.

3 **Q. Before we get into those topics, let me ask you some questions to help**
4 **understand the legal authorities that have led EKPC to seek approval to**
5 **amend its Environmental Compliance Plan. First, what is the CCR Rule?**

6 A. Mr. Purvis provides a much more detailed description of the CCR Rule in his
7 testimony, but I would broadly describe CCRs as being the residual material that is
8 left over from the consumption of coal in the process of generating electricity. The
9 CCR Rule is a federal environmental rule that severely restricts the way in which
10 CCR from a coal-fired electric generation unit must be handled and dispersed.

11 **Q. What is the ELG Rule?**

12 A. Similar to the CCR Rule, the ELG Rule also arises from the combustion of coal in
13 the process of generating electricity. Broadly speaking, the ELG Rule is a different
14 federal environmental rule that applies to effluents from coal-fired generation units.
15 As with the CCR Rule, the ELG Rule places very strict limitations on the effluent
16 byproducts associated with coal-fired generation. Mr. Purvis also elaborates on the
17 ELG Rule in his testimony.

18 **Q. Is there any chance that the CCR Rule or the ELG Rule will somehow be**
19 **replaced, repealed or superseded?**

20 A. It is very unlikely that anything will happen to diminish the impact of the CCR
21 Rule. By now, most all utilities, including EKPC, have already begun making
22 investments to comply with the CCR Rule and there is nothing coming from the
23 courts or the EPA to suggest that the CCR Rule will go away. In fact the EPA has

1 not indicated that there will be any relief in the compliance and reporting deadlines
2 that commenced on October 17, 2017. The status of the ELG Rule is a little less
3 settled. Although the ELG Rule is in full effect, the change in administrations in
4 Washington has caused the EPA to reconsider portions of the ELG Rule. It is
5 unclear what effect this will have, if any, upon future effluent limitation guidelines
6 for coal-fired generation units. Unfortunately, however, the EPA's most recent
7 action has not suspended the compliance deadlines for the ELG Rule. So, EKPC
8 must move forward with its compliance plan right now. We cannot just sit back
9 and hope that the ELG Rule goes away.

10 **Q. What would happen if the EPA eventually decided to withdraw or vacate the**
11 **ELG Rule?**

12 A. If the EPA eventually withdrew or vacated the ELG Rule, EKPC would still be
13 faced with more stringent effluent limitations coming from the Kentucky Energy
14 Cabinet Department of Environmental Protection's Division of Water ("KDOW").
15 Again, Mr. Purvis discusses these obligations in more depth in his testimony, but
16 the bottom line is that effluents from coal-fired generation stations are becoming
17 more strictly regulated by both the federal government and state authorities. Thus,
18 even if the ELG Rule were to be withdrawn or vacated, the portion of the CCR/ELG
19 Project related to effluent management would still be needed to comply with
20 regional and state mandates.

21 **Q. Can you describe the deliberative process that EKPC undertook when**
22 **considering how to best comply with the CCR Rule, the ELG Rule and the**
23 **KDOW's anticipated requirements?**

1 A. EKPC's Board and management have invested considerable time and attention to
2 the scope and depth of the CCR Rule and ELG Rule and its impact upon the
3 company. Once the initial drafts of the CCR Rule and ELG Rule were published,
4 EKPC staff began evaluating the potential fleet impacts of pending environmental
5 regulations for CCR and ELG, and started communicating on a regular basis with
6 the EKPC Board regarding the emergence of the rules and the status of the
7 evaluation. Additionally, a cross-functional team of internal and external attorneys
8 and engineers were engaged to evaluate and assess strategies and site specific
9 options for meeting the combined CCR Rule, ELG Rule and KDOW's
10 requirements in their preliminary forms. That work continued and the team closely
11 monitored the federal rulemaking process until the rules were issued in final form
12 and went into effect. The EKPC Board was informed regularly regarding the
13 details of the rulemaking, and development of potential actions that might become
14 necessary for compliance. A preferred plan emerged, alternatives were evaluated,
15 and discussions for a path forward began with the Board in 2016. A Project
16 Scoping Report to develop the preferred CCR Rule & ELG Rule compliance project
17 – which includes preliminary designs, a schedule, and a cost estimate – was
18 developed and used as the basis for comparison with alternatives. The final
19 recommendation was presented to the Board in February of 2017.

20 Moreover, as part of that due diligence, EKPC obtained a report from
21 Navigant Consulting that described the economic value of the Spurlock Station on
22 a forward basis over a twenty (20) year term. The report concluded that Spurlock
23 1 and Spurlock 2 offered substantial value for EKPC over the long-term as coal-

1 fired units, particularly in the base scenario and scenarios where fuel prices were
2 greater than the base scenario or load growth was less than expected. This helped
3 solidify our understanding that keeping the Spurlock 1 and Spurlock 2 assets
4 operational was the best long-term option for EKPC.

