Exhibit No.: Issues: Witness: Sponsoring Party: MoPSC Staff Type of Exhibit:Surrebuttal TestimonyCase No.:GR-2021-0108Date Testimony Prepared:July 14, 2021

Dues and Donations, Payroll, Lobbying, PSC Assessment, Pensions, Call Center Jared Giacone

## **MISSOURI PUBLIC SERVICE COMMISSION**

#### FINANCIAL AND BUSINESS ANALYSIS DIVISION

## **AUDITING DEPARTMENT**

#### SURREBUTTAL TESTIMONY

OF

### **JARED GIACONE**

### SPIRE MISSOURI INC., d/b/a SPIRE **SPIRE EAST and SPIRE WEST GENERAL RATE CASE**

**CASE NO. GR-2021-0108** 

Jefferson City, Missouri July 2021

\*\* Denotes Confidential Information \*\*

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2	JARED GIACONE				
3		SPIRE MISSOURI INC., d/b/a SPIRE			
4 5		SPIRE EAST and SPIRE WEST GENERAL RATE CASE			
6		CASE NO. GR-2021-0108			
7	Q.	Please state your name and business address.			
8	А.	Jared Giacone, 615 East 13th Street, Room 201, Kansas City, MO 64106.			
9	Q.	Are you the same Jared Giacone that contributed to the Staff of the Missouri			
10	Public Service	e Commission's ("Staff") Cost of Service Report that was filed on May 12, 2021,			
11	and submitted prefiled rebuttal testimony on June 17, 2021?				
12	А.	Yes, I am.			
13	Q.	What is the purpose of your surrebuttal testimony?			
14	А.	The purpose of this testimony is to respond to the rebuttal testimony filed in			
15	this case by S	pire Missouri, Inc., d/b/a Spire ("Spire") witnesses Michelle Antrainer on dues			
16	and donations	s and payroll O&M rate; Scott A. Weitzel on Missouri Energy Development			
17	Association ("MEDA") costs and PSC assessment; and Timothy W. Krick on pension				
18	funding. I will also respond to the rebuttal testimony filed in this case by Missouri Industrial				
19	Energy Consumers and Vicinity Energy Kansas City, Inc.'s witness Greg R. Meyer regarding				
20	the issue of ca	all center costs.			
21	DUES AND	DONATIONS			
22	Q.	What was Spire's response to Staff's recommendation for an adjustment to			
23	dues and dona	ations expense?			

1	А.	In the rebuttal testimony of Michelle Antrainer, she states:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		Staff witness Jared Giacone disallowed civic organization expenses that have a direct and also an indirect benefit to our ratepayers. These expenses to Greater Kansas City Chamber of Commerce, Missouri Chamber Foundation, The Civic Council of Greater Kansas City, and St. Louis Regional Chamber enable Spire to participate in organizations that improve the business environment and quality of life in its service territory. These organizations also support community infrastructure improvements and foster positive economic development opportunities for Missouri employers. Having strong communities and a vibrant economy is important for all Missouri citizens, but it is especially important to utility customers given the role that economic growth can plan in helping to share the costs of utility service. Membership in these groups is another tool that can be used to manage and control costs to our business.
17	Q.	What criteria did Staff use for deciding what civic organization dues should be
18	excluded?	
19	А.	As discussed in detail in Staff's Cost of Service Report ("COS Report"),1
20	I used the fou	r criteria first used in Case No. EO-85-185 to establish which dues and donations
21	should not be	included in customer rates. Those criteria have been applied in utility rate cases
22	since 1985, a	nd approved by the Commission. The criteria for excluding the costs are:
23 24		1) The expenses are involuntary ratepayer contributions of a charitable nature;
25 26 27		2) The expenses are supportive of activities which are duplicative of those performed by other organizations to which the Company belongs or pays dues;
28 29 30		3) The expenses are associated with active lobbying activities which have not been demonstrated to provide any direct benefit to the ratepayers; or

<sup>&</sup>lt;sup>1</sup> Case No. GR-2021-0108, Staff's Cost of Service Report, filed on May 12, 2021, pages 81-82.

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4) The expenses represent costs of other activities that provide no benefit or increased service quality to the ratepayer.

