## BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Petition of	)	
Missouri-American Water Company for	)	File No. WO-2022-0176
Approval to Change a Water and Sewer	)	Tariff No. JW-2022-0234
Infrastructure Rate Adjustment ("WSIRA")	)	Tariff No. JS-2022-0235

## STAFF RECOMMENDATION

**COMES NOW** the Staff of the Missouri Public Service Commission ("Staff"), by and through counsel, and hereby submits its Staff Recommendation and Memorandum in this matter, stating:

- 1. Sections 393.1500-1509 of the Revised Statutes of Missouri provide that eligible water and sewer corporations may recover certain infrastructure system replacement costs through a Water and Sewer Infrastructure Rate Adjustment ("WSIRA"). Pursuant to Commission Rule 20 CSR 4240-4.017, Missouri-American Water Company ("MAWC") filed its 60-day notice on December 30, 2021.
- 2. On March 4, 2020, Missouri-American Water Company ("MAWC") filed its *MAWC's Petition to Change a Water and Sewer Infrastructure Rate Adjustment* with the Missouri Public Service Commission ("Petition"). Attached to MAWC's Petition are illustrative tariff sheets FORM NO. 13 P.S.C. MO. No. 13 4<sup>th</sup> Revised Sheet No. RT 11.1 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.1; FORM No. 13 P.S.C. Mo. No. 13 4<sup>th</sup> Revised Sheet No. RT 11.2 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.2; FORM NO. 13 P.S.C. MO. No. 26 3<sup>rd</sup> Revised Sheet No. RT 11.1 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.1; and FORM No. 13 P.S.C. MO. No. 26 3<sup>rd</sup> Revised Sheet No. RT 11.2 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.2 cancelling 3<sup>nd</sup> Rev

- 3. On March 9, 2022, the Commission granted MAWC's motion to consolidate WSIRA cases WO-2022-0176 (water) and SO-2022-0177 (sewer), suspended MAWC's tariff sheets (JW-2022-0234 and JS-2022-0235) until August 31, 2022, and ordered Staff to file its recommendation no later than June 2, 2022. Missouri Industrial Energy Consumers ("MIEC") moved to intervene on March 28, 2022, and the Commission granted MIEC's motion on April 19, 2022. No other parties requested intervention.
- 4. MAWC submitted its Petition to recover WSIRA investment that was placed into service for the period November 1, 2021 to January 31, 2022, with estimated WSIRA costs for February 1, 2022 through April 30, 2022, also included. MAWC estimated in its Petition that it was entitled to WSIRA water revenues of \$18,257,189 and sewer revenues of \$394,746. This would equate to an increase of approximately 5.4% for water and 3.1% for sewer based on the base revenue level approved by the Commission in its most recent rate case.
- 5. Based upon its investigation and calculations, Staff concludes that MAWC's actual WSIRA rates should be designed to recover annual WSIRA revenues of \$18,302,606 from St. Louis County water customers, \$2,658,518 from All Other water customers, \$16,951 from Arnold sewer customers, and \$225,490 from All Other sewer customers for a total of \$21,203,565.
- 6. Staff's calculations reflect the overall weighted average cost of capital of 8.71% (tax grossed up rate of return) and MAWC's current depreciation rates, as reflected in the Stipulation and Agreement approved and ordered by the Commission on April 7, 2021, in Case No. WR-2020-0344, MAWC's last general rate case.

- 7. Staff based its conclusions on an examination of work orders and supporting documentation for the projects included for recovery in MAWC's proposed WSIRA filing, as well as from a review of the Stipulation and Agreement in Case No. WR-2020-0344. Staff agrees with the methodology utilized by MAWC in the calculation of the WSIRA revenue requirement for the purpose of this WSIRA filing. In its calculation of the WSIRA revenue requirement Staff utilized the replacement of estimated costs included in the WSIRA plant balances included in the Company's direct filing with the actual cost for that period.
- 8. MAWC is current on its quarterly assessment payments and is not delinquent for prior year's assessments, nor does MAWC have any past due annual reports. In addition, at this time MAWC's WSIRA has not been in effect for a twelvementh period so a reconciliation of WSIRA revenues is not required in this case.

