

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN ELECTRONIC EXAMINATION OF THE)	
APPLICATION OF THE FUEL ADJUSTMENT)	
CLAUSE OF KENTUCKY POWER COMPANY)	Case No. 2025-00338
FROM NOVEMBER 1, 2022 THROUGH)	
OCTOBER 31, 2024)	

DIRECT TESTIMONY OF
JOSHUA D. SNODGRASS
ON BEHALF OF KENTUCKY POWER COMPANY

**DIRECT TESTIMONY OF
JOSHUA D. SNODGRASS ON BEHALF OF
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I. INTRODUCTION

1 **Q. PLEASE STATE YOUR NAME, POSITION AND BUSINESS ADDRESS.**

2 A. My name is Joshua D. Snodgrass. My business address is 8999 Energy Road, Moundsville,
3 West Virginia 26041. I am the Plant Manager of the Mitchell Generating Station
4 ("Mitchell", "Mitchell Plant", or the "Plant").

II. BACKGROUND

5 **Q. PLEASE SUMMARIZE YOUR EDUCATIONAL AND PROFESSIONAL**
6 **BACKGROUND.**

7 A. I received a Bachelor's degree in Accounting from Marshall University. I have been
8 employed by various American Electric Power affiliates for over 19 years, working at
9 several different generating plants including Kanawha River, Big Sandy, John Amos, and
10 Mitchell. I have held positions of increasing responsibility including Administrative
11 Supervisor, Frontline Crew Supervisor, System Owner, and Operations Superintendent. I
12 started at the Mitchell Plant as an Operations Superintendent and was promoted to Plant
13 Manager in 2024.

14 **Q. WHAT ARE YOUR PRINCIPAL AREAS OF RESPONSIBILITY WITH**
15 **KENTUCKY POWER?**

16 A. I am responsible for the safe, reliable, environmentally compliant, and economic operation
17 of the Mitchell Plant. Specifically, I oversee and coordinate Plant activities, including
18 operations, maintenance, engineering, and construction. I ensure the Mitchell Plant

operates within all environmental requirements and am also responsible for the Plant budget. I am the key interface between AEPSC, Kentucky Power Company (“Kentucky Power”), and Wheeling Power Company (“Wheeling Power”) to ensure the needs of the Mitchell Plant and the customers we serve are met.

Q. HAVE YOU PREVIOUSLY TESTIFIED IN ANY REGULATORY PROCEEDINGS?

A. Yes. I have previously testified before the Public Service Commission of Kentucky ("Commission") in Kentucky Power's Mitchell ELG CPCN hearing (Case No. 2025-00175).

III. PURPOSE OF TESTIMONY

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

A. My testimony lists and describes any Planned or Maintenance Outages that lasted longer than the original estimated end time from November 1, 2022 through October 31, 2024 (“Review Period”). Further, I will discuss the actions taken to address and remedy the factors that extended the outages, and to minimize each extension duration.

IV. MITCHELL PLANT EXTENDED PLANNED AND MAINTENANCE OUTAGES

Q. PLEASE DESCRIBE KENTUCKY POWER’S PRACTICES GENERALLY WITH RESPECT TO OPERATING AND MAINTAINING THE MITCHELL PLANT.

A. The Company utilizes a robust inspection and Circular Letter Program established by American Electric Power’s Corporate Engineering Group. The Circular Letter Program is a very detailed, written set of requirements and recommendations for how to operate and maintain each generating unit focusing on critical equipment. Each generating plant strongly adheres to the Circular Letter Program and is audited to ensure adherence. The

Circular Letter Program, for example, spells out required inspection and replacement intervals for critical equipment based on industry standards, Original Equipment Manufacturer's recommendations, past experience, and expertise. This enables the generating plants to plan several years in advance for planned outage scopes to maintain or improve generating unit availability.

The Company's inspection and maintenance practices allow for not only known issues to be addressed and resolved, but also for discovery of potential issues not previously known. The nature of the operation of generating units brings occasional mechanical issues and the sooner the issues are discovered the better the Company can resolve them in a timely manner.