Q. Which of the criteria listed above did you determine that the Greater KansasCity Chamber of Commerce, Missouri Chamber Foundation, The Civic Council of GreaterKansas City, and the St. Louis Regional Chamber met as your reason for excluding the costs?

A. The four organizations met criteria number two and four, and most of the
organizations also met criteria number three. The expenses were supportive of activities
which were duplicative of those performed by other organizations to which the Company
belongs or pays dues. Staff is opposed to rate recovery of multiple memberships for
organizations serving the same geographic area as those costs are duplicative and unnecessary
for the provision of safe, reliable and adequate utility service.

12 Specifically, the Greater Kansas City Chamber of Commerce and The Civic Council 13 of Greater Kansas City were excluded because those organizations cover the same, duplicative 14 geographic area as the Kansas City Area Development Council. Staff included the dues paid 15 to the Kansas City Area Development Council in its direct filing because in Staff's opinion, 16 they are more focused solely on economic development than the Greater Kansas City 17 Chamber of Commerce and The Civic Council of Greater Kansas City. Staff recommends the 18 dues paid to the Greater Kansas City Chamber of Commerce and The Civic Council of Greater 19 Kansas City be excluded because they are duplicative of the dues that Staff included for the 20 Kansas City Area Development Council. In addition, the Greater Kansas City Chamber of 21 Commerce and The Civic Council of Greater Kansas City are involved in lobbying. 22 According to The Civic Council of Greater Kansas City's website,<sup>2</sup> the organization advocates

<sup>&</sup>lt;sup>2</sup> The Civic Council of Greater Kansas City, <u>https://kcciviccouncil.org/</u>.

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for public policies, including state policies in the Kansas and Missouri legislature and, according to the Greater Kansas City Chamber of Commerce website,<sup>3</sup> they advocate for businesses' interest in the public policy arena. It is Staff's position that utility ratepayers

5 The Missouri Chamber Foundation ("Missouri Chamber") was excluded because it is 6 a statewide organization. It is reasonable to conclude that a statewide organization covers the 7 same, duplicative geographic area as the multiple local chamber of commerce organizations 8 that Staff allowed. For example, Staff included contributions to the following local chambers 9 of commerce: Arcadia Valley, Union Area, Sullivan, Greater Poplar Bluff, Ozark, Nixa, and 10 St. Joseph. Staff also included contributions to the following local economic development 11 organizations: Liberty, Lee's Summit, Independence, Parkville and Kearney. Missouri 12 Chamber contributions should be excluded because Staff included contributions to multiple 13 local chambers of commerce and economic development organizations. In addition, according to the Missouri Chamber's website,<sup>4</sup> they advocate to ensure employer's voices are 14 15 heard on legislative, regulatory and judicial issues to keep Missouri business strong. It is 16 Staff's position that utility ratepayers should not be involuntary contributors to organizations 17 that advocate on legislative, regulatory and judicial issues.

should not be involuntary contributors to organizations that advocate for public policies.

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The St. Louis Regional Chamber should be excluded because it covers the same, duplicative geographic area as the St. Louis Regional Economic Development organization. Staff included the dues paid to the St. Louis Regional Economic Development in its direct filing. Since both organizations promote growth in the St. Louis region's economy,

<sup>&</sup>lt;sup>3</sup> Greater Kansas City Chamber of Commerce, <u>https://www.kcchamber.com/what-we-do</u>.

<sup>&</sup>lt;sup>4</sup> Missouri Chamber Foundation, <u>https://mochamber.com/</u>.