WHEREFORE, for the reasons stated above and in Staff's attached Memorandum, incorporated herein, Staff recommends that the Commission issue an order in this case that:

- 1) Rejects the following proposed tariff sheets filed in Tariff No. JW-2022-0234:
  - a. FORM NO. 13 P.S.C. MO NO. 13 4<sup>th</sup> Revised Sheet No. RT 11.1 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.1, and
  - b. FORM NO. 13. P.S.C. MO No. 13 4<sup>th</sup> Revised Sheet No. RT 11.2 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.2;
- 2) Rejects the following proposed tariff sheets filed in Tariff No. JS-2022-0235:
  - a. FORM NO. 13 P.S.C. MO NO. 26 3<sup>rd</sup> Revised Sheet No. RT 11.1 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.1, and
  - b. FORM NO. 13. P.S.C. MO No. 13 3<sup>rd</sup> Revised Sheet No. RT 11.2 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.2;

- 3) Approves Staff's recommended WSIRA surcharge revenues in this docket in the incremental pre-tax revenue amount of \$18,302,606 for St. Louis County water service area, \$2,658,518 for All Other water service area, \$16,951 for Arnold sewer service area, and \$225,490 for All Other sewer service area, for a total in this filing of \$21,203,565 and a total current and cumulative WSIRA surcharge of \$40,206,346;
- 4) Authorizes MAWC to file revised tariff sheets for each utility, service area, and customer class, as reflected in Staff's Appendix 1, which generates \$21,203,565.

Respectfully submitted,

## /s/ Don Cosper

Don Cosper Legal Counsel Missouri Bar No. 73231 P.O. Box 360 Jefferson City, MO 65012 (573) 751-4140 (Telephone) (573) 751-9285 (Fax) don.cosper@psc.mo.gov

Attorney for the Staff of the Missouri Public Service Commission

## **CERTIFICATE OF SERVICE**

I hereby certify that copies of the foregoing have been mailed, hand-delivered, transmitted by facsimile, or electronically mailed to all parties and or counsel of record on this 2<sup>nd</sup> day of June, 2022.

### /s/ Don Cosper

## **MEMORANDUM**

**TO:** Missouri Public Service Commission Official Case File

Case No. WO-2022-0176, Tariff No. JW-2022-0234 and JS-2022-0235

**FROM:** Amanda McMellen, Utility Regulatory Audit Unit Supervisor, Auditing Dept.

Ashley Sarver, Lead Senior Utility Regulatory Auditor, Auditing Dept.
Angela Niemeier, Senior Utility Regulatory Auditor, Auditing Dept.
Courtney Horton, Senior Utility Regulatory Auditor, Auditing Dept.
Devid Spreets Senior Research/Date Anglest Water Server Server Per

David Spratt, Senior Research/Data Analyst, Water, Sewer, & Steam Dept.

<u>/s/ Ashley Sarver</u> 6/02/2022

Auditing Department / Date

<u>/s/ David Spratt</u> 6/02/2022 <u>/s/ Don Cosper</u> 6/02/2022 Water, Sewer, & Steam Department / Date Staff Counsel's Office / Date

**SUBJECT:** Staff Report and Recommendation Regarding the Petition of Missouri-American

Water Company for Approval to Change a Water and Sewer Infrastructure Rate

Adjustment ("WSIRA")

**DATE:** June 2, 2022

## **BACKGROUND**

On March 4, 2022, Missouri-American Water Company ("Company" or "MAWC") filed its *Petition to Change a Water and Sewer Infrastructure Rate Adjustment* ("Petition") with the Missouri Public Service Commission ("Commission"). The Company submitted its Petition pursuant to the provisions of the Missouri Water and Sewer Infrastructure Act, Sections 393.1500 and 393.1509, RSMo, and Commission Rule 20 CSR 4240-2.060(1). These sections provide that eligible water and sewer corporations may recover certain infrastructure system replacement costs without the need to file a formal rate case. Instead, these investments in infrastructure are recovered through a Water and Sewer Infrastructure Rate Adjustment ("WSIRA"). This is MAWC's second WSIRA filing since its most recent general rate case, Case No. WR-2020-0344, as well as its second WSIRA filing under the enabling statutes cited above.