Q. PLEASE EXPLAIN THE DIFFERENT TYPES OF OUTAGES OR REASONS THAT MAY RESULT IN A UNIT NOT RUNNING.

A. Below are the types of outages that a generating unit can experience:

- A Planned Outage is an outage lasting several weeks to perform work on major equipment groups that is not promptly required for the safe operation of the unit. Planned Outages are scheduled approximately a year in advance and the dates of the Planned Outages are approved by PJM.
- In a Reserve Shutdown Outage the unit is available for generation, but it is placed in stand-by status by PJM because the generation is not needed on the grid at that time.
- Maintenance Outages are shorter in duration (four to ten days) than Planned Outages and involve emerging issues that typically must be addressed before the next Planned Outage.
- A Forced Outage is an unplanned outage needed to address an immediate operational or safety concern at the generation facility. Forced Outages typically last from a few hours to several days depending on the situation.

Planned Outages and Maintenance Outages are required to maintain the generating units to ensure the units operate safely, efficiently and prevent issues from causing forced outages or de-rates during times when the units are economic.

Q. PLEASE LIST THE PLANNED OR MAINTENANCE OUTAGES THAT WERE EXTENDED BEYOND THE ORIGINAL ESTIMATED END DATE DURING THE REVIEW PERIOD.

A. Mitchell Plant had two Planned and zero Maintenance Outages that were extended beyond the original estimated end date during the Review Period. They are listed in Table JDS-1 below with the original planned dates and the actual dates after the extension.

**Table JDS-1
Mitchell Maintenance & Planned Outages Extended During Reporting Period**

Outage Number	Unit	Outage Type	Planned Start Date	Planned End Date	Original Outage Length (Days)	Actual Start Date	Actual End Date	Actual Outage Length (Days)
1	Mitchell 1	Planned	9/9/23	12/4/23	86	9/9/23	12/6/23	89
2	Mitchell 2	Planned	3/23/24	4/29/24	37	4/6/24	5/21/24	46

Q. PLEASE DESCRIBE THE REASON OUTAGE NUMBER 1 WAS EXTENDED IN TABLE JDS-1 ABOVE AND WHAT WAS DONE TO ADDRESS THE EXTENSION?

A. This planned outage was performed to replace the high pressure and reheat turbine rotor, replace the low pressure “A” turbine rotor, and inspect and repair the Unit 1 cooling tower, air heater baskets, and boiler feed pump stop and control valves. The outage extended beyond the scheduled completion date after startup issues were encountered: the additional three days was needed to execute a turbine balancing program and to conduct mandatory electrical and mechanical overspeed testing on the replacement turbines.

1 **Q. PLEASE DESCRIBE THE REASON OUTAGE NUMBER 2 WAS EXTENDED IN**
2 **TABLE JDS-1 ABOVE AND WHAT WAS DONE TO ADDRESS THE**
3 **EXTENSION?**

4 A. The Planned Outage was conducted to inspect and repair the steam generator, coal silos,
5 perform NERC relay testing, and complete various additional equipment inspections.
6 Originally scheduled to begin on March 23, 2024, the start was delayed to April 6, 2024,
7 due to Mitchell Unit 1 being offline. Specifically, the delay allowed the plant to avoid
8 operational and market risks associated with both units being offline at the same time.
9 During a United Dynamic Corporation, nondestructive examination of the steam generator
10 internals, additional boiler tubes were prioritized and repaired to prevent additional tube
11 leakage in the future. These repairs extended the outage by an additional nine days beyond
12 the original 37-day plan.

V. CONCLUSION

13 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

14 A. Yes, it does.

VERIFICATION

The undersigned, Joshua D. Snodgrass, being duly sworn, deposes and says he is the Mitchell Plant Manager, that he has personal knowledge of the matters set forth in the foregoing testimony and the information contained therein is true and correct to the best of his information, knowledge, and belief after reasonable inquiry.

Signed by:

Joshua D. Snodgrass

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Joshua D. Snodgrass

Commonwealth of Kentucky)

)

County of Boyd)

Case No. 2025-00338

Subscribed and sworn to before me, a Notary Public in and before said County
and State, by Joshua D. Snodgrass, on 1/20/2026 | 7:05 AM EST.

Signed by:

Michelle Caldwell

EBB1BC7AC31E421

Notary Public

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
COMMONWEALTH OF KENTUCKY
Commission #KYNP71841
My Commission Expires 5/5/2027

My Commission Expires May 5, 2027

Notary ID Number KYNP71841