1	Staff recommends the dues paid to the St. Louis Regional Chamber be excluded because they				
2	are duplicative of the dues that Staff included for the St. Louis Regional Economic				
3	Development.				
4	Q.	Is Staff's recommendation concerning contributions to these organizations the			
5	same as was recommended in Spire's last general rate case, Case Nos. GR-2017-0215 and				
6	GR-2017-0216?				
7	А.	Yes.			
8	Q.	What is Staff's recommendation on these costs?			
9	А.	It is Staff's recommendation to exclude the dues paid to these organizations			
10	because they are duplicative, do not provide a direct benefit to ratepayers, and are unnecessary				
11	in the provision of safe, reliable and adequate service.				
12	PAYROLL (	OPERATION AND MAINTENANCE ("O&M") RATE			
13	Q.	What is Spire's position regarding the payroll Operations and Maintenance			
14	("O&M") rate?				
15	А.	Ms. Antrainer stated in her rebuttal testimony that there is an outstanding issue			
16	related to the	payroll charged to operation and maintenance accounts and that Staff did not			
17	use the proper rate to allocate payroll costs between capital and expense.				
18	Q.	What O&M rate does Ms. Antrainer suggest should be used in the payroll			
19	adjustment?				
20	А.	Ms. Antrainer did not provide the rate that she recommends should be used;			
21	she simply di	sagreed with the rate used by Staff.			
22	Q.	Has Staff had further discussions with Spire on the O&M rate?			

1	A. Yes. In addition to submitting Data Request No. 0435 on June 21, 2021,				
2	requesting additional information regarding Spire's recommended O&M rate, Staff met with				
3	Spire representatives on June 29, 2021, to discuss the O&M rate. Staff has updated the O&M				
4	rate in the true-up phase of this case to 52.9% for Spire East and 60.5% for Spire West.				
5	LOBBYING				
6	Q. What was Spire's response to Staff's recommendation for an adjustment to				
7	lobbying expense?				
8	A. Mr. Weitzel disagrees with Staff's disallowance of \$135,835 for MEDA costs. <sup>5</sup>				
9	Q. Did the Company provide evidence to support how MEDA directly benefits				
10	ratepayers?				
11	A. No. Aside from Staff's longstanding position on the exclusion of MEDA costs,				
12	the Company provided no evidence in this case to show how MEDA costs provide a direct				
13	benefit to ratepayers.				
14	Q. What is MEDA's mission statement?				
15	A. According to MEDA's website, $^6$ the mission statement says: "Our mission is				
16	to work closely with Missouri Investor-Owned Utilities and their strategic partners,				
17	representing their interests and advocating balanced policies in legislative and regulatory				
18	arenas. MEDA provides credible public policy leadership, pivotal industry awareness and				
19	education, and strategic business intelligence."				

 <sup>&</sup>lt;sup>5</sup> Case No. GR-2021-0108 Scott A. Weitzel rebuttal testimony on revenue requirement, page 12.
 <sup>6</sup> Missouri Energy Development Association, <u>http://www.missourienergy.org/meda</u>.

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Q. What is MEDA's vision statement?

A. According to MEDA's website,<sup>7</sup> the vision statement says: "Our vision is to be the consummate advocate for Missouri's Investor-Owned Utility Companies and their strategic partners, while proudly serving as an important industry information resource."

Q. Based on the information in MEDA's mission and vision statements, do you think it is reasonable to conclude that MEDA is actively engaged in lobbying activities for Missouri investor-owned utilities without regard to providing a direct benefit to the ratepayers?

9 Yes. It is Staff's position that MEDA actively lobbies on behalf of Missouri A. 10 investor-owned utilities and that the objectives of and benefits to the investor-owned utilities 11 take precedence over any incidental benefit or consequence to the ratepayers. Since MEDA 12 is primarily involved in lobbying and does not provide a direct benefit to ratepayers, all costs 13 for MEDA should be excluded. Ratepayers should not be involuntary contributors to the 14 Company's lobbying efforts since the lobbyists primarily work in the best interest of the utility 15 and not the ratepayers. An argument could be made in some situations that legislation being 16 lobbied for on behalf of the Company could actually be detrimental to ratepayers if the 17 legislation was to pass. Staff's position to exclude all MEDA costs from customer rates is 18 consistent with the treatment of MEDA costs in past utility rate cases, including Spire's prior 19 rate case, Case Nos. GR-2017-0215 and GR-2017-0216.

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PSC ASSESSMENT

Q.

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What was Spire's response to Staff's recommendation for PSC Assessment?

<sup>&</sup>lt;sup>7</sup> Missouri Energy Development Association, <u>http://www.missourienergy.org/meda/?page\_id=5</u>.