The WSIRA process is a replacement for the former Infrastructure System Replacement Surcharge mechanism MAWC used to recover certain infrastructure investments outside of general rate cases in past years. Among the major differences between the former ISRS mechanism and the current WSIRA mechanism are the following: (a) the categories of plant investment eligible for WSIRA inclusion are expanded beyond those that were previously eligible for ISRS inclusion; (b) investment in any of MAWC's divisions are eligible for ISRS inclusion, while only investments made in MAWC's St. Louis County area were eligible for inclusion in ISRS; and (c) the overall cap on allowable WSIRA revenue collections is set at 15% of the revenues ordered in MAWC's prior general rate case, while the cap was previously set at 10% for ISRS purposes.

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In the current case, MAWC submitted its Petition to recover WSIRA investment that was placed into service for the period November 1, 2021 to January 31, 2022, with estimated WSIRA costs for February 1, 2022 through April 30, 2022, also included. MAWC estimated in its Petition that it was entitled in this case to WSIRA water revenues of \$18,257,189 and sewer revenues of \$394,746. This would equate to an increase of approximately 5.4% for water and 3.1% for sewer based on the base revenue level approved by the Commission in its most recent rate case.

Attached to its March 4, 2022 Petition (filed in case numbers WO-2022-0176 and SO-2022-0177), MAWC filed four illustrative tariff sheets – two for the water WSIRA rates and two for the sewer WSIRA rates. These water tariff sheets include incorrect WSIRA rates for both service areas (St. Louis County and all other areas outside of St. Louis County) that were not based on MAWC's new proposed WSIRA calculations. MAWC also filed on March 4, 2022 in WO-2022-0176 a substitute tariff with the same two water WSIRA rate tariff sheets that it filed with its Petition, but MAWC inadvertently still included the error.

On March 9, 2022, the Commission issued its *Order Directing Notice*, *Setting Deadlines*, *Directing Filings*, *Consolidating Cases*, *and Suspending Tariffs* establishing March 29, 2022, as the deadline to intervene in the instant case. The Commission directed Staff to file a report regarding its recommendation of the WSIRA filing no later than June 2, 2022.

On March 11, 2022 MAWC filed substitute illustrative water WSIRA tariff sheets in WO-2022-0176 correctly reflecting the new anticipated WSIRA rates. In the course of processing the petition the Company updated its numbers and Staff calculated the new WSIRA rates. As is routine in this type of proceeding, the Company will need to submit new substitute tariff sheets that reflect their updated calculations and proposed WSIRA rates. The tariff sheets filed by MAWC also have an issue date of March 4, 2022 and an effective date of April 3, 2022. The last WSIRA rates were issued on January 12, 2022 and became effective February 1, 2022. Following this WSIRA case, the tariff sheets will have different issue and effective dates.

Missouri Industrial Energy Consumers ("MIEC") moved to intervene on March 28, 2022, and the Commission granted MIEC's motion on April 19, 2022. No other parties requested intervention.

### **STAFF INVESTIGATION**

The Missouri Water and Sewer Infrastructure Act, Section 393.1506 states:

A water or sewer corporation that provides water or sewer service to more than eight thousand customer connections may file a petition and proposed rate schedules with the commission to establish or change a WSIRA that will provide

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for the recovery of the appropriate pretax revenues associated with the eligible infrastructure system projects, less the appropriate pretax revenues associated with any retired utility plant that is being replaced by the eligible infrastructure system projects. The WSIRA shall not produce revenues in excess of fifteen percent of the water or sewer corporation's base revenue requirement approved by the commission in the water or sewer corporation's most recent general rate proceeding; provided, however, that neither WSIRA revenues attributable to replacement of customer-owned lead service lines, nor any reconciliation amounts described in subdivision (2) of subsection 5 of section 393.1509, shall count toward the program cap.

