

Form 5500

Annual Return/Report of Employee Benefit Plan

OMB Nos. 1210-0110 1210-0089

2024

This Form is Open to Public Inspection

Department of the Treasury Internal Revenue Service

Department of Labor Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

Complete all entries in accordance with the instructions to the Form 5500.

Part I Annual Report Identification Information

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

- A This return/report is for: a multiemployer plan, a multiple-employer plan, a single-employer plan, a DFE, etc.
B This return/report is: the first return/report, the final return/report, an amended return/report, a short plan year return/report, etc.
C If the plan is a collectively-bargained plan, check here.
D Check box if filing under: Form 5558, automatic extension, the DFVC program, special extension, etc.
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.

Part II Basic Plan Information—enter all requested information

1a Name of plan: BIG RIVERS ELECTRIC CORPORATION RETIREMENT PLAN
1b Three-digit plan number (PN): 001
1c Effective date of plan: 12/31/2014
2a Plan sponsor's name, mailing address, city or town, state or province, country, and ZIP or foreign postal code.
2b Employer Identification Number (EIN): 61-0597287
2c Plan Sponsor's telephone number: 270-827-2561
2d Business code (see instructions): 221100

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

Table with 4 columns: SIGN HERE, Signature, Date, and Name. Rows include plan administrator, employer/plan sponsor, and DFE.

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2024) v. 240311

<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	<b>3b</b> Administrator's EIN	
	<b>3c</b> Administrator's telephone number	
<b>4</b> If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: <b>a</b> Sponsor's name <b>c</b> Plan Name	<b>4b</b> EIN	
	<b>4d</b> PN	
<b>5</b> Total number of participants at the beginning of the plan year	<b>5</b>	22
<b>6</b> Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines <b>6a(1)</b> , <b>6a(2)</b> , <b>6b</b> , <b>6c</b> , and <b>6d</b> ). <b>a(1)</b> Total number of active participants at the beginning of the plan year ..... <b>a(2)</b> Total number of active participants at the end of the plan year ..... <b>b</b> Retired or separated participants receiving benefits..... <b>c</b> Other retired or separated participants entitled to future benefits ..... <b>d</b> Subtotal. Add lines <b>6a(2)</b> , <b>6b</b> , and <b>6c</b> ..... <b>e</b> Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. .... <b>f</b> Total. Add lines <b>6d</b> and <b>6e</b> ..... <b>g(1)</b> Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) ..... <b>g(2)</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) ..... <b>h</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<b>6a(1)</b>	17
	<b>6a(2)</b>	16
	<b>6b</b>	2
	<b>6c</b>	3
	<b>6d</b>	21
	<b>6e</b>	0
	<b>6f</b>	21
	<b>6g(1)</b>	
<b>6g(2)</b>		
<b>6h</b>		0
<b>7</b> Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item) .....	<b>7</b>	

**8a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:  
1A

**b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

<b>9a</b> Plan funding arrangement (check all that apply)	<b>9b</b> Plan benefit arrangement (check all that apply)
(1) <input type="checkbox"/> Insurance	(1) <input type="checkbox"/> Insurance
(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts	(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts
(3) <input checked="" type="checkbox"/> Trust	(3) <input checked="" type="checkbox"/> Trust
(4) <input checked="" type="checkbox"/> General assets of the sponsor	(4) <input type="checkbox"/> General assets of the sponsor

**10** Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

**a Pension Schedules**

- (1)  **R** (Retirement Plan Information)
- (2)  **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)  **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4)  **DCG** (Individual Plan Information) – Number Attached \_\_\_\_\_
- (5)  **MEP** (Multiple-Employer Retirement Plan Information)

**b General Schedules**

- (1)  **H** (Financial Information)
- (2)  **I** (Financial Information – Small Plan)
- (3)  **A** (Insurance Information) – Number Attached \_\_\_\_\_
- (4)  **C** (Service Provider Information)
- (5)  **D** (DFE/Participating Plan Information)
- (6)  **G** (Financial Transaction Schedules)

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**Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)**

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**11a** If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) .....  Yes  No

If "Yes" is checked, complete lines 11b and 11c.

