FILED August 25, 2021 Data Center Missouri Public Service Commission

Exhibit No. 110

Staff – Exhibit 110 Jared Giacone Rebuttal Testimony File No. GR-2021-0108

Exhibit No.: Issue(s): Pensions Witness: Jared Giacone Sponsoring Party: MoPSC Staff Type of Exhibit: Rebuttal Testimony Case No.: GR-2021-0108 Date Testimony Prepared: June 17, 2021

MISSOURI PUBLIC SERVICE COMMISSION

FINANCIAL AND BUSINESS ANALYSIS DIVISION

AUDITING DEPARTMENT

REBUTTAL 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 June 2021

** Denotes Confidential Information **

| 1 | | REBUTTAL TESTIMONY | | | | | | | |
|--------|--------------------------|---|--|--|--|--|--|--|--|
| 2 | | OF | | | | | | | |
| 3 | | JARED GIACONE | | | | | | | |
| 4 | | SPIRE MISSOURI INC., d/b/a SPIRE | | | | | | | |
| 5 6 | | SPIRE EAST and SPIRE WEST GENERAL RATE CASE | | | | | | | |
| 7 | | CASE NO. GR-2021-0108 | | | | | | | |
| 8 | Q. | Please state your name and business address. | | | | | | | |
| 9 | А. | Jared Giacone, 615 East 13th Street, Room 201, Kansas City, MO 64106. | | | | | | | |
| 10 | Q. | Have you previously contributed to Staff's Cost of Service Report filing in this | | | | | | | |
| 11 | case dated May 12, 2021? | | | | | | | | |
| 12 | А. | Yes, I have. | | | | | | | |
| 13 | Q. | What is the purpose of your rebuttal testimony? | | | | | | | |
| 14 | А. | The purpose of this testimony is to respond to the direct testimony filed in this | | | | | | | |
| 15 | case by Spir | re witnesses Alan D. Felsenthal and Timothy W. Krick regarding the issue of | | | | | | | |
| 16 | pension fund | ling. Staff does not agree that the pension funding level proposed by Spire in this | | | | | | | |
| 17 | proceeding is | s justified or appropriate at this time. | | | | | | | |
| 18 | Q. | What is Spire's recommendation regarding the pension funding level? | | | | | | | |
| 19 | А. | Spire's recommendation is to set pension contributions for the Spire East plan | | | | | | | |
| 20 | at \$41.5 mill | ion and \$6.9 million for the Spire West plan to achieve a targeted 100% funding | | | | | | | |
| 21 | level over a 5 | 5-year period. | | | | | | | |
| 22 | Q. | What is Staff's recommendation regarding the pension funding level? | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Q.

Q.

A. Staff's recommendation is to set pension contributions for the Spire East plan
 at \$32.4 million and \$4.4 million for the Spire West plan based on the statutorily required
 funding level.

4 Q. How much is the difference between Spire's proposed funding level and
5 Staff's recommended funding level?

A. The difference is \$9.1 million for the Spire East plan and \$2.5 million for the
7 Spire West plan.

8

What is pension funding?

9 Pension funding is the contributions Spire pays to a pension trust in order to fund A. 10 its retiree benefit payments. There are federal laws that require companies to fund their pension 11 plans. The Employee Retirement Income Security Act of 1974 ("ERISA") governs 12 private industry retirement plans. By law, ERISA requires private industry retirement plans to 13 maintain an 80% minimum Funding Target Attainment Percentage ("FTAP") according to the 14 ERISA calculation. ERISA also imposes variable rate insurance premiums to the 15 Pension Benefit Guaranty Corporation ("PBGC") for under-funded pension obligations and 16 puts restrictions in place for plans that are considered "at-risk".

17

What are PBGC insurance premiums?

A. There are two separate PBGC premiums. One is a flat-rate per participant and
is required regardless of the funded status of the pension plan and the other is a variable
premium calculated up to a maximum cap based on the funded status of the plan.

21

Q. How does ERISA define "at-risk"?

A. The instructions for IRS Form 5500 Schedule SB state, "Determining whether a
plan is in at-risk status. A plan with over 500 participants is in at-risk status for 2020 if both:

the FTAP for 2019 is less than 80%, *and* the at-risk funding target attainment percentage for 2019 is less than 70%." That means that if the FTAP calculation was less than 80% then another calculation would need to be done to show the funding percentage using worst-case scenario actuarial assumptions, such as assuming all payouts were paid as lump-sums and all employees retire at their earliest eligible retirement date. If this calculation is below 70%, then the company is considered at-risk. If the initial FTAP calculation is 80% or greater the at-risk funding target calculation is not required.

8

9

Q. Is the Spire East or Spire West pension plan considered "at-risk"?

A. No.

10 Staff reviewed Spire East's latest IRS Form 5500 Schedule SB dated July 17, 2020, 11 signed by its actuary and the section labeled Box 4 for "at-risk" was not checked. The FTAP 12 reported on the form was 85.35%. It should be noted that the FTAP calculation is reduced by 13 the carryover and prefunding balance of \$9.7 million. The carryover and prefunding balance is 14 the amount Spire has contributed over and above the minimum ERISA required contributions 15 in prior years. The carryover and prefunding balance can be used by Spire in future years to 16 offset any minimum required contributions. For purposes of stating the plan valuation with the 17 carryover and prefunding balance based on the IRS Form 5500 dated July 17, 2020, the plan 18 funding percentage would be nearly 90% per the numbers used in the ERISA calculations. The 19 Spire East IRS Form 5500 Schedule SB is attached to this testimony as Schedule JG-r1.