As noted in its Petition, MAWC serves approximately 474,000 water customers and 16,500 sewer customers, thereby meeting the WSIRA filing criteria of a corporation providing water or sewer service to more than eight thousand customer connections. In addition, the cumulative amount of WSIRA revenues that will result from this petition does not exceed 15% percent, or \$52.2 million, of the base revenue levels of \$348 million approved by the Commission in the most recent MAWC general rate case, Case No. WR-2020-0344.

Revenue Requirement in WR-2020-0344	\$348,000,000
WSIRA Cap per Legislation	15%
WSIRA \$ Cap	$$52,200,000^{1}$
Prior Approved - WSIRA WO-2021-0428	\$19,002,781
Current Case - WSIRA WO-2022-0176	\$21,203,565

As part of its examination of MAWC's Petition, Auditing Staff reviewed supporting workpapers, descriptions of WSIRA projects, MAWC's accounting entries, and a sample of invoices representing approximately 66.67% of total WSIRA investment costs, as well as other applicable documentation, such as work order authorizations. Staff communicated with MAWC personnel to clarify MAWC's Petition when necessary.

#### **THE PETITION**

As stated in its Petition, MAWC:

MAWC, per this Petition, seeks to change a WSIRA to provide for the recovery of costs for infrastructure system projects eligible for WSIRA recognition. The

<sup>&</sup>lt;sup>1</sup> According to Section 393.1506.1., replacement of customer-owned lead service lines does not count toward the program cap. MAWC did not include in either this WSIRA filing or its prior WSIRA filing (Case No. WO-2021-0428) costs related to the replacement of customer-owned lead service lines.

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proposed WSIRA rate schedules filed concurrently with this Petition reflect the appropriate pre-tax revenues necessary to produce net operating income equal to MAWC's pretax weighted cost of capital multiplied by the net original cost of the eligible infrastructure system projects, including recognition of accumulated deferred income taxes and accumulated depreciation associated with eligible infrastructure system projects which are included in the petition to establish or change a WSIRA pursuant to Sections 393.1500 through 393.1509. MAWC also seeks to recover all state, federal and local income or excise taxes applicable to such income and to recover all other costs such a depreciation expense and property taxes due within 12 months of this filing.

In its Petition, MAWC indicates that all of the eligible infrastructure system requirements are water and sewer utility plant projects that meet the following criteria:

- 1. They replace or extend the useful life of existing infrastructure;
- 2. They are currently in service and used and useful;
- 3. Do not include projects intended solely for customer growth; and
- 4. They were not included in MAWC's base rates in its most recently completed general rate case, Case No. WR-2020-0344.

MAWC also states that the water or sewer utility plant projects on which it seeks to base the WSIRA consist of the following:

- 1. Replacement of or cleaning and relining of existing water and sewer pipes, and associated valves, hydrants, meters, service lines, laterals, sewer taps, curb stops, and manholes;
- 2. Replacement of lead mains, lead goosenecks and lead service lines, and associated valves and meters;
- 3. Replacement of booster station and lift station pumps, with equipment of similar capacity and operation, as well as related pipes, valves, and meters;
- 4. Facilities relocations required due to construction or improvement of a highway, road, street, public way, or other public work by or on behalf of the United States, this state, a political subdivision of this state, or another entity having the power of eminent domain; provided that the costs related to such projects have not been reimbursed to the water or sewer corporation;
- 5 Replacement of water and wastewater treatment mechanical equipment with equipment of similar capacity and operation, including well and intake pumps, transfer pumps, high service or discharge pumps, and metering pumps; and

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6. Replacement of Supervisory Control and Data Acquisition System (SCADA) components necessary for the operation and monitoring of remote installations including radio and cellular communication equipment, and programmable logic controllers.