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**11b** Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) .....  Yes  No

**11c** Enter the Receipt Confirmation Code for the 2024 Form M-1 annual report. If the plan was not required to file the 2024 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code \_\_\_\_\_

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<b>SCHEDULE SB</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500 or 5500-SF.</b>	<small>OMB No. 1210-0110</small>  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**  
 ▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan <u>BIG RIVERS ELECTRIC CORPORATION RETIREMENT PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>BIG RIVERS ELECTRIC CORPORATION</u>	<b>D</b> Employer Identification Number (EIN) <u>61-0597287</u>	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500	

**Part I Basic Information**

<b>1</b>	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2024</u>		
<b>2</b>	Assets:		
	<b>a</b> Market value .....	<b>2a</b>	<u>6422768</u>
	<b>b</b> Actuarial value .....	<b>2b</b>	<u>6422768</u>
<b>3</b>	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	<b>a</b> For retired participants and beneficiaries receiving payment .....	<u>2</u>	<u>390060</u>
	<b>b</b> For terminated vested participants .....	<u>3</u>	<u>304677</u>
	<b>c</b> For active participants .....	<u>17</u>	<u>5851602</u>
	<b>d</b> Total .....	<u>22</u>	<u>6546339</u>
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>		
	<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>	
	<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>	
<b>5</b>	Effective interest rate .....	<b>5</b>	<u>4.92 %</u>
<b>6</b>	Target normal cost		
	<b>a</b> Present value of current plan year accruals .....	<b>6a</b>	<u>0</u>
	<b>b</b> Expected plan-related expenses .....	<b>6b</b>	<u>0</u>
	<b>c</b> Target normal cost .....	<b>6c</b>	<u>0</u>

**Statement by Enrolled Actuary**  
 To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		<u>10/08/2025</u>
	Signature of actuary	Date
	<u>STACI JAMES, FSA</u>	<u>23-06060</u>
	Type or print name of actuary	Most recent enrollment number
	<u>MERCER</u>	<u>502-561-4500</u>
	Firm name	Telephone number (including area code)
	<u>400 WEST MARKET STREET, SUITE 500 LOUISVILLE, KY 40202-3319</u>	
	Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions

<b>Part II Beginning of Year Carryover and Prefunding Balances</b>		(a) Carryover balance	(b) Prefunding balance
<b>7</b>	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	550000	0
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	66463	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	483537	0
<b>10</b>	Interest on line 9 using prior year's actual return of <u>7.20</u> % .....	34815	0
<b>11</b>	Prior year's excess contributions to be added to prefunding balance:		
	<b>a</b> Present value of excess contributions (line 38a from prior year) .....		0
	<b>b(1)</b> 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>5.04</u> % .....		0
	<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		0
	<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	15076	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	503276	0

<b>Part III Funding Percentages</b>			
<b>14</b>	Funding target attainment percentage .....	<b>14</b>	90.00 %
<b>15</b>	Adjusted funding target attainment percentage .....	<b>15</b>	90.00 %
<b>16</b>	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	97.58 %
<b>17</b>	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	%

<b>Part IV Contributions and Liquidity Shortfalls</b>					
<b>18</b> Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
<b>Totals ▶</b>			<b>18(b)</b>	0	<b>18(c)</b>
					0

<b>19</b>	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
	<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years .....	<b>19a</b> 0
	<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b> 0
	<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date .....	<b>19c</b> 0
<b>20</b>	Quarterly contributions and liquidity shortfalls:	
	<b>a</b> Did the plan have a "funding shortfall" for the prior year? .....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>b</b> If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>c</b> If line 20a is "Yes," see instructions and complete the following table as applicable:	
Liquidity shortfall as of end of quarter of this plan year		
(1) 1st	(2) 2nd	(3) 3rd
0	0	0
		(4) 4th
		0

<b>Part V Assumptions Used to Determine Funding Target and Target Normal Cost</b>			
<b>21</b> Discount rate:			
<b>a</b> Segment rates:	1st segment: 4.75 %	2nd segment: 4.87 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code) .....			<b>21b</b> 4
<b>22</b> Weighted average retirement age .....			<b>22</b> 63
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute			

<b>Part VI Miscellaneous Items</b>			
<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>26</b> Demographic and benefit information			
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. .... <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....			<b>27</b>

<b>Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years</b>			
<b>28</b> Unpaid minimum required contributions for all prior years .....			<b>28</b> 0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....			<b>29</b> 0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....			<b>30</b> 0