Staff also reviewed Spire West's latest IRS Form 5500 Schedule SB dated September 25, 2020, signed by its actuary and the section labeled Box 4 for "at-risk" was not checked. The FTAP reported on the form was 90.57%. The Spire West retirement plan did not have a carryover and prefunding balance on the IRS Form 5500 Schedule SB dated September 24, 2020. The Spire West IRS Form 5500 Schedule SB is attached to this testimony
 as Schedule JG-r2.

3

Q. Are the pension funding contribution amounts based on any assumptions?

4 A. Yes. Pension plan funding status is always in flux and it is just a snapshot at any 5 given point in time using actuarial assumptions. That means pension plan funding status and 6 the amount of pension funding contributions required is a moving target. Many assumptions 7 are used and those assumptions can change over time, which alters the amount of pension 8 funding required. One of the most critical and unknown assumptions is the actual rate of return 9 on plan assets over time. Other factors include interest rates (which affect the bond discount 10 rates), number of employees covered by the plan, age of employees covered by the plan, actual 11 retirement date of employees covered by the plan and mortality rates.

12

Q.

A.

Who calculates the pension funding level options?

A. Spire's actuary, Willis Towers Watson performs calculations and provides the
information in reports sent to Spire. Staff submitted Data Request Number 359 requesting the
documentation supporting the amounts in Mr. Felsenthal and Mr. Krick's direct testimony. The
Company responded with the Cash Forecast report dated October 30, 2020 from its actuary
Willis Towers Watson. The Cash Forecast is attached to this testimony as Schedule JG-r3.

18

Q. Does the Cash Forecast list different funding scenarios?

19

Yes. The Cash Forecast lists three different funding scenarios.

| Option 1 | Baseline | Fund greater of minimum required |
|----------|----------|---|
| | | contribution and amount needed to |
| | | maintain an 80% Adjusted Funding Target |
| | | Attainment Percentage |

| | Option 2 | Scenario 1 | Fund a large one-time payment so the | | | | | | | |
|----|--|--|---|--|--|--|--|--|--|--|
| | | One-Time Acceleration of Funding | funded status of each plan reaches 100% | | | | | | | |
| | | | (fully funded on a market basis) | | | | | | | |
| | Option 3 | Scenario 2 | Fund the amount of the large one-time | | | | | | | |
| | | Level Funding over Period | payment over a five-year period (One-time | | | | | | | |
| | | | payment amount divided by 5 and adjusted | | | | | | | |
| | | | for time value) | | | | | | | |
| 1 | Source: Spire | Pension Plan Cash Forecast report dated Octo | ber 30, 2020 | | | | | | | |
| 2 | Q. | Which of the three funding o | ptions corresponds to Mr. Felsenthal's | | | | | | | |
| 3 | and Mr. Krick's direct testimony? | | | | | | | | | |
| 4 | A. Option 3. Spire is proposing to include funding to reach a 100% funded status | | | | | | | | | |
| 5 | in five years | on a market basis which could result | in reduced or eliminated PBGC variable rate | | | | | | | |
| 6 | premiums a | nd possibly less future pension funding | g required. | | | | | | | |
| 7 | Q. | Which of the three funding options | does Staff recommend? | | | | | | | |
| 8 | А. | Option 1. | | | | | | | | |
| 9 | Q. | Why does Staff recommend Option | . 1? | | | | | | | |
| 10 | А. | Staff's position satisfies the statu | atory requirement for pension funding to | | | | | | | |
| 11 | maintain an | 80% ERISA funding target, avoids at- | risk status and avoids any benefit restrictions | | | | | | | |
| 12 | from being | imposed. Staff's position requires | s the least amount of funding in rates | | | | | | | |
| 13 | from custom | ners. | | | | | | | | |
| 14 | Staff | does not agree with placing a burder | on current ratepayers with higher rates for | | | | | | | |
| 15 | Spire to achi | ieve a fully-funded pension status on a | market basis to the potential benefit of future | | | | | | | |
| | | | | | | | | | | |

ratepayers realizing possible savings of reduced or eliminated PBGC variable rate premiums
 and possible reduced future pension funding requirements.

3 Q. Why would it not be advantageous to support targeted 100% funding of the4 pension obligations?

5 A. It is important to note that the targeted funding percentage calculations take into 6 account current and future employee benefit obligations. That means the benefit obligations of 7 employees who have not yet retired are included in the calculation. This allows time for plan 8 assets and contributions to grow the pension fund and earn a return before those current 9 employees retire. Increasing the funding target percentage above the federal statutorily required 10 ERISA minimum of 80% would raise customer rates disproportionately in the present case 11 compared to including a more normalized level of pension expense over time based on 12 ERISA funding guidelines.

