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Exhibit No. 28

Evergy Missouri Metro – Exhibit 28
Rebuttal Testimony of Robert Hollinsworth
Case No. ER-2026-0143

Exhibit No.:
Issue: Generation Asset Retirement
Witness: Robert Hollinsworth
Type of Exhibit: Rebuttal Testimony
Sponsoring Party: Evergy Missouri Metro
Case No.: ER-2026-0143
Date Testimony Prepared: August 11, 2026

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. ER-2026-0143

REBUTTAL TESTIMONY

OF

ROBERT HOLLINSWORTH

ON BEHALF OF

EVERGY MISSOURI METRO

Kansas City, Missouri
August 2026

REBUTTAL TESTIMONY

OF

ROBERT HOLLINSWORTH

CASE NO. ER-2026-0143

Q. Please state your name and business address.

A. My name is Robert Hollinsworth. My business address is 26486 E. 2200 Road, La Cygne, Kansas.

Q. By whom and in what capacity are you employed?

A. I am employed by Evergy Kansas Central, Inc. and serve as Senior Director Generation for Evergy Kansas Central, Inc. d/b/a as Evergy Missouri Metro ("Evergy Missouri Metro," "EMM," or the "Company"), Evergy Missouri West, Inc. d/b/a Evergy Missouri West ("Evergy Missouri West"), Evergy Metro, Inc. d/b/a Evergy Kansas Metro ("Evergy Kansas Metro"), and Evergy Kansas Central, Inc. and Evergy South, Inc., collectively d/b/a as Evergy Kansas Central ("Evergy Kansas Central") the operating utilities of Evergy, Inc. ("Evergy").

Q. On whose behalf are you testifying?

A. I am testifying on behalf of Evergy Missouri Metro.

Q. What are your responsibilities?

A. I currently manage La Cygne and Hawthorn Generating Stations.

Q. Please describe your education, experience, and employment history.

A. I hold a BS in Mechanical Engineering from Missouri Science and Technology and a MS in Engineering Management from Missouri Science and Technology. I have been

employed by Evergy for 20 years holding numerous positions in engineering and maintenance and operations.

Q. Have you previously testified in a proceeding at the Missouri Public Service Commission ("MPSC" or "Commission") or before any other utility regulatory agency?

A. No.

Q. What is the purpose of your testimony?

A. The purpose of my rebuttal testimony is to respond to Staff witness Young's assertion that certain generation assets were retired before the end of their average book life. See the Rebuttal testimony of Ron Klote, Ryan Mulvany, and Darrin Ives for additional information to rebut Staff's adjustment.

Q. Do you agree with Staff's characterization of these projects as improper early retirements?

A. No. There are many factors that drive the need to replace infrastructure. Below I explain examples from Staff Data Request No. 191 to illustrate the types of operational factors that can drive replacement before the end of the *average asset group* useful life.

- **Boiler superheater sections retired due to recurring material failures (Iatan Unit 2, Work Order 10001198; La Cygne Unit 2, Work Order 10002398; and Hawthorn Unit 5, Work Order 10002198).** The largest dollar amount of retirements on Staff's list involves major boiler heating sections, known as superheaters, which were retired because of recurring material failures in their tubes that could not be resolved through continued monitoring or repair. At Iatan Unit 2, two of these sections, both installed in 2010, experienced a recurring condition in

which internal scale formed inside the tubes and flaked off, restricting steam flow and causing the tubes to overheat and fail. Each failure forced the unit offline — in some instances for as long as three weeks, and for nearly five consecutive weeks in early 2013. The Company and the boiler's original manufacturer agreed that the resulting loss of unit availability was unacceptable, and because the underlying condition could not be corrected by maintaining the existing tubes, replacement of the sections was the only durable solution. These sections were therefore retired because of recurring material failures, not because of their age.

The La Cygne Unit 2 secondary superheater (SSH) outlet bank was retired for the same reason: Approximately eight months after being installed the Unit 2 SSH Outlet banks experienced a large and widespread exfoliation event from the stainless-steel tubing which led to numerous blocked and overheated circuits and resulted in nine separate forced outages. Inspection testing indicated that roughly 15% of its tubes were projected to reach the end of their service life far earlier than would be expected for their age.

Hawthorn Unit 5's superheater outlet tubes were replaced due to high temperature creep: its tubes were failing after extended service in the high-temperatures common in the final stage of boiler superheaters. Inspection testing identified a number of tubes with little to no remaining service life, confirming that the section was reaching the end of its usable life and would continue to fail if left in service. In each of these cases, the equipment was retired because it was experiencing recurring failures that testing confirmed would continue, which is precisely why it could not remain in service to reach the average useful life.

- **Equipment retired because its condition no longer supported safe and reliable operation (Hawthorn Unit 6, Work Order 10002711; and Hawthorn Unit 5, Work Order 10001681).** A second group of equipment was retired because the condition had reached a point where continued operation would have created a significant risk of a larger and more costly failure. In the Hawthorn Unit 6 gas turbine, the blades and vanes located in the hottest section of the machine gradually degrade under extreme heat and reach a required replacement point measured by hours of operation. They must be retired at that point, rather than operated longer, because a degraded blade can become dislodged during operation; if that occurs, it causes extensive damage to the surrounding turbine components and can remove the unit from service for up to two years while replacement parts are manufactured. These components were therefore retired specifically to prevent a catastrophic in-service failure, not as a discretionary upgrade.

  In a related project, the coal-grinding equipment on Hawthorn Unit 5 was approaching the end of its service life and could no longer consistently process the coal to the fineness required for proper combustion, which was affecting unit performance; it was retired and replaced because it could no longer perform reliably and would have required replacement in the near future in any event since the equipment was nearing its end of useful life. In both cases, the basis for retirement was the condition of the equipment and the risk associated with continued operation, not its age on the accounting records.

Q. Does that conclude your testimony?

A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of Evergy Metro, Inc. d/b/a Evergy Missouri Metro's Request for Authority to Implement A General Rate Increase for Electric Service	))))	Case No. ER-2026-0143

AFFIDAVIT OF ROBERT HOLLINSWORTH

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

Robert Hollinsworth, being first duly sworn on his oath, states:

1. My name is Robert Hollinsworth. I work in La Cygne, Kansas and I am employed by Evergy Kansas Central, Inc. as Senior Director Generation.

2. Attached hereto and made a part hereof for all purposes is my Rebuttal Testimony on behalf of Evergy Missouri Metro consisting of four (4) pages, having been prepared in written form for introduction into evidence in the above-captioned docket.

3. I have knowledge of the matters set forth therein. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded, including any attachments thereto, are true and accurate to the best of my knowledge, information and belief.

Robert Hollinsworth

Subscribed and sworn before me this 11th day of August 2026.

Notary Public

My commission expires: April 26, 2029

ANTHONY R WESTENKIRCHNER
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
MY COMMISSION EXPIRES APRIL 26, 2029
PLATTE COUNTY
COMMISSION #17279952