<b>Part VIII Minimum Required Contribution For Current Year</b>			
<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c) .....			<b>31a</b> 0
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....			<b>31b</b> 0
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	657721	62947	
<b>b</b> Waiver amortization installment.....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....			<b>33</b>
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....			<b>34</b> 62947
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	64390	0	64390
<b>36</b> Additional cash requirement (line 34 minus line 35) .....			<b>36</b> 0
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....			<b>37</b> 0
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)			<b>38a</b> 0
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances.....			<b>38b</b> 0
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....			<b>39</b> 0
<b>40</b> Unpaid minimum required contributions for all years .....			<b>40</b> 0

<b>Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)</b>			
<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input checked="" type="checkbox"/> 2021			

<b>SCHEDULE I</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Financial Information—Small Plan</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500.</b>	<small>OMB No. 1210-0110</small>  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning **01/01/2024** and ending **12/31/2024**

<b>A</b> Name of plan <b>BIG RIVERS ELECTRIC CORPORATION RETIREMENT PLAN</b>	<b>B</b> Three-digit plan number (PN) ▶ <b>001</b>
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<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 <b>BIG RIVERS ELECTRIC CORPORATION</b>	<b>D</b> Employer Identification Number (EIN) <b>61-0597287</b>
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Complete Schedule I if the plan covered fewer than 100 participants as of the beginning of the plan year. You may also complete Schedule I if you are filing as a small plan under the 80-120 participant rule (see instructions). Complete Schedule H if reporting as a large plan or DFE.

**Part I Small Plan Financial Information**

Report below the current value of assets and liabilities, income, expenses, transfers and changes in net assets during the plan year. Combine the value of plan assets held in more than one trust. Do not enter the value of the portion of an insurance contract that guarantees during this plan year to pay a specific dollar benefit at a future date. Include all income and expenses of the plan including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. **Round off amounts to the nearest dollar.**

		(a) Beginning of Year	(b) End of Year
<b>1 Plan Assets and Liabilities:</b>			
<b>a</b> Total plan assets .....	<b>1a</b>	6422768	5815976
<b>b</b> Total plan liabilities .....	<b>1b</b>		
<b>c</b> Net plan assets (subtract line 1b from line 1a) .....	<b>1c</b>	6422768	5815976
<b>2 Income, Expenses, and Transfers for this Plan Year:</b>		(a) Amount	(b) Total
<b>a</b> Contributions received or receivable:			
<b>(1)</b> Employers .....	<b>2a(1)</b>		
<b>(2)</b> Participants .....	<b>2a(2)</b>		
<b>(3)</b> Others (including rollovers) .....	<b>2a(3)</b>		
<b>b</b> Noncash contributions .....	<b>2b</b>		
<b>c</b> Other income .....	<b>2c</b>	-45654	
<b>d</b> Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c) .....	<b>2d</b>		-45654
<b>e</b> Benefits paid (including direct rollovers) .....	<b>2e</b>	561138	
<b>f</b> Corrective distributions (see instructions) .....	<b>2f</b>		
<b>g</b> Certain deemed distributions of participant loans (see instructions) .....	<b>2g</b>		
<b>h</b> Administrative service providers (salaries, fees, and commissions) .....	<b>2h</b>		
<b>i</b> Other expenses .....	<b>2i</b>		
<b>j</b> Total expenses (add lines 2e, 2f, 2g, 2h, and 2i) .....	<b>2j</b>		561138
<b>k</b> Net income (loss) (subtract line 2j from line 2d) .....	<b>2k</b>		-606792
<b>l</b> Transfers to (from) the plan (see instructions) .....	<b>2l</b>		

**3 Specific Assets:** If the plan held assets at any time during the plan year in any of the following categories, check "Yes" and enter the current value of any assets remaining in the plan as of the end of the plan year. Allocate the value of the plan's interest in a commingled trust containing the assets of more than one plan on a line-by-line basis unless the trust meets one of the specific exceptions described in the instructions.