13

Q. Does not funding the pension obligations at 100% imperil the pension funds?

14 A. No. The ERISA funding calculations and PBGC premiums are designed to 15 prevent private company pension plans from failing. The Commission set rates at 16 an 80% ERISA funding level in the previous Spire rate case and as of the most recent IRS Form 17 5500 available, the plans are not considered to be "at-risk" according to ERISA criteria. 18 In addition, as stated previously in this testimony, even though funding was set at 19 the 80% minimum, the funding attainment calculation based on the most recent IRS Form 5500 20 Schedule SB available was 85.35% for the Spire East plan and 90.57% for the Spire West plan. 21 Increasing the funding target to 100% would raise rates with no guarantee that the plans would 22 actually achieve the target percentage due to variations in the assumptions mentioned 23 previously in this testimony. It is possible the plan would be less than the 100% funding target

| 1 | but it is also possible that the plan could exceed the 100% funding target which would indicate | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| 2 | pension contributions and thus, customer rates, were set too high. | | | | | | | | | |
| 3 | Q. You mentioned the Commission addressed the funding levels in its | | | | | | | | | |
| 4 | Amended Report and Order from the previous Spire rate cases, GR-2017-0215 and | | | | | | | | | |
| 5 | GR-2017-0216. What was the Commission's decision? | | | | | | | | | |
| 6 | A. The Commission's decision in the Amended Report and Order from the prior | | | | | | | | | |
| 7 | Spire rate case, GR-2017-0215/0216 states on page 93, | | | | | | | | | |
| 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 | The pension asset of LAC has grown quite large and a 90 percent funding level would lower PGCB premiums in the future and prevent the regulatory asset from increasing in size substantially. However, a 90 percent funding level would require an additional \$2 million in pension expense, thus, raising rates. Additionally, the ERISA minimums are calculated to take into consideration growth of the funds through returns, thus, additional investment may not be needed. In balancing the needs of the ratepayers to keep rates from increasing, with the need Spire Missouri to fulfill its pension obligations, the Commission determines that an 80 percent ERISA funding level (\$29 million) for LAC is the most just and reasonable level. With regard to MGE's pension asset funding, Spire Missouri, Staff, and Public Counsel reached consensus that the funding level should be \$5.5 million. Having reviewed the evidence before it, the Commission determines that \$5.5 million is a just and reasonable funding level for MGE's pension expense. | | | | | | | | | |
| 26 | Q. The Commission ordered the ERISA 80% minimum of \$29 million for the | | | | | | | | | |
| 27 | Spire East (formerly LAC) plan in the last rate case. What is the comparison of the amount the | | | | | | | | | |
| 28 | Company actually contributed to the pension plan trust since the effective date of rates from | | | | | | | | | |
| 29 | that case versus the amount included in rates? | | | | | | | | | |
| 30 | A. The history is summarized in the table below for the Spire East pension plan. | | | | | | | | | |

1 The effective date of rates was April 19, 2018 for the GR-2017-0215 rate case:

2

| Time period | Amount in rates | Contributions |
|--|-----------------|-------------------|
| | | Company made to |
| | | the pension trust |
| April 19, 2018 - September 30, 2018 (165 days) | | |
| | \$13,109,589 | \$9,985,000 |
| October 1, 2018 - September 30, 2019 | | |
| | \$29,000,000 | \$19,600,000 |
| October 1, 2019 - September 30, 2020 | | |
| | \$29,000,000 | \$22,150,000 |
| October 1, 2020 - December 31, 2020 (92 days) | | |
| | \$7,309,589 | \$19,500,000 |
| Total | \$78,419,178 | \$71,235,000 |

3 4

5

6

Q. Would the contribution history compared to the amount in rates listed in the table above indicate that the Company has grave concern for the funding status of the Spire East pension plan?

7 A. No. Since the effective date of rates in the last rate case through the update 8 period of December 31, 2020 in this case, the Company actually contributed less to the 9 Spire East pension fund than the 80% ERISA minimum amount that was included in rates. The 10 difference lowered the regulatory asset, meaning the Company recovered a portion of the 11 amounts that it had funded in excess of the amount included in rates from prior cases. If there 12 was grave concern for the Spire East pension funding status, it is reasonable to conclude that 13 the Company would have at least funded the entire amount that was included in rates as opposed 14 to drawing down the regulatory asset even more than the amortized amount of the regulatory 15 asset that was included in rates.

16

Q.

Does the same situation apply to the Spire West (formerly MGE) plan?

A. The Spire West pension plan has a regulatory liability which means thatratepayers have paid more in rates for contributions to the pension plan trust over time than the

Company actually paid to the pension trust. So although the Company contributed more to the
 Spire West pension trust since the April 19, 2018 effective date of rates from
 the GR-2017-0216 case through the December 31, 2020 update period in this case, a regulatory
 liability still exists. Since ratepayers have paid more in rates over time than the Company
 actually contributed to the Spire West pension trust, it is certainly not necessary to include a
 contribution level above the minimum 80% ERISA funding calculation for the Spire West

Q. Does this conclude your rebuttal testimony?

7 pension plan in this case.