The Company's Petition indicates that its proposed water rate schedule (including estimated amounts for February, March, and April of 2022) will produce WSIRA revenues of \$18,257,189 or an increase of 5.4% based on the base water revenue level approved by the Commission in its most recently completed general rate proceeding on an annualized basis.

The Company's Petition indicates that its proposed sewer rate schedule (including estimated amounts for February, March, and April of 2022) produce WSIRA revenues of \$394,746 or an increase of 3.1% based on the base sewer revenue level approved by the Commission in its most recently completed general rate proceeding on an annualized basis.

## **STAFF'S REVENUE CALCULATION**

Staff agrees with the methodology utilized by MAWC in the calculation of the WSIRA revenue requirement for the purpose of this WSIRA filing. In its calculation of the WSIRA revenue requirement Staff utilized the replacement of estimated costs included in the WSIRA plant balances included in the Company's direct filing with the actual cost for that period.

During the course of its review, Staff discovered multiple amounts in the Company's workpapers where supporting documents were not initially provided by MAWC. Staff worked with the Company to obtain those missing documents. At the time of filing, all of that documentation has now been received.

In addition to the omitted invoices, Staff found instances where the invoice amounts did not match amounts contained within the Company's workpapers. Staff worked with the Company to pinpoint where these discrepancies lie. These discrepancies were use tax calculation that is applied to the invoices after the original invoice was created or materials and supplies added to the project.

### THE WSIRA RATE SCHEDULES

#### Water

The proposed WSIRA water rate schedules include a volumetric rate for each affected customer class (Rate A, Rate B and Rate J), with the rate to be determined through the use of the customer class billing determinants from the Company's last rate case, Case No. WR-2020-0344, and the

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WSIRA revenues allocated to each affected customer class (Rate A, Rate B and Rate J) for both the St. Louis County and the All Other Missouri District.

#### Sewer

The proposed WSIRA sewer rate schedules include the WSIRA Revenue Requirement for all sewer customers divided by the revenues authorized from the Company's last rate case, Case No. WR-2020-0344. This calculation represents a percent that will then be applied to the customer's total bill.

In response to Staff Data Request No. 0006, the Company stated the following for using this methodology to calculate the WSIRA sewer rate:

- Q. 1. Please provide an explanation why MAWC chose to use the percent of authorized revenues to calculate the sewer tariff rates as shown in Appendix C Revenue Requirement, Tariff Rates page 3 of 7, tab line 39.
  - 2. Please describe any other alternative rate designs considered by MAWC, other than what was filed for the calculation of the sewer rates. Please explain why each alternative rate design was not used.
- A. 1. MAWC water customers have metered usage and just as with the ISRS rates, the WSIRA rates can be designed based on that water usage. However, MAWC sewer customers are a mix of flat rate customers and metered customers. Because of this mix of rate design types for sewer customers, MAWC decided to propose a sewer WSIRA rate that is a percentage of the total customer bill. The revenues authorized in MAWC's most recent rate case were used as the basis because that should be the annual base rate revenue generated from the currently approved sewer rates. Therefore including a surcharge of 0.9475% (for Arnold) and 6.1147% (for Other Sewer) of the customer bill should generate the appropriate sewer WSIRA revenue requirement.
  - 2. MAWC also considered proposing a flat rate per customer to collect the appropriate sewer WSIRA revenue requirement, but the Company believed that to be less fair for customers than using a percentage of the customer bill. In the Company's proposed design, both larger commercial customers and smaller residential customers will bear a proportionate burden of the revenue requirement.

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For this case, Staff agrees with and used the Company's methodology for calculating the WSIRA water and sewer rates based on Staff's calculation of the WSIRA water and sewer revenue requirements. Until the Commission promulgates WSIRA regulations, methodology for calculating rates will be reexamined in future WSIRA cases. The WSIRA rates are reflected in Appendix A1 through Appendix A4 to this Memorandum.