1	A. Beginning on page 12, lines 18-24 and continuing to page 13, lines 1-3 of the				
2	rebuttal testimony of Scott A. Weitzel, he states:				
3 4 5 6 7 8 9 10 11 12 13 14 15 16	The Company does not believe that Staff's approach is representative of the fluctuations in the PSC Assessment, which is a mandatory expense for each state utility. A three-year average like the Company proposed in its direct filing is a better normalized approach. Staff's workpaper on PSC assessment has \$4,904,390 in actual FY 2019, \$3,825,609 in FY 2020, and \$3,627,843 in FY 2021. A three-year average of \$4,118,947 captures a three-year cycle that includes an assessment after a rate case. Spire has seen in the past that the Commission assessment significantly increases after a rate case. The Company would be open to including a tracker for a mandatory expense (PSC Assessment) to operate as a utility in the state of Missouri. The Company continues to feel that neither the customer nor the Company should benefit from or be hindered from a state mandated expense.				
17	Q. What amount did Staff propose in its direct filing for PSC Assessment?				
18	A. Staff proposed the current FY-2021 PSC Assessment in the amount of				
19	\$3,627,843 which was allocated between Spire East and Spire West.				
20	Q. Has the Company historically incurred the \$4,118,947 level of PSC assessment				
21	that Mr. Weitzel is proposing by using a three-year average?				
22	A. During the 4-year period of 2017-2020, the PSC assessment exceeded				
23	Mr. Weitzel's proposal one year, fiscal year 2019. The fiscal year 2019 assessment amount				
24	is the outlier that is skewing the average. Staff's recommendation accounts for the last				
25	known and measurable cost for PSC Assessment. The PSC Assessment amount has				
26	trended down over the last three years. There is an outlier in the first year of the three-year				
27	average, which is causing the resulting average to be inflated and not representative of the				
28	actual costs incurred:				

1					
	PSC Fiscal Year		scal Year	PSC Assessment Amount	PSC Assessment Factor
	2018		)18	\$3,242,612 *amount is for MGE and Laclede combined	0.30225049%
	2019		)19	\$4,904,391	0.42687312%
	2020		020	\$3,824,610	0.30260964%
		20	)21	\$3,627,843	0.29489711%
2					
3		Q.	Is ther	e a reason the PSC assessment an	mount for fiscal year 2019 was
4	muc	h higher	?		
5	A. Yes. There were multiple items that drove the assessment amount higher				ve the assessment amount higher
6	for 2019:				
7 8	• The PSC assessment percentage factor that is applied to the utility's revenue amounts was significantly higher for fiscal year 2019;				
9 10 11	• The Office of Public Counsel ("OPC") assessment was included that year which has since been removed from the PSC assessment calculation;				
12 13 14	• The Company reported higher revenue, which is what the percentage factor is multiplied by to calculate the assessment amount.				
15		Q.	Is the	PSC assessment known for fiscal ye	ear 2022, which starts on July 1,
16	2021?				
17		А.	Yes.	Spire's PSC assessment amount f	fiscal year 2022 was set at
18	\$3,5	96,026 t	based on a	an assessment factor of 0.31910685%	6. The fiscal year 2022 amount is
19	lower than the fiscal year 2021 amount that Staff has recommended in this case. Although			mmended in this case. Although	

1	the 2022 PSC assessment is known and measurable, Staff continues to recommend that the			
2	fiscal year 2021 amount be used for setting rates in this case since the start of fiscal year 2022			
3	is after the true-up date of May 31, 2021. The information is included to show the continued			
4	downward trend of Spire's PSC assessment amount over the last few years.			
5	Q. Mr. Weitzel states in his rebuttal testimony on page 12, line 24 continuing to			
6	page 13, line 1, that the Company would be open to including a tracker for a mandatory			
7	expense (PSC Assessment). What is Staff's response?			
8	A. Staff witness Kimberly K. Bolin addresses Staff's opposition to the use of a			
9	tracker for PSC Assessment in her surrebuttal testimony.			
10	PENSIONS			
11	Q. Mr. Krick included a discussion on pages 15-16 of his rebuttal testimony on			
12	the matter of variable rate premium increases. What is your response?			
13	A. Mr. Krick's testimony on variable rate premiums over-dramatizes the increases			
14	that have occurred in the past and portrays that large increases in variable rate premiums will			
15	continue in the future. However, premium rates are set by federal law. Aside from automatic			
16	yearly indexing, they can only change if Congress passes new legislation. The variable rate			
17	portion of the premiums is capped. The Spire East and Spire West plans met that cap			
18	according to the most recent actuarial valuation reports for the Spire East and Spire West			
19	plans, so Spire's actual effective rate for the variable premium was less than the published			
20	variable premium percentage rate. The actuarial valuation report for Spire East, dated			
21	January 1, 2021, is attached to this testimony as Schedule JG-s1 which shows the uncapped			
22	variable rate premium calculation at \$1,962,176 and the maximum variable rate premium that			