8 9

A. Yes it does.

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

)

)

)

)

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 *Rebuttal Testimony of Jared Giacone*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

RED GIACO

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 167 day of June 2021.

advoca otary Public EBONEY JACKSON-SPOTWOOD

My Commission Expires April 8, 2023 Clay County Commission #19865798

| SCHEDULE SB | Single-Employ | ver Definer | d Ren | efit Plan | | OMB N | o. 1210-0110 |
|--|--|-------------------------|------------|-----------------------|----------|------------------|---------------------------------|
| (Form 5500) | | arial Inform | | | | | 2018 |
| Department of the Treasury Internal Revenue Service | | | | | | 4 | 2010 |
| Department of Labor Employee Benefits Security Administration | This schedule is required to Retirement Income Security | y Act of 1974 (ERI | SA) and se | | | This Form i | s Open to Public |
| Pension Benefit Guaranty Corporation | | Revenue Code (th | , | | | Ins | spection |
| For calendar plan year 2018 or fiscal pla | | achment to Form | 5500 or 5 | and ending | 1 09/3 | 30/2019 | |
| Round off amounts to nearest doll | | | | | , 00/0 | 0/2010 | |
| • Caution: A penalty of \$1,000 will be | assessed for late filing of this rep | port unless reason | able caus | e is established | • | | |
| A Name of plan | | | | B Three-dig | it | | |
| SPIRE MISSOURI EMPLOYEES' RE | TIREMENT PLAN | | | plan num | ber (PN |) | 001 |
| | | | | | | | |
| C Plan sponsor's name as shown on lin | e 2a of Form 5500 or 5500-SF | | | D Employer I | dentific | ation Number (E | EIN) |
| SPIRE MISSOURI INC. | | | | | 43-036 | 68139 | |
| | | E Diaman | | 400 | | 500 V Mars (k | 500 |
| E Type of plan: X Single Multiple- | A Multiple-B | F Prior year pla | in size: | 100 or fewer | 101- | 500 X More th | an 500 |
| Part I Basic Information | | | 4.0 | | | | |
| Enter the valuation date: Assets: | Month <u>10</u> Day <u>01</u> | 1 Year <u>20</u> | 18 | | | | |
| 2 Assets: a Market value | | | | | 2a | | 224944598 |
| b Actuarial value | | | | | 2b | | 228810407 |
| 3 Funding target/participant count bro | | | (1) N | umber of | (2) Ve | sted Funding | (3) Total Funding |
| | , | | part | icipants | | Target | Target |
| a For retired participants and bene | 01 7 | | | 470 | | 34799172 | 34799172 |
| b For terminated vested participan | | | | 205 | | 13595900 | 13595900 |
| C For active participants | | | | 1903 | | 168535175 | 208215682 |
| d Total | | | | 2578 | | 216930247 | 256610754 |
| 4 If the plan is in at-risk status, check | | | | | 4- | | |
| a Funding target disregarding pres | • | | | | 4a | | |
| b Funding target reflecting at-risk a at-risk status for fewer than five of | | | | | 4b | | |
| 5 Effective interest rate | | | | | . 5 | | 5.51 % |
| 6 Target normal cost | | | | | 6 | | 15557814 |
| Statement by Enrolled Actuary To the best of my knowledge, the information sup accordance with applicable law and regulations. I | | | | | | | |
| combination, offer my best estimate of anticipated | I experience under the plan. | | | | | | |
| SIGN | | | | | | | |
| HERE | investions of each open | | | | | 07/17/202 | 0 |
| S COREY BRUNO | ignature of actuary | | | | | Date 20-07695 | |
| | or print name of actuary | | | · | Most | recent enrollmer | |
| WILLIS TOWERS WATSON US LLC | | | | | | 314-719-59 | |
| | Firm name | | | Tel | ephone | number (includ | ing area code) |
| 101 SOUTH HANLEY ST. LOUIS, MO 63105 | | | | | | | |
| | Address of the firm | | | | | | |
| | | under the state of | | and the second second | | des les les | |
| If the actuary has not fully reflected any re instructions | gulation or ruling promulgated u | inder the statute in | completir | ng this schedule | , check | the box and see | e 🗌 |
| For Paperwork Reduction Act Notice, | see the Instructions for Form | 5500 or 5500-SF. | | | | Schedule S | B (Form 5500) 2018 v. 171027 |