## **ASSESSMENTS AND ANNUAL REPORTS**

MAWC is current on its quarterly assessment payments and is not delinquent for prior year's assessments. In addition, MAWC does not have any past due annual reports.

### **STAFF RECONCILIATION**

Section 393.1509, RSMo requires a utility to reconcile the differences between the revenues resulting from a WSIRA and the appropriate pretax revenues as found by the commission at the end of each twelve-month calendar period that a WSIRA is in effect. At this time, MAWC's WSIRA has not been in effect for a twelve-month period so a reconciliation of WSIRA revenues is not required in this case.

## **STAFF'S CONCLUSIONS**

In its Petition, MAWC filed to recover WSIRA qualifying infrastructure replacement costs incurred during the period of November 30, 2021, through April 30, 2022. In its initial filing, MAWC estimated an amount of additional plant investment for February, March, and April of 2022 as part of its request. At the time of filed Petition MAWC proposed, including estimated numbers, the WSIRA revenues for water \$18,257,189 and sewer \$394,746. During the case, MAWC provided supporting documentation (work orders and invoices) for the investments made in November 2021 through January 2022. The final updated workpapers include the actual WSIRA investments through April 2022 was received on May 19, 2022.

Based upon its investigation and calculations, Staff concludes the Company's actual WSIRA rates should be designed to recover annual WSIRA revenues of \$18,302,606 from St. Louis County water customers, \$2,658,518 from All Other water customers, \$16,951 from Arnold sewer customers, and \$225,490 from All Other sewer customers for a total of \$21,203,565.

Staff's calculations reflect the overall weighted average cost of capital of 8.71% (tax grossed up rate of return) and MAWC's current depreciation rates, as reflected in the Stipulation and Agreement approved and ordered by the Commission on April 7, 2021, in Case No. WR-2020-0344, MAWC's last general rate case.

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Staff's calculations reflect the actual WSIRA eligible investment placed in service from November 1, 2021, through April 30, 2022. In addition, property taxes on plant placed in service prior to December 31, 2021 will be due within 12 months of this ISRS filing. As such, Staff has included these property taxes in this WSIRA revenue requirement.

Staff based its conclusions on an examination of work orders and supporting documentation for the projects included for recovery in MAWC's proposed WSIRA filing, as well as from a review of the Stipulation and Agreement in Case No. WR-2020-0344. As a result, it is Staff's conclusion that the project costs incorporated within this WSIRA filing meet the requirements of the governing statutes as summarized previously in this Memorandum in the discussion of the Company's Petition. As per the enabling statute, Staff nor the Commission is making a determination of the ultimate prudency of any of the projects included in this WSIRA filing.

### **STAFF'S RECOMMENDATION**

Based on the above, Staff recommends that the Commission issue an order that:

- 1. Rejects the following proposed tariff sheets filed in Tariff No. JW-2022-0234:
  - a. FORM NO. 13 P.S.C. MO NO. 13 4<sup>th</sup> Revised Sheet No. RT 11.1 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.1, and
  - b. FORM NO. 13. P.S.C. MO No. 13 4<sup>th</sup> Revised Sheet No. RT 11.2 Cancelling 3<sup>rd</sup> Revised Sheet No. RT 11.2;
- 2. Rejects the following proposed tariff sheets filed in Tariff No. JS-2022-0235:
  - a. FORM NO. 13 P.S.C. MO NO. 26 3<sup>rd</sup> Revised Sheet No. RT 11.1 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.1, and
  - b. FORM NO. 13. P.S.C. MO No. 13 3<sup>rd</sup> Revised Sheet No. RT 11.2 Cancelling 2<sup>nd</sup> Revised Sheet No. RT 11.2;
- 3. Approves Staff's recommended WSIRA surcharge revenues in this docket in the incremental pre-tax revenue amount of \$18,302,606 for St. Louis County water service area, \$2,658,518 for All Other water service area, \$16,951 for Arnold sewer service area, and \$225,490 for All Other sewer service area, for a total in this filing of \$21,203,565 and a total current and cumulative WSIRA surcharge of \$40,206,346; and
- 4. Authorizes MAWC to file revised tariff sheets for each utility, service area, and customer class, as reflected in Staff's Appendix 1, which generates \$21,203,565.

## BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

American Water Co	Petition of Missouri- ompany for Approval to I Sewer Infrastructure VSIRA)	) ) )	<u>File No. WO-2022-0176</u>
	AFFIDAVIT OF AMA	NDA C. MC	<u>MELLEN</u>
State of Missouri	) ) ss.		
County of Cole	)		

**COMES NOW** Amanda C. McMellen, and on her oath declares that she is of sound mind and lawful age; that she contributed to the attached *Staff Recommendation in Memorandum form*; and that the same is true and correct according to her best knowledge and belief.

Further the Affiant sayeth not.

Manda CMcMille

### **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 2 day of June, 2022.

Diana L. Vaught NOTARY PUBLIC

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2023
Commission Number: 15207377

# BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Petition of Missouri- American Water Company for Approval to Change a Water and Sewer Infrastructure Rate Adjustment (WSIRA)	) ) )	File No. WO-2022-0176
AFFIDAVIT OF AS	SHLEY SA	RVER
State of Missouri )		
County of Cole ) ss.		
COMES NOW Ashley Sarver, and on he lawful age; that she contributed to the attached Stathat the same is true and correct according to her beautiful Further the Affiant sayeth not.	ıff Recomm	endation in Memorandum form; and
JURA	<u> </u>	
Subscribed and sworn before me, a duly co		
for the County of Cole, State of Missouri, at my	office in	Jefferson City, on this 13th day
of June, 2022.		
DIANNA L. VAUGHT Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: July 18, 2023 Commission Number: 15207377		lannai L. Vaugu Y PUBLIC

## BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

American Water Co	Petition of Missouri- ompany for Approval to d Sewer Infrastructure WSIRA)	) ) )	File No. WO-2022-0176
	AFFIDAVIT OF AN	IGELA NIEM	<u>ieier</u>
State of Missouri	) ) ss.		
County of Cole	j ,		
COMES N	OW Angela Niemeier, and or	n her oath decl	ares that she is of sound mind and
lawful age; that she	contributed to the attached Si	taff Recommer	dation in Memorandum form; and
that the came is true	and correct according to her	heet knowledd	re and helief

## **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 \_\_\_\_\_ day of June, 2022.

Dianie L. Vaust-NOTARY PUBLIC

DIANNA L. VAUGHT Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: July 18, 2023 Commission Number: 15207377

Further the Affiant sayeth not.

## BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

American Water Co	Petition of Missouri- ompany for Approval to d Sewer Infrastructure VSIRA)	) ) )	<u>File No. WO-2022-0176</u>
	AFFIDAVIT OF D	AVID A. SPF	RATT
State of Missouri	)		
County of Cole	) ss. )		

**COMES NOW** David A. Spratt, and on his oath declares that he is of sound mind and lawful age; that he contributed to the attached *Staff Recommendation in Memorandum form*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

DAVID A. SPRATT

## **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 \_\_\_\_\_\_ day of June, 2022.

NOTARY PUBLIC

DIANNA L. VAUGHT Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: July 18, 2023 Commission Number: 15207377

## Missouri-American Water Company Case No. WO-2022-0176

## Staff's WSIRA Water Rate Design Calculation

St. Louis District Water

	St	IRA Recovery aff Revenue equirement	Billing Determinants Sales (000 Gal) (1)		WSIRA Rate per 1000 Gal.
D. I A	<b>.</b>	47 200 040	24 774 04 4		0.54765
Rate A	\$	17,399,810	31,771,914	\$	0.54765
Rate B	\$	324,412	1,579,721	\$	0.20536
Rate J	\$	578,384	3,959,678	\$	0.14607
	\$	18,302,606	37,311,313	_	
(1) Per billing dete	==== rminant	s in Case WR 20	20-0344	=	