		Yes	No	Amount
<b>a</b> Partnership/joint venture interests .....	<b>3a</b>		X	
<b>b</b> Employer real property .....	<b>3b</b>		X	
<b>c</b> Real estate (other than employer real property) .....	<b>3c</b>		X	
<b>d</b> Employer securities .....	<b>3d</b>		X	
<b>e</b> Participant loans .....	<b>3e</b>		X	
<b>f</b> Loans (other than to participants) .....	<b>3f</b>		X	
<b>g</b> Tangible personal property .....	<b>3g</b>		X	

<b>Part II</b>	<b>Compliance Questions</b>
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		Yes	No	Amount
<b>4</b> During the plan year:				
<b>a</b> Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.) .....	<b>4a</b>		X	
<b>b</b> Were any loans by the plan or fixed income obligations due the plan in default as of the close of plan year or classified during the year as uncollectible? Disregard participant loans secured by the participant's account balance. ....	<b>4b</b>		X	
<b>c</b> Were any leases to which the plan was a party in default or classified during the year as uncollectible? .....	<b>4c</b>		X	
<b>d</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.) .....	<b>4d</b>		X	
<b>e</b> Was the plan covered by a fidelity bond? .....	<b>4e</b>	X		3000000
<b>f</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	<b>4f</b>		X	
<b>g</b> Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser? .....	<b>4g</b>		X	
<b>h</b> Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser? .....	<b>4h</b>		X	
<b>i</b> Did the plan at any time hold 20% or more of its assets in any single security, debt, mortgage, parcel of real estate, or partnership/joint venture interest? .....	<b>4i</b>		X	
<b>j</b> Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? .....	<b>4j</b>		X	
<b>k</b> Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? If "No," attach an IQPA's report or 2520.104-50 statement. (See instructions on waiver eligibility and conditions.) .....	<b>4k</b>	X		
<b>l</b> Has the plan failed to provide any benefit when due under the plan? .....	<b>4l</b>		X	
<b>m</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	<b>4m</b>		X	
<b>n</b> If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....	<b>4n</b>		X	

**5a** Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?.....  Yes  No  
 If "Yes," enter the amount of any plan assets that reverted to the employer this year \_\_\_\_\_.

**5b** If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

**5c** Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) .....  Yes  No  Not determined  
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 556268.

<b>SCHEDULE R</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Retirement Plan Information</b>  This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500.</b>	<small>OMB No. 1210-0110</small>  <b>2024</b>  <b>This Form is Open to Public Inspection.</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

<b>A</b> Name of plan <u>BIG RIVERS ELECTRIC CORPORATION RETIREMENT PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 <u>BIG RIVERS ELECTRIC CORPORATION</u>	<b>D</b> Employer Identification Number (EIN) <u>61-0597287</u>	

<b>Part I</b>	<b>Distributions</b>
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**All references to distributions relate only to payments of benefits during the plan year.**

**1** Total value of distributions paid in property other than in cash or the forms of property specified in the instructions..... 

1	
---	--

**2** Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):  
EIN(s): \_\_\_\_\_

**Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.**

**3** Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year..... 

3	1
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<b>Part II</b>	<b>Funding Information</b> (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

**4** Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? .....  Yes  No  N/A  
**If the plan is a defined benefit plan, go to line 8.**

**5** If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_  
**If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.**

<b>6 a</b> Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) .....	<b>6a</b>	
<b>b</b> Enter the amount contributed by the employer to the plan for this plan year .....	<b>6b</b>	
<b>c</b> Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....	<b>6c</b>	

**If you completed line 6c, skip lines 8 and 9.**

**7** Will the minimum funding amount reported on line 6c be met by the funding deadline?.....  Yes  No  N/A

**8** If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? .....  Yes  No  N/A

<b>Part III</b>	<b>Amendments</b>
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**9** If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....  Increase  Decrease  Both  No

<b>Part IV</b>	<b>ESOPs</b> (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

**10** Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? .....  Yes  No

**11 a** Does the ESOP hold any preferred stock? .....  Yes  No

**b** If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) .....  Yes  No

**12** Does the ESOP hold any stock that is not readily tradable on an established securities market? .....  Yes  No

**Part V Additional Information for Multiemployer Defined Benefit Pension Plans**

**13** Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. Complete as many entries as needed to report all applicable employers.