| Pa | art II | Begir | ning of Year | Carryov | er and Prefunding Ba | alances | | | | | | | | |
|---|--|-------------|--------------------------|----------------|---------------------------------|--------------|--|----------------------------|----------|------------------------------|----------|------------|--|--|
| | | | | | | | (a) C | arryover balance | | (b) P | refundin | ig balance | | |
| 7 | | 0 | 0 1 2 | | able adjustments (line 13 fro | • | | 9482581 | | | | 0 | | |
| 8 | | | | • | nding requirement (line 35 fr | • | | С | | | | 0 | | |
| 9 | Amount | remaining | g (line 7 minus line | 8) | | | | 9482581 | | 0 | | | | |
| 10 | Interest | on line 9 i | using prior year's | actual retu | rn of <u>3.08</u> % | | | 292063 | | | | 0 | | |
| 11 | Prior yea | ar's exces | s contributions to | be added | to prefunding balance: | | | | | | | | | |
| | a Prese | nt value o | f excess contribut | ions (line 3 | 88a from prior year) | | | | | | | 53180 | | |
| | b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.76</u> % | | | | | | | | | | | 3063 | | |
| | b(2) Int | erest on l | ine 38b from prior | year Sche | edule SB, using prior year's a | ictual | | | | | | | | |
| | | | | | ar to add to prefunding balance | <i>.</i> | | | | | | 0 | | |
| | | | 0 0 | | ance | | | | | | | 56243 | | |
| 40 | | | • | | | | | | | | | 0 | | |
| | | | | | or deemed elections | | | C | | | | 0 | | |
| | | | | | line 10 + line 11d – line 12). | | | 9774644 | | | | 0 | | |
| | Part III Funding Percentages | | | | | | | | | | | | | |
| | | | | | | | | | | | 14 | 85.35% | | |
| | | | | |) | | | | | | 15 | 84.42% | | |
| 16 | | | | | of determining whether carry | | | | reduce c | urrent; | 16 | 92.53% | | |
| 17 | 7 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage | | | | | | | | | | | | | |
| Р | art IV | Con | tributions and | d Liquid | ity Shortfalls | | | | | | | | | |
| 18 | Contribu | tions mad | de to the plan for t | he plan ye | ar by employer(s) and emplo | yees: | | | | | | | | |
| () | (a) Dat MM-DD-Y | | (b) Amount p employer | | (c) Amount paid by employees | | Date (b) Amount paid by D-YYYY) employer(s) | | | (c) Amount paid by employees | | | | |
| C | 1/15/2019 | 9 | | 5700000 | 0 | | | | | | | | | |
| C | 4/15/2019 | 9 | | 5700000 | 0 | | | | | | | | | |
| C | 7/15/2019 | 9 | | 5700000 | 0 | | | | | | | | | |
| 1 | 0/11/2019 | 9 | | 2800000 | 0 | | | | | | | | | |
| C | 6/15/2020 |) | | 2850000 | 0 | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | Totals < | 18(b) | 22 | 2750000 | 18(c) | | 0 | | |
| 19 | Discount | ed emplo | over contributions | – see instr | uctions for small plan with a | valuation d | ate after the | beginning of th <u>e y</u> | ear: | | | | | |
| | a Contri | butions a | llocated toward ur | npaid minin | num required contributions f | rom prior y | ears | 1 | 9a | | | 0 | | |
| b Contributions made to avoid restrictions adjusted to valuation date | | | | | | | | | 0 | | | | | |
| | C Contril | outions all | ocated toward mini | imum requi | red contribution for current ye | ar adjusted | to valuation da | ate 1 | 9c | | | 21864501 | | |
| 20 | Quarterl | / contribu | tions and liquidity | shortfalls: | | | | | | | | | | |
| | a Did th | e plan ha | ve a "funding sho | rtfall" for th | e prior year? | | | | | | X | Yes 🗌 No | | |
| | b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? | | | | | | | | X | Yes 🗌 No | | | | |
| | C If line | 20a is "Y | es," see instruction | ns and con | nplete the following table as | applicable: | | | | | | | | |
| | | | | | Liquidity shortfall as of end | l of quarter | | | 1 | | | | | |
| | | (1) 1s | | | (2) 2nd | | (3) (3) | 3rd | | (| 4) 4th | | | |
| | | | 0 | | 0 | | 0 | | | | | 0 | | |