5 Following a deliberative process covering several years and allowing for
6 the maximum possible time to understand the rules and to assess the likelihood of
7 them actually being implemented, the EKPC Board directed management to pursue
8 the Compliance Plan that presented the reasonable, least-cost option in September
9 2017.

10 **Q. Did EKPC consider any other options for complying with the CCR Rule and**
11 **the ELG Rule other than CCR/ELG Project being proposed in this**
12 **proceeding?**

13 **A.** Yes. EKPC considered several other options. These are described in greater detail
14 by Mr. Johnson in his testimony, but I would identify them here as follows:

- 15 • Converting Spurlock 1 and Spurlock 2 to natural gas-fired units;
- 16 • Retiring Spurlock 1 and Spurlock 2 and replacing that lost capacity with a new
17 600 MW combined cycle natural gas unit at the Smith Station while also
18 purchasing 200 MW of power from the wholesale market through a bilateral
19 power purchase agreement.
- 20 • Retiring Spurlock 1 and Spurlock 2 and replacing them with a long term market
21 purchase of 800 MW of capacity and energy.
- 22 • Demolishing the wet scrubbers serving Spurlock 1 and Spurlock 2 and replacing
23 them with a new dry-scrubber system.

1 As elaborated upon by Mr. Johnson and Ms. Hayes, none of these options was less
2 expensive than the CCR/ELG Project and all of them carried unique risks. In
3 addition, EKPC would incur significant stranded investment under these scenarios.

4 **Q. In Case No. 2008-00408,¹ the Commission mandated that every utility should**
5 **consider whether energy efficiency offered a viable alternative to constructing**
6 **new generation assets. Did EKPC consider whether energy efficiency could be**
7 **a means to achieving compliance with the CCR Rule and ELG Rule?**

8 A. Yes. However, there is no conceivable way that energy efficiency could offset the
9 loss of over 800 MW of baseload capacity and energy at Spurlock 1 and Spurlock
10 2. EKPC is committed to cost-effective energy efficiency and has developed
11 several tariffs to promote it as part of its portfolio of demand side management
12 tariffs, but energy efficiency is not a realistic method for replacing large generation
13 units despite the Commission's mandate in Case No. 2008-00408. Likewise, there
14 is no conceivable way to cover the potential loss of Spurlock 1 and Spurlock 2 with
15 renewable resources. Solar, wind and landfill gas generation resources are all
16 considered to be intermittent capacity. It would be imprudent to replace reliable
17 baseload generation with intermittent capacity. Thus, neither energy efficiency nor
18 renewable capacity offered EKPC a viable alternative for compliance with the CCR
19 Rule or ELG Rule.

20 **Q. What is involved in the construction of the CCR/ELG Project?**

¹ See *In the Matter of Consideration of the New Federal Standards of the Energy Independence and Security Act of 2007*, Rehearing Order, Case No. 2008-00408, p. 10 (Ky. P.S.C. July 24, 2012)

- 1 A. Mr. Johnson provides a greater description of the CCR/ELG Project in his
2 testimony, but, broadly speaking, the CCR/ELG Project involves six major
3 components, which are as follows:
- 4 • Bottom Ash Handling System – EKPC will convert the existing bottom ash
5 system from a wet sluicing system to a new dry ash system on Spurlock 1 and
6 Spurlock 2. In addition, a separate pyrites handling system with dewatering
7 bins and settling basin will be installed.
 - 8 • Wastewater Treatment System – EKPC will construct a new wastewater
9 treatment plant to process flue gas desulfurization (“FGD”) wastewater and
10 blowdown from Spurlock 1 and Spurlock 2. The wastewater treatment plant
11 will provide a physical/chemical treatment of the FGD blowdown and utilize
12 an Optimized Mechanical Vapor Compression (“MVC”) System that
13 incorporates falling film evaporators (“FFE”) designed for a flow of 240 gallons
14 per minute (“GPM”). To accommodate excess wastewater flow, an additional
15 160 GPM of FGD wastewater will be consumed by ash mixing in the existing
16 fly ash silos and by dry scrubber evaporation in the Gilbert Unit and Spurlock
17 4.
 - 18 • Fly Ash Handling System – EKPC will construct a new fly ash storage silo and
19 replace the existing transfer building with equipment to handle fly ash from
20 Spurlock 1 and Spurlock 2. This addition is necessary to assure redundancy for
21 ash removal since sluicing to the ash pond will no longer be available.
 - 22 • Balance of Plant Systems – EKPC will install new piping, controls,
23 instrumentation, electrical and mechanical equipment with the CCR/ELG

1 Project that are necessary to operate these new systems. As part of this work,
2 EKPC will construct two new Power Control Module (“PCM”) buildings as
3 well as new 13,800 / 480 V station service transformers. The power feed from
4 the switchyard to the MVC system will be made via new 138 kV / 13.8kV low
5 resistance grounded transformers.