1 is owed based on the cap of \$1,449,339. The actuarial valuation report for Spire West, dated 2 September 2020, is attached to this testimony as Schedule JG-s2, which shows the uncapped 3 variable rate premium calculation at \$1,069,380 and the maximum variable rate premium that 4 is owed based on the cap of \$654,126. 5 Q. Do you agree with Mr. Krick's comingled comparison of the amount of pension expense currently included in rates to his calculated "rebuttal average of positions", 6 7 including his statement that there would be a "\$9.3 million decrease from current rates"? 8 A. No. The analysis in Mr. Krick's testimony is skewed by the inclusion of other 9 post-employment benefit ("OPEB") data. The issue of OPEB funding is irrelevant to the 10 discussion on the amount of pension funding to include. The OPEB data in the comparison 11 only serves to distract from the pension funding issue because without OPEB data included, 12 Staff's recommended amount of pension recovery in the present case is about the same as 13 pension recovery in current rates. The biggest driver in Mr. Krick's comparison is an 14 \$8.6 million reduction in the recommended amount of OPEB funding in rates in the present 15 case. Staff agrees with the Company that there should be a reduction in recommended OPEB 16 recovery in the present case. However, it is imperative to understand that the OPEB data is 17 included in Mr. Krick's analysis to support his statement that there would be a "9.3 million 18 decrease from current rates." 19 Q. What is the comparison of pension recovery in current rates to Staff's proposed 20 amount of pension recovery? 21 A. The table below provides a comparison of the pension recovery in current rates 22 to Staff's proposed amount of pension recovery in the present case, in millions:

Funding in Current Rates:			
	Spire East	Spire West	Total
Pension Funding in Current	\$29.0	\$5.5	\$34.5
Rates			
Amortization of Prepaid	\$16.4	(\$3.6)	\$12.8
Asset/(Liability) in Current			
Rates			
Total	\$45.4	\$1.9	\$47.3
Staff's Recommendation:			
Pension Funding	\$32.4	\$4.4	\$36.8
Recommended			
Amortization of Prepaid	\$12.5	(\$2.3)	\$10.2
Asset/(Liability) Recommended			
Total	\$44.9	\$2.1	\$47.0

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Q. Please explain the results of the table in the previous answer.

For both Spire East and Spire West combined, Staff is recommending total 4 A. 5 recovery of pension costs at an amount just slightly lower than the amount being recovered in 6 current rates. There are two parts to pension recovery. One is a recommended funding level 7 going forward and the other is an amortization of any prepaid pension asset or liability. Staff's 8 recommended funding level for Spire East is \$3.4 million higher than the amount in current 9 rates and \$1.1 million lower for Spire West. The total prepaid pension asset and liability are 10 both lower in the present case which lowers the amount of amortization. Staff's total 11 recommended amount of pension recovery in the present case is approximately \$300,000 less 12 than the pension recovery amount in current rates even though Staff's recommended amount 13 of pension recovery includes \$2.3 million more in estimated contributions than the 14 Commission ordered in the previous case. This proves Staff's position is representative of a 15 normalized level and is the most just and reasonable amount to include in rates.

Q. Please summarize Mr. Krick's explanation on page 15-16 regarding reasons
 it would be in the best interest of customers to fund pension plans at higher than
 minimum levels.