Page 3

| P | Part V | Assumpti | ons Used to | Determine | Funding | Farget and Tar | get Normal Co | ost | | | |
|----|--|------------------|--------------------|------------------|------------------|--|--------------------|------------------|---------|-------------------------|------|
| 21 | Discount | t rate: | | | 1 | | | | | | |
| | a Segm | ent rates: | 1st seç | gment: 3.92% | 2no | d segment: 5.52 % | 3rd seç | gment: 6.29 % | | N/A, full yield curve u | used |
| | b Applic | able month (er | nter code) | | | | | 2 | 21b | 4 | |
| 22 | Weighte | d average retire | ement age | | | | | | 22 | 59 | |
| 23 | Mortality | table(s) (see | instructions) | Prior regulation | n: | Prescribed - com | bined X Pre | scribed - s | eparate | Substitute | |
| | | | | Current regula | tion: | Prescribed - com | bined Pre | scribed - s | eparate | Substitute | |
| Pa | art VI | Miscellane | ous Items | | | | | | | | |
| 24 | | - | | | • | ons for the current p | • | | | regarding required | No |
| 25 | Has a m | ethod change l | been made for t | ne current plan | year? If "Yes | s," see instructions | regarding required | l attachme | nt | X Yes [| No |
| 26 | 26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment | | | | | | | | | | |
| 27 | | | | | | de and see instruct | | | 27 | | |
| P | art VII | | | | | ed Contributio | | | | | |
| | | | | | - | | | | 28 | | 0 |
| 29 | Discount (line 19a | 29 | | 0 | | | | | | | |
| 30 | ` | | 0 | | | | | | | | |
| | 30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29) 30 0 Part VIII Minimum Required Contribution For Current Year 0 | | | | | | | | | | |
| | 31 Target normal cost and excess assets (see instructions): | | | | | | | | | | |
| | a Target normal cost (line 6) | | | | | | | | | | |
| | b Exces | s assets, if app | licable, but not | greater than lin | ne 31a | | | 3 | b1b | | 0 |
| 32 | Amortiza | ation installmen | nts: | | | | Outstandin | ig Balance | • | Installment | |
| | a Net sh | ortfall amortiza | ation installment | | | | | 375749 | 991 | 62841 | 07 |
| | | | | | | | | | 0 | | 0 |
| 33 | | | | | | ne ruling letter gran waived amount | | | 33 | | |
| 34 | Total fur | ding requireme | ent before reflec | ting carryover/ | prefunding ba | lances (lines 31a - | 31b + 32a + 32b - | 33) | 34 | 218419 | 921 |
| | | | | | Carryo | over balance | Prefunding | g balance | | Total balance | |
| 35 | | | se to offset fundi | - | | 0 | | | 0 | | 0 |
| 36 | Addition | al cash require | ment (line 34 mi | nus line 35) | | | | | 36 | 218419 |)21 |
| 37 | | | | | | ırrent year adjusted | | (line | 37 | 218645 | 501 |
| 38 | Present | value of exces | s contributions f | or current year | (see instruction | ons) | | I | | | |
| | a Total (excess, if any, of line 37 over line 36) | | | | | | | | | | |
| | b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances | | | | | | | | | | |
| 39 | 39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) | | | | | | | | | | |
| 40 | Unpaid r | - | | | | | | | 40 | | 0 |
| Pa | rt IX | Pension | Funding Rel | ief Under F | Pension Re | lief Act of 201 | 0 (See Instruc | tions) | | | |
| 41 | If an elec | tion was made | e to use PRA 20 | 10 funding relie | ef for this plan | | | | | | |
| | a Sched | ule elected | | | | | | | | 2 plus 7 years 15 ye | ars |
| | b Eligible | e plan year(s) f | for which the ele | ction in line 41 | a was made | | | | . 2008 | 3 2009 2010 20 | 011 |
| | | | | | | | | | | | |

| | 804 | | D | | Cincelo Em | | or Define | | f:4 | Diam | | | OMB N | lo. 1210-011 | 0 |
|--|--|--|-------------------|---------|--|-----------|-------------------------------------|------------|-----------|-------------|---------|---------------|---------------|--------------|------------------------|
| | | EDULE S | Б | | Single-Em | | er Define | | | Plan | | | | | |
| | • | orm 5500) | | | A | Juar | | Iatior | 1 | | | | 2 | 2019 | |
| | Interr | ment of the Treasur | | Т | his schedule is requ | uired to | be filed under se | ection 104 | 4 of th | e Employe | е | | | | |
| | | partment of Labor nefits Security Admir | nistration | Re | etirement Income Se | | Act of 1974 (ERI evenue Code (th | | | n 6059 of t | he | т | | s Open to | Public |
| | Pension Be | nefit Guaranty Corpo | oration | | | | hment to Form | , | | SF | | | Ins | spection | |
| For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019 | | | | | | | | | | | | | | | |
| | | amounts to n | | | | | | | | | | | | | |
| | | | 000 will be a | assess | ed for late filing of t | his repo | ort unless reasor | nable cau | 1 | stablished | l. | | | | |
| Α | Name of pla | an SOURI WEST | RETIREMEN | | COME PLAN | | | | в | Three-dig | | N | | 008 | |
| | | | | | | | | | | plan num | ber (PN | 1) | | 008 | |
| _ | | | | | | | | | | | | | | | |
| С | | or's name as sh SOURI INC. | nown on line | 2a of | Form 5500 or 5500 |)-SF | | | D | Employer I | | | Number (E | EIN) | |
| | | | | | | | | | | | 43-03 | 68139 | 9 | | |
| Е | Type of plan | : X Single | Multiple-A | | Multiple-B | | F Prior year pla | an size: | 100 | or fewer | 101 | -500 | X More th | an 500 | |
| | Part I | Basic Inforr | mation | | | | | | | | | | | | |
| 1 | Enter the | valuation date | : | Mon | th <u>01</u> Da | y1 | Year 20 |)19 | | | | | | | |
| 2 | Assets: | | | | | - | | | | | | | | | |
| | a Market | value | | | | | | | | | 2a | | | 119 | 315083 |
| | b Actuar | al value | | | | | | | | | 2b | | - | 842493 | |
| 3 | Funding | target/participa | nt count brea | akdow | n | | | · · · | Numbe | | | sted Targe | Funding et | | Funding get |
| | a For ret | ired participants | s and benefi | ciaries | receiving payment | t | | | | 832 | | 90256942 | | | 90256942 |
| | b For ter | minated vested | d participants | S | | | | | | 125 | | 5468720 | | | 5468720 |
| | C For ac | tive participants | S | | | | | | | 267 | | 4 | 41294854 | | 43205306 |
| | d Total | | | | | | | | | 1224 | | 13 | 37020516 | | 138930968 |
| 4 | If the pla | n is in at-risk st | atus, check t | the bo | x and complete line | es (a) an | nd (b) | [| | | | | | | |
| | a Fundin | g target disrega | arding presc | ribed a | at-risk assumptions | | | | | | 4a | | | | |
| | | | | | tions, but disregard itive years and disre | | | | | | 4b | | | | |
| 5 | | interest rate | | | | | | <u></u> | <u></u> | | | | | | 5.48% |
| 6 | Target no | ormal cost | | | | | | | | | 6 | | | 3 | 607404 |
| Sta | - | Enrolled Actua | - | | | | | | | | | | | | |
| | accordance wi | | d regulations. In | my opin | is schedule and accompa ion, each other assumptio ce under the plan. | | | | | | | | | | |
| | SIGN | | | | | | | | | | | | | | |
| | HERE | | | | | | | | | | | | 09/25/202 | 0 | |
| | | | Sig | gnature | e of actuary | | | | | | | | Date | _ | |
| | COREY BRI | JNO | | r print | nome of exturn | | | | _ | | Most | rooor | 20-07695 | | |
| | Type or print name of actuary Most recent enrollment number WILLIS TOWERS WATSON US LLC 314-719-5900 | | | | | | | | | | | | | | |
| | Firm name Telephone number (including area code) | | | | | | | | | | de) | | | | |
| | 101 S HANL ST. LOUIS, I | EY ROAD MO 63105-343 | 7 | | | | | | | | | | | - | |
| | | | A | ddress | s of the firm | | | | _ | | | | | | |
| inst | ructions | | , , | - | n or ruling promulga | | | • | ting this | s schedule | , check | | | | |
| Fo | or Paperwor | k Reduction A | Act Notice, s | see the | e Instructions for I | Form 55 | 500 or 5500-SF. | | | | | S | chedule S | B (Form 5 | 500) 2019 v. 190130 |

