

Exhibit No.:
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Witness: *Andrew Harris*
Sponsoring Party: *MoPSC Staff*
Type of Exhibit: *Surrebuttal Testimony*
Case No.: *WR-2024-0104*
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MISSOURI PUBLIC SERVICE COMMISSION
INDUSTRY ANALYSIS DIVISION
WATER, SEWER, GAS, AND STEAM DEPARTMENT

SURREBUTTAL TESTIMONY

OF

ANDREW HARRIS, P.E.

LIBERTY UTILITIES (Missouri Water), LLC,
d/b/a Liberty

CASE NO. WR-2024-0104

Jefferson City, Missouri
October 2024

1 **SURREBUTTAL TESTIMONY**

2 **OF**

3 **ANDREW HARRIS**

4 **LIBERTY UTILITIES (Missouri Water), LLC,**

5 **d/b/a Liberty**

6 **CASE NO. WR-2024-0104**

7 Q. Please state your name and business address.

8 A. My name is Andrew Harris and my business address is 200 Madison Street,
9 P.O. Box 360, Jefferson City, Missouri 65102.

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

11 A. I am employed by the Missouri Public Service Commission (“Commission”) as
12 a Senior Professional Engineer in the Water, Sewer, Gas, and Steam Department. I am also an
13 A Certified Water Treatment System Operator, an A Certified Wastewater Treatment System
14 Operator, and a Certified Distribution System Operator III.

15 Q. Are you the same Andrew Harris who filed direct testimony on August 20, 2024,
16 in this case?

17 A. Yes, I am.

18 Q. What is the purpose of your surrebuttal testimony?

19 A. The purpose of my surrebuttal testimony is to respond to
20 Bolivar Inflow and Infiltration (“I&I”) rebuttal testimony provided by Liberty Water
21 witness Mr. Antonio D. Penna.

22 Q. What was your position in direct testimony regarding I&I at Bolivar?

23 A. My position in direct testimony was that Liberty Water should begin
24 I&I improvements to the collection system now, rather than in the future.

Surrebuttal Testimony of
Andrew Harris

1 Q. What in the rebuttal testimony of Mr. Penna do you wish to address here?

2 A. On page 7, lines 7-18 of his rebuttal testimony, Mr. Penna discusses
3 investigative testing that has been conducted in one of the most critical areas of the collection
4 system for illicit or defective connections.

5 Q. What does Mr. Penna report from the investigative testing?

6 A. Mr. Penna reports that the investigation identified 54 defects with some of the
7 defects on the company side and some on the customer side of the system.

8 Q. What does Mr. Penna identify as the next step?

9 A. Mr. Penna identifies further investigation to determine the best course for repairs
10 so that a rehabilitation schedule can be put together as the next step.

11 Q. Do you agree with Mr. Penna that further investigation can be helpful?

12 A. I agree that further investigation that can provide additional detail for overall
13 scope of repairs to the system can be helpful, but some defects require no additional study to
14 determine the next steps. They simply need to be corrected.

15 Q. Is it your position that Liberty Water should continue to study the system for the
16 overall scope of repairs for prioritization of repair projects throughout the system.

17 A. It is my position that the overall system study is practical along a parallel path
18 with efforts to reduce the defects already identified in the critical area during calendar year
19 2025. Because of the pollution caused by the routine sewage overflows, the threat to public
20 health, and the need to reduce I&I, no matter what treatment plant upgrades eventually occur,
21 it is critical that Liberty Water begin repairing the collection system now.

22 Q. Does Mr. Penna take exception to the Commission as the driver of the timing
23 for I&I reduction?

Surrebuttal Testimony of
Andrew Harris

1 A. On page 6, lines 21-22, of his rebuttal testimony, Mr. Penna states "... we are
2 not convinced that this timing should be driven by the Commission" because (on lines 10-11)
3 the Department of Natural Resources ("DNR") "At a high level...calls for both I&I reductions."

4 Q. Does Mr. Penna provide any specific detail for the timing of I&I reductions
5 beyond high level direction from DNR?

6 A. Mr. Penna does not.

7 Q. Has DNR or the U.S. Environmental Protection Agency issued any schedule or
8 directive on I&I reduction or elimination of the sewage overflows, despite this system being
9 subject to enforcement action since at least 2007?

10 A. No. DNR has issued a schedule for upgrading the sewage treatment plant, but
11 not a specific schedule for taking action to reduce I&I or the sewage overflows.

12 Q. Is it improper then for the Commission to take action to ensure Liberty Water is
13 delivering safe and adequate service?

14 A. No. DNR has taken the action it deems appropriate for eventually resolving the
15 pollution of the receiving stream. But the Commission has the authority to require
16 Liberty Water to begin making appropriate investments now to provide safe and
17 adequate service.

18 Q. Is it your position, then, that I&I reductions should begin in 2025 in the areas
19 identified as a critical area, on both the company system defects as well as working with the
20 City of Bolivar to eliminate customer side connections that may violate local codes or
21 ordinances, such as roof drain connections to the sanitary sewer system?

22 A. Yes, that is my position.

Surrebuttal Testimony of
Andrew Harris

1 Q. And because DNR has not issued any schedule on I&I reduction, your position
2 would not conflict with any future DNR order, should one be issued?

3 A. There would be no conflict. If DNR eventually issues a schedule, any efforts to
4 address the maintenance and repairs previously deferred by the city of Bolivar, would simply
5 place Liberty Water in a better position than they are in currently, in addition to putting them
6 on the road toward providing safe and adequate service. I am not suggesting that Liberty Water
7 replace the entire collection system in the next year, merely that they get off the starting blocks.

8 Q. Does the Commission have a general safety mandate and can require safety
9 upgrades even if DNR has not?

10 A. Yes. The Commission has a general safety mandate for safe and reliable
11 service at 393.130 RSMo. Additionally, the sewer utility shall make reasonable efforts to
12 eliminate or prevent the entry of surface or ground water into its sanitary sewer system
13 at 20 CSR 4240-60.020.

14 Q. Does this conclude your surrebuttal testimony?

15 A. Yes it does.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of the Request of Liberty Utilities)
(Missouri Water) LLC d/b/a Liberty for) Case No. WR-2024-0104
Authority to Implement a General Rate)
Increase for Water and Wastewater Service)
Provided in its Missouri Service Areas)

AFFIDAVIT OF ANDREW HARRIS, PE

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW ANDREW HARRIS, PE and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Surrebuttal Testimony of Andrew Harris, PE*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.



ANDREW HARRIS

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 21st day of October 2024.

D. SUZIE MANKIN
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: April 04, 2025
Commission Number: 12412070



Notary Public