6 • Ash Pond Closure – EKPC’s strategy is to identify, plan, permit and provide
7 enough landfill space to meet end-of-life needs for the plant facility. As part of
8 the ash pond impoundment closure, EKPC estimates that it will remove
9 approximately 1.75 million cubic yards of CCR material from the existing
10 sixty-seven (67) acre surface impoundment, which coincidentally represents
11 approximately one year’s ash production for normal operation at the Spurlock
12 Station. CCR materials will be removed and placed in the Spurlock Station
13 CCR Landfill. EKPC is in the process of permitting additional space adjacent
14 to the existing landfill. Permitting this additional space will provide enough
15 waste boundary for Spurlock Station to reach its end of life. To close the ash
16 pond impoundment, CCR materials will be removed, the existing dams will be
17 left in place, new topsoil and seed will be applied over disturbed areas, and a
18 new water mass balance pond will be established within the footprint of the
19 original pond. Upon the completion of the CCR removal, the Spurlock Station
20 ash pond impoundment will be considered “clean-closed by removal.”

21 • Water Mass Balance Pond Chemical Treatment System – EKPC will repurpose
22 seventeen (17) acres of the existing surface impoundment as a new Water Mass
23 Balance (“WMB”) Pond. The WMB Pond will aid in settling constituents from

1 various plant process flows including the coal pile runoff stream, neutralization
2 basins, clarifiers and air heater wash wastewater, non-chemical metal cleaning
3 wastes and storm water to meet proposed discharge requirements. The WMB
4 Pond will include a chemical treatment system to regulate pond pH, alkalinity,
5 and total suspended solids and assist in the removal of iron and other chemical
6 constituents ahead of discharging into the Ohio River pursuant to EKPC's
7 Kentucky Pollutant Discharge Elimination System permit application.

8 **Q. How will the CCR/ELG Project be implemented, if approved?**

9 A. We have designed the CCR/ELG Project to be implemented in a way that causes
10 the least possible disruption to the overall operation of the Spurlock Station. The
11 schedule is designed to allow EKPC to timely comply with the CCR Rule and ELG
12 Rule while taking into account several factors such as the long lead times associated
13 with equipment orders for critical CCR/ELG Project components, the need to
14 coordinate construction activities with planned unit outages and the time required
15 to secure necessary regulatory approvals.

16 **Q. How will the CCR/ELG Project be financed?**

17 A. Mr. Stachnik provides a more detailed response to this question, but the short
18 answer is that we primarily intend to use financing available from the Rural Utilities
19 Service, which is available under our existing Trust Indenture, to provide the long-
20 term financing for the CCR/ELG Project. Short-term financing necessary for
21 construction will be available under our existing Credit Facility.

22 **Q. What benefits to EKPC and its owner-members are associated with developing**
23 **the CCR/ELG Project that is described in the Application?**

1 A. EKPC has identified at least eleven distinct benefits that will accrue to it and its
2 owner-members as a result of pursuing the CCR/ELG Project. First, EKPC will be
3 able to retain 810 MW of existing, reliable, low-cost baseload generation capacity
4 to supply the capacity and energy needs of its owner-members. The value of this
5 cannot be understated. Preserving a known, existing resource eliminates a
6 considerable amount of risk for EKPC going forward when compared to developing
7 a new resource. Second, EKPC will be limiting the amount of stranded assets that
8 would be required to be paid for by the owner-members and their retail members
9 through rates by enabling existing utility plant to remain used and useful throughout
10 its design life. Third, the CCR/ELG Project will have a broader impact upon the
11 region by allowing EKPC to retain a significant source of coal-fired generation.
12 This will have the effect of supporting the coal industry which has been hit hard in
13 recent years. Fourth, the CCR/ELG Project presents the most reasonable, least-cost
14 method for complying with the CCR Rule and the ELG Rule. Fifth, EKPC will be
15 well-positioned to continue reaping the benefits from its ability to bid capacity and
16 energy into the PJM wholesale markets. If EKPC was forced to retire Spurlock 1
17 and Spurlock 2, it would lose its status as a net generator in PJM and would lose
18 the value of having peak diversity within the PJM markets. This solution allows us
19 to preserve and maximize the value that EKPC receives from its membership in
20 PJM. Sixth, the CCR/ELG Project furthers EKPC's efforts to provide reliable, safe,
21 adequate and reasonable service to its owner-members at rates that are fair, just and
22 reasonable. Seventh, it is desirable to remove a significant coal ash impoundment
23 from a location that is adjacent to one of the largest rivers in North America and