| Р | art II | Begin | ning of Year | Carryov | er and Prefunding Bal | lances | | | | | | | | |
|---|--|---------------------|--------------------------|-----------------|---|-------------|---------------|-------------------------------------|---------|--------------|----------|---------------------------------|--|--|
| | | | | | | _ | (a) C | arryover balanc | e | (b) F | 'refundi | ng balance | | |
| 7 | | 0 | 0 1 3 | | able adjustments (line 13 from | • | | | 0 | | | 0 | | |
| 8 | | | | , | nding requirement (line 35 fro | • | | | 0 | | | 0 | | |
| 9 | Amount | remaining | g (line 7 minus line | 98) | | | | | 0 | | | 0 | | |
| 10 | Interest of | on line 9 u | using prior year's | actual retur | n of <u>-6.78</u> % | | | | 0 | | | 0 | | |
| 11 | Prior yea | ır's exces | s contributions to | be added t | o prefunding balance: | | | | | | | | | |
| | a Preser | nt value o | f excess contribut | ions (line 3 | 8a from prior year) | | | | | | | 77115 | | |
| | | | | | over line 38b from prior year interest rate of 5.65% | | | | | | | 4357 | | |
| | b(2) Int | erest on l | ine 38b from prior | year Sche | dule SB, using prior year's ac | ctual | | | | | | | | |
| | | | t beginning of curre | | | | | | | 0 | | | | |
| | _ | | | | | _ | | | | | | 81472 | | |
| | a Portio | n of (c) to | be added to prefu | unding bala | ance | | | | | | | 0 | | |
| 12 | Other red | ductions i | n balances due to | elections of | or deemed elections | | | | 0 | | | 0 | | |
| 13 | Balance | at beginr | ing of current yea | r (line 9 + l | ine 10 + line 11d – line 12) | | | | 0 | | | 0 | | |
| F | Part III Funding Percentages | | | | | | | | | | | | | |
| 14 | Funding | target att | ainment percenta | ge | | | | | | | 14 | 90.57% | | |
| 15 Adjusted funding target attainment percentage | | | | | | | | | | 15 | 90.57% | | | |
| 16 | 16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement. 16 90.44% | | | | | | | | | | | | | |
| 17 | 7 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage | | | | | | | | | | | | | |
| F | Part IV | Con | tributions and | d Liquidi | ity Shortfalls | | | | | | | | | |
| 18 | Contribu | tions mad | le to the plan for t | he plan yea | ar by employer(s) and employ | /ees: | | | | | | | | |
| (| (a) Date MM-DD-Y | | (b) Amount p employer | | | | | Date (b) Amount paid by employer(s) | | | | (c) Amount paid by employees | | |
| | 04/15/2019 | | | 1600000 | employees 0 | | | employe | 1(5) | | empid | Uyees | | |
| | 07/15/2019 | | | 1600000 | 0 | | | | | | | | | |
| | 10/11/2019 | | | 1300000 | 0 | | | | | | | | | |
| | 01/15/2020 | | | 1300000 | 0 | | | | | | | | | |
| | 09/14/2020 | | | 700000 | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | • | | Totals < | 18(b) | | 65000 | 00 18(c) | | C | | |
| 19 | Discount | ed emplo | over contributions | – see instru | uctions for small plan with a v | aluation da | ate after the | beginning of the | e year: | | | | | |
| | a Contri | butions a | llocated toward ur | npaid minim | num required contributions fro | om prior ye | ears | | 19a | | | 0 | | |
| | b Contributions made to avoid restrictions adjusted to valuation date | | | | | | | | | | | | | |
| | C Contributions allocated toward minimum required contribution for current year adjusted to valuation date | | | | | | | | | | | | | |
| 20 | Quarterly | / contribu | tions and liquidity | shortfalls: | | | | | | | | | | |
| | a Did th | e plan ha | ve a "funding sho | rtfall" for the | e prior year? | | | | | | X | Yes No | | |
| b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? | | | | | | | | | Yes No | | | | | |
| | C If line | 20a is "Y | es," see instructio | ns and com | plete the following table as a | applicable: | | | | | | | | |
| | | | | | Liquidity shortfall as of end | of quarter | | | | | | | | |
| | | (1) 1s ⁻ | | | (2) 2nd | | (3) | 3rd | | | (4) 4th | | | |
| | | | 0 | | 0 | | | 0 | | | | 0 | | |