A. 4 The theme of Mr. Krick's explanation is based on "potential" and "possible" 5 future results. For example, Mr. Krick states that on a PBO basis, or market-funded basis, the 6 plans are closer to only 60% funded as compared to an IRS funded status of over 80% which 7 creates the "potential" for difficult situations in the future. Mr. Krick provides no supporting 8 evidence to explain what potential difficult situations might occur in the future and how 9 funding pension plans at an amount higher than minimum levels would mitigate them. 10 Another example Mr. Krick refers to is "possible" future Congressional actions. Again, there 11 is no basis for Mr. Krick's statement and speculating on possible future events is inconsistent 12 with the fundamentals of utility ratemaking which is based on known and measurable costs. 13 Staff's position is based on federal funding requirements, not an arbitrary funding level 14 supported by speculation.

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Q. Mr. Krick states in his rebuttal testimony that the Company would support funding positions above the minimum as a step in the right direction and suggested a half-way funding level between Staff and the Company. What is your response?

A. Mr. Krick's rebuttal testimony brings the Company closer to Staff's recommendation. Instead of continuing to support its direct testimony, the Company now proposes a half-way point between Staff and the Company, which supports Staff's argument that the Company's position is arbitrary. In addition, the table below summarizes that Staff's recommended funding level actually does allow for funding above current actuarial estimated minimums in future years for the Spire East plan. Staff's funding recommendation for the

- Spire West plan is equal to future actuarial estimated minimums on a net basis. The data 1
- 2 supports Staff's recommended funding level as the most just and reasonable amount to include
- 3 in rates:
- 4



- 5 6
- 7

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Q. Has Staff made any revisions to the test year account balance of Account 926,

"Pension and Group Insurance" since direct or rebuttal testimony?

*Source*: Cash Forecast dated October 30, 2020<sup>8</sup>

9 A. Yes. Staff made a correction to the test year account balance for FERC 10 Account 926 to add back pension non-service costs ("NSC") that were removed from the 11 account by the Company for Generally Accepted Accounting Principles ("GAAP") financial statement reporting purposes. The pension NSC needed to be added back to FERC

<sup>12</sup> 

<sup>&</sup>lt;sup>8</sup> Cash Forecast was included in the rebuttal testimony of Jared Giacone Schedule JG-r3.

Account 926 for regulatory purposes because FERC allows pension NSC to be included in the
 regulatory account but GAAP does not.

Q. What was the Company's combined Account 926, "Pension and Group
Insurance" test year balance in their direct filing compared to Staff's test year account balance
for Account 926?

A. The Company's test year account balance for Spire East and Spire West
combined was approximately \$42.5 million, which included the NSC reclassification. Staff's
combined test year account balance was approximately \$33.5 million, which did not include
the NSC reclassification.

10

11

Q. Is this a change in Staff's methodology for calculating their pension adjustment?

# A. No. This was simply an error in Staff's test year account balance in the Exhibit Modeling System ("EMS") run, not a change in methodology. This difference in the test year account balance has existed since the beginning of the case. The test year account balance that Staff included in their direct filed EMS run was incorrect and is being corrected in the true-up filing in this case to approximately \$42.5 million to agree with the Company's test year account balance.

#### 18 CALL CENTER

Q. Mr. Meyer mentioned concerns in his rebuttal testimony about potentially
inflated costs during the transition from use of third party call centers to use of internal call
centers which would not represent normalized levels of those expenses. What is your
response?

- Staff continues to review payroll data through the true-up date of May 31, 1 A. 2 2021, for increases or decreases that have occurred for the internal call center payroll. Staff will evaluate reductions to third party call center costs during the same period. 3 4
  - Q. Does this conclude your surrebuttal testimony?
- 5
- Yes, it does. A.

#### BEFORE THE PUBLIC SERVICE COMMISSION

#### **OF THE STATE OF MISSOURI**

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In the Matter of Spire Missouri Inc.'s d/b/a Spire Request for Authority to Implement a General Rate Increase for Natural Gas Service Provided in the Company's Missouri Service Areas

Case No. GR-2021-0108

#### **AFFIDAVIT OF JARED GIACONE**

STATE OF MISSOURI	)	
	)	SS.
COUNTY OF JACKSON	)	

**COMES NOW JARED GIACONE** and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Surrebuttal Testimony of Jared Giacone*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

#### JARED GIACONE

#### JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Jackson, State of Missouri, at my office in Kansas City, on this  $12^{\text{th}}$  day of July 2021.