1 within the 100-year flood plain. There are some obvious and prudent
2 environmental benefits to this proposal. Eighth, EKPC is preserving its ability to
3 comply with future environmental regulations that may be imposed by the EPA,
4 the KDOW, the Ohio River Valley Water Sanitation Commission ("ORSANCO")
5 or other authorities. This allows us to keep continued operation of the Spurlock
6 Station as a valuable option for complying with any future environmental rules that
7 come into being in the years ahead. Ninth, EKPC will not be interrupting the
8 operations of International Paper or cause that customer to have to make significant
9 capital investments to generate its own steam. This outcome is consistent with the
10 cooperative values that place a great emphasis on meeting our customers' needs
11 while also doing what is within our power to assist one of the largest employers in
12 Mason County stay viable and competitive. Tenth, EKPC is assuring that it
13 continues to have adequate generation assets to satisfy load requirements, which
14 the Commission has singled out in a prior case as being an important objective.
15 EKPC agrees that having physical assets in place to meet its native power demand
16 is an important hedge against market volatility. Finally, EKPC is fulfilling its
17 strategic objective to maintain a reliable coal-fired electric generation fleet. By any
18 objective standard, the CCR/ELG Project that EKPC is proposing is a good solution
19 and should be approved.

20 **Q. Why is the CCR/ELG Project needed?**

21 A. As described in the Application, in the testimony of EKPC's other witnesses and
22 in my own testimony above, EKPC has no other option but to comply with the CCR
23 Rule and the ELG Rule. Moreover, we must be cognizant of whatever state

1 environmental requirements that may come down from the KDOW. EKPC looked
2 at several options for how best to achieve compliance in light of the Board's
3 strategic plan and we have identified a plan that is sound, reasonable and doable.
4 While the investment is significant, it is the reasonable, least cost option for meeting
5 the ever-growing demands imposed by the federal and state regulators. Without
6 the CCR/ELG Project moving forward, EKPC would be faced with options that are
7 more expensive and less beneficial.

8 **Q. Will the project result in wasteful duplication of facilities?**

9 A. No. In fact, the CCR/ELG Project prevents the wasteful duplication of facilities.
10 EKPC has made considerable investments in the Spurlock Station over the years.
11 Walking away from that investment in Spurlock 1 and Spurlock 2 would result in
12 EKPC having to spend hundreds of millions of dollars in new capital to replace
13 assets that have many, many years of operations still available. Although the
14 investment of \$262.4 million in the Spurlock Station is itself substantial, it pales in
15 comparison to what would have been required to pursue other options. Moreover,
16 the CCR/ELG Project helps assure that EKPC's owner-members and their retail
17 members are able to recognize and achieve the full value of the investments they
18 have already made in the Spurlock Station through rates by minimizing the amount
19 of stranded assets. For these reasons, the CCR/ELG Project avoids wasteful
20 duplication and would satisfy that component of the Commission's inquiry as to
21 whether a CPCN should be granted.

22 **Q. Has EKPC provided its customers with the requisite notice of its filing?**

1 A. Yes, EKPC filed its notice of intent as to the filing of this Application on September
2 15, 2017 and has provided the requisite notice of its filing to its owner-members as
3 well. Copies of these notices are attached to the Application as Exhibits E and F
4 respectively.

5 **Q. Please summarize your testimony.**

6 A. The CCR/ELG Project is a prudent solution to EKPC's need to comply with the
7 CCR Rule and the ELG Rule. It helps EKPC achieve several specific strategic
8 objectives and it offers a host of benefits and advantages to EKPC, its owner-
9 members and their retail members. The CCR/ELG Project is needed and will not
10 result in wasteful duplication. Accordingly, on behalf of the Company, I would
11 respectfully ask the Commission to approve the amendment to EKPC's Compliance
12 Plan, issue a CPCN for the CCR/ELG Project, approve cost recovery of the
13 CCR/ELG Project through EKPC's environmental surcharge mechanism, and
14 allow EKPC to settle the ARO and corresponding regulatory asset associated with
15 the Spurlock Station ash pond as part of the completion of the CCR/ELG Project.

16 **Q. Does this conclude your testimony?**

17 A. Yes.

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VERIFICATION OF DON MOSIER, P.E.

COMMONWEALTH OF KENTUCKY)
COUNTY OF CLARK)

Don Mosier, P.E., Executive Vice President and Chief Operating Officer at East Kentucky Power Cooperative, Inc., being duly sworn, states that he has read the foregoing prepared direct testimony and that he would respond in the same manner to the questions if so asked upon taking the stand, and that the matters and things set forth therein are true and correct to the best of his knowledge, information and belief.

Don Mosier
Don Mosier, P.E.

The foregoing Verification was signed, acknowledged and sworn to before me this 20th day of November, 2017 by Don Mosier.

Gwyn M. Willoughby
NOTARY PUBLIC

Commission No. 500144

My Commission Expires: 11/30/17