Page 3

| P | art V | Assumpti | ions Used to Determin | e Funding Target and Tar | get Normal Cost | | | | | | | |
|----|---|------------------|----------------------------------|--|--------------------------|------------|----------------------------|--|--|--|--|--|
| 21 | Discount | rate: | | | | | | | | | | |
| | a Segm | ent rates: | 1st segment: 3.74% | 2nd segment: 5.35% | 3rd segment: 6.11 % | | N/A, full yield curve used | | | | | |
| | b Applic | able month (er | nter code) | | | 21b | 4 | | | | | |
| 22 | Weighte | d average retir | ement age | | | 22 | 61 | | | | | |
| 23 | Mortality | table(s) (see | instructions) Pres | cribed - combined X Pres | cribed - separate | Substitut | te | | | | | |
| Pa | art VI | Miscellane | ous Items | | | | | | | | | |
| 24 | | - | | uarial assumptions for the current | | | | | | | | |
| 25 | Has a m | ethod change l | been made for the current pla | an year? If "Yes," see instructions | regarding required attac | hment | Yes 🛛 No | | | | | |
| 26 | Is the pla | an required to p | provide a Schedule of Active | Participants? If "Yes," see instruc | tions regarding required | attachment | tX Yes 🗌 No | | | | | |
| 27 | | • | alternative funding rules, ente | er applicable code and see instruc | tions regarding | 27 | | | | | | |
| Pa | art VII | Reconcili | ation of Unpaid Minim | um Required Contributio | ns For Prior Years | | | | | | | |
| 28 | Unpaid n | | - | ears | | 28 | 0 | | | | | |
| 29 | | | contributions allocated toward | | 29 | 0 | | | | | | |
| 30 | Remaini | ng amount of u | 30 | 0 | | | | | | | | |
| Pa | art VIII | Minimum | Required Contribution | n For Current Year | | | | | | | | |
| 31 | 31 Target normal cost and excess assets (see instructions): | | | | | | | | | | | |
| | a Target normal cost (line 6) 31a 3607404 | | | | | | | | | | | |
| | b Excess | s assets, if app | plicable, but not greater than I | ine 31a | | 31b | 0 | | | | | |
| 32 | Amortiza | tion installmen | nts: | | Outstanding Bala | ance | Installment | | | | | |
| | a Net sh | ortfall amortiza | ation installment | | 13 | 088475 | 2587723 | | | | | |
| | b Waive | r amortization | installment | | | 0 | 0 | | | | | |
| 33 | | | | er the date of the ruling letter gran) and the waived amount | | 33 | | | | | | |
| 34 | Total fun | ding requireme | ent before reflecting carryove | r/prefunding balances (lines 31a - | 31b + 32a + 32b - 33) | 34 | 6195127 | | | | | |
| | | | | Carryover balance | Prefunding bala | nce | Total balance | | | | | |
| 35 | | | se to offset funding | 0 | | 0 | 0 | | | | | |
| 36 | Additiona | al cash require | ement (line 34 minus line 35) . | | | 36 | 6195127 | | | | | |
| 37 | | | | ntribution for current year adjusted | | 37 | 6246461 | | | | | |
| 38 | Present | value of exces | s contributions for current yea | ar (see instructions) | | | | | | | | |
| | a Total (| excess, if any, | of line 37 over line 36) | | | 38a | 51334 | | | | | |
| | b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances | | | | | | | | | | | |
| 39 | 39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) | | | | | | | | | | | |
| 40 | Unpaid n | ninimum requii | red contributions for all years | | | 40 | 0 | | | | | |
| Pa | rt IX | Pension | Funding Relief Under | Pension Relief Act of 201 | 0 (See Instructions | 5) | | | | | | |
| 41 | If an elec | tion was made | e to use PRA 2010 funding re | lief for this plan: | | | | | | | | |
| | a Sched | ule elected | | | | | 2 plus 7 years 15 years | | | | | |
| | b Eligible | e plan year(s) f | for which the election in line 4 | 1a was made | | 20 | 08 2009 2010 2011 | | | | | |

SCHEDULE JG-r3

HAS BEEN DEEMED

CONFIDENTIAL

IN ITS ENTIRETY