Proposed WSIRA Rate Design Per 1,000 Gallons								
		Current		djustment to	Proposed WSIRA Rate			
	W	WSIRA Rate		Current WSIRA Rate (2)		Use on Tariff		
Rate Per 1000 Gal								
Rate A	\$	0.48279	\$	0.54765	\$	1.03044		
Rate B	\$	0.18104	\$	0.20536	\$	0.38640		
Rate J	\$	0.12877	\$	0.14607	\$	0.27484		
(2) Calculated per a	bove							

Proposed WSIRA Rate Design Per 100 Gallons								
		Current Adjustment to Proposed WSIRA Rate						
		WSIRA Rate	Current WSIRA Rate to Use on Tariff		to Use on Tariff			
Rate Per 100 Gal								
Rate A	\$	0.04828	\$	0.05477	\$	0.10304		
Rate B	\$	0.01810	\$	0.02054	\$	0.03864		
Rate J	\$	0.01288	\$	0.01461	\$	0.02748		

## Missouri-American Water Company Case No. WO-2022-0176

## Staff's WSIRA Water Rate Design Calculation

All Other District Water
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	Sta	RA Recovery aff Revenue equirement	Billing Determinants Sales (000 Gal) (1)		WSIRA Rate per 1000 Gal.
Rate A	خ	2 202 002	9.064.577	ć	0.25579
	Ş	2,292,983	8,964,577	\$	0.25578
Rate B	\$	100,094	1,214,373	\$	0.08242
Rate J	\$	265,441	2,971,865	\$	0.08932
	\$	2,658,518	13,150,816		
(1) Per billing deter	 rminants	in Case WR 202	0-0344		

Proposed WSIRA Rate Design Per 1,000 Gallons								
		Current		Adjustment to	Proposed WSIRA Rate			
	W	SIRA Rate	Current WSIRA Rate (2)		to Use on Tariff			
Rate Per 1000 Gal								
Rate A	\$	0.25591	\$	0.25578	\$	0.51169		
Rate B	\$	0.08246	\$	0.08242	\$	0.16488		
Rate J	\$	0.08936	\$	0.08932	\$	0.17868		
(2) Calculated per al	ove							

Proposed WSIRA Rate Design Per 100 Gallons							
	Current		Adjustment to		Proposed WSIRA Rate		
	WISRA Rate		Current WSIRA Rate		to Use on Tariff		
Rate Per 100 Gal							
Rate A	\$	0.02559	\$	0.02558	\$	0.05117	
Rate B	\$	0.00825	\$	0.00824	\$	0.01649	
Rate J	\$	0.00894	\$	0.00893	\$	0.01787	

## Missouri-American Water Company Case No. WO-2022-0176 Staff's WSIRA Sewer Rate Design Calculation

## Arnold Sewer

	WSIRA Recovery Staff Revenue Requirement		Customer Bill	
			\$	0.10059
WSIRA Staff Revenue Requirement	\$	16,951		
Revenues Authorized in Case No. WR-2020-0344	\$	6,273,964		
Percent (%) Authorized Revenues		0.2702%		

Proposed WSIRA Sewer Rate Design						
	Current	Adjustment to	Proposed WSIRA Rate			
	WSIRA Rate	Current WSIRA Rate (1)	to Use on Tariff			
Arnold Sewer	0.6773%	0.2702%	0.9475%			
(1) Calculated per above						

## Missouri-American Water Company Case No. WO-2022-0176 Staff's WSIRA Sewer Rate Design Calculation

## All Other Sewer

Custome	D:11
Custome	r Bill
\$	2.1737
\$	1.5527
	\$

Proposed WSIRA Sewer Rate Design						
	Current WSIRA Rate	Adjustment to Current WSIRA Rate (1)	Proposed WSIRA Rate to Use on Tariff			
All Other Sewer	2.5882%	3.5265%	6.1147%			
(1) Calculated per above						