M. RIDENHOUR My Commission Expires July 22, 2023 Platte County Commission #19603483

## WillisTowersWatson IIIIIIII

Spire Missouri Inc.

Spire Missouri Employees' Retirement Plan

### Actuarial Valuation Report Employer Contributions for Plan Year Beginning October 1, 2019

January 2021

This report is confidential and intended solely for the information and benefit of the intended recipient thereof. It may not be distributed to a third party unless expressly allowed under the "Actuarial Certification" section herein.

Case No. GR-2021-0108 Schedule JG-s1 Page 1 of 2

#### 2.7 Calculation of PBGC premium

Pr	remium Payment Year	2019				
Α	A Flat Rate Premium					
	1 Participant count date	September 30, 2019				
	2 Total participants as of participant count date <sup>1</sup>	2,679				
	3 Applicable rate	80.00				
	4 Total flat rate premium	214,320				
в	Variable Rate Premium					
	1 Assumptions and Methods Used to Determine Premium Funding Target					
	a Premium funding target method	Standard				
	b Premium funding target method election date	n/a				
	c UVB valuation date	October 1, 2019				
	d Discount rates					
	i First segment rate	2.13%				
	ii Second segment rate	3.07%				
	iii Third segment rate	3.65%				
	2 Premium Funding Target					
	a Attributable to active participants	231,693,299				
	b Attributable to terminated vested participants	25,131,006				
	c Attributable to retirees	40,443,268				
	d Total premium funding target <sup>2</sup>	297,267,573				
	3 Market Value of Assets	251,635,753				
	4 Unfunded Vested Benefits	45,632,000				
	5 Uncapped Variable Rate Premium <sup>3</sup>	1,962,176				
	6 Maximum VRP <sup>4</sup>	1,449,339				
	7 Variable Rate Premium	1,449,339				
С	Total PBGC Premium	1,663,659				

<sup>&</sup>lt;sup>1</sup> The participant count for PBGC premium purposes may reflect permitted adjustments to exclude certain records including those who became participants on this plan year begin date, certain alternate payees and multiple beneficiaries.

<sup>&</sup>lt;sup>2</sup> Reflects at-risk status, if applicable.

<sup>&</sup>lt;sup>3</sup> Using variable rate premium of \$43 per \$1,000 of unfunded vested benefits.

<sup>&</sup>lt;sup>4</sup> Using maximum per-participant premium of \$541.

## WillisTowersWatson IIIIIIII

Spire Missouri Inc.

Spire Missouri West Retirement Income Plan

## Actuarial Valuation Report Employer Contributions for Plan Year Beginning January 1, 2020

September 2020

#### 2.7 Calculation of PBGC variable rate premium

Premium Payment Year		2020
Α	Assumptions and Methods Used to Determine Premium Funding Target	
	1 Premium funding target method	Standard
	2 Premium funding target method election date	January 1, 2014
	3 UVB valuation date	January 1, 2020
	4 Discount rates	
	a First segment rate	2.03%
	b Second segment rate	3.06%
	c Third segment rate	3.59%
в	Premium Funding Target	
	1 Attributable to active participants	58,367,421
	2 Attributable to terminated vested participants	7,178,005
	3 Attributable to retirees	96,459,442
	4 Total premium funding target <sup>1</sup>	162,004,868
С	Market Value of Assets	138,240,930
D	Unfunded Vested Benefits	23,764,000
Е	Uncapped Variable Rate Premium <sup>2</sup>	1,069,380
F	Maximum VRP <sup>3</sup>	654,126
G	Variable Rate Premium	654,126

<sup>&</sup>lt;sup>1</sup> Reflects at-risk status, if applicable.

<sup>&</sup>lt;sup>2</sup> Using variable rate premium of \$45 per \$1,000 of unfunded vested benefits.

<sup>&</sup>lt;sup>3</sup> Using maximum per-participant premium of \$561.