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**14** Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

<b>a</b> The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment).....	<b>14a</b>	
<b>b</b> The plan year immediately preceding the current plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	<b>14b</b>	
<b>c</b> The second preceding plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	<b>14c</b>	

**15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

<b>a</b> The corresponding number for the plan year immediately preceding the current plan year .....	<b>15a</b>	
<b>b</b> The corresponding number for the second preceding plan year .....	<b>15b</b>	

**16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

<b>a</b> Enter the number of employers who withdrew during the preceding plan year .....	<b>16a</b>	
<b>b</b> If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	<b>16b</b>	

**17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment .....

**Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans**

**18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment .....

**19** If the total number of participants is 1,000 or more, complete lines (a) and (b):

**a** Enter the percentage of plan assets held as:  
 Public Equity: \_\_\_\_\_% Private Equity: \_\_\_\_\_% Investment-Grade Debt and Interest Rate Hedging Assets: \_\_\_\_\_%  
 High-Yield Debt: \_\_\_\_\_% Real Assets: \_\_\_\_\_% Cash or Cash Equivalents: \_\_\_\_\_% Other: \_\_\_\_\_%

**b** Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:  
 0-5 years  5-10 years  10-15 years  15 years or more

**20 PBGC missed contribution reporting requirements.** If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

**a** Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero?  Yes  No

**b** If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:  
 Yes.  
 No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.  
 No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.  
 No. Other. Provide explanation: \_\_\_\_\_

**Part VII IRS Compliance Questions**

**21a** Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules?  Yes  No

**21b** If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).  
 Design-based safe harbor method  
 "Prior year" ADP test  
 "Current year" ADP test  
 N/A

**22** If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY) and the Opinion Letter serial number \_\_\_\_\_.

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan BIG RIVERS ELECTRIC CORPORATION RETIREMENT PLAN	<b>B</b> Three-digit plan number (PN) ▶	001
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF BIG RIVERS ELECTRIC CORPORATION	<b>D</b> Employer Identification Number (EIN) 61-0597287	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500	

Part I	Basic Information		
<b>1</b> Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2024</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....	<b>2a</b>	6,422,768	
<b>b</b> Actuarial value .....	<b>2b</b>	6,422,768	
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	2	390,060	390,060
<b>b</b> For terminated vested participants .....	3	304,677	304,677
<b>c</b> For active participants .....	17	5,851,602	5,882,476
<b>d</b> Total .....	22	6,546,339	6,577,213
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) .....	<input type="checkbox"/>		
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>		
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>		
<b>5</b> Effective interest rate .....	<b>5</b>	4.92%	
<b>6</b> Target normal cost			
<b>a</b> Present value of current plan year accruals .....	<b>6a</b>	0	
<b>b</b> Expected plan-related expenses .....	<b>6b</b>	0	
<b>c</b> Target normal cost .....	<b>6c</b>	0	

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>	Signature of actuary	<u>10/8/2025</u> Date
	STACI JAMES, FSA Type or print name of actuary	2306060 Most recent enrollment number
	MERCER Firm name	502-561-4500 Telephone number (including area code)
	400 WEST MARKET STREET, SUITE 500 LOUISVILLE KY 40202-3319 Address of the firm	

<b>Part II Beginning of Year Carryover and Prefunding Balances</b>		(a) Carryover balance	(b) Prefunding balance
<b>7</b>	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	550,000	0
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	66,463	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	483,537	0
<b>10</b>	Interest on line 9 using prior year's actual return of <u>7.20%</u> .....	34,815	0
<b>11</b>	Prior year's excess contributions to be added to prefunding balance:		
	<b>a</b> Present value of excess contributions (line 38a from prior year) .....		0
	<b>b(1)</b> 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>5.04%</u> .....		0
	<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	<b>c</b> Total available at beginning of current plan year to add to prefunding balance.....		0
	<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	15,076	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12).....	503,276	0

<b>Part III Funding Percentages</b>			
<b>14</b>	Funding target attainment percentage.....	<b>14</b>	90.00%
<b>15</b>	Adjusted funding target attainment percentage.....	<b>15</b>	90.00%
<b>16</b>	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	<b>16</b>	97.58%
<b>17</b>	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.....	<b>17</b>	%

<b>Part IV Contributions and Liquidity Shortfalls</b>						
<b>18</b> Contributions made to the plan for the plan year by employer(s) and employees:						
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	
<b>Totals ▶</b>			<b>18(b)</b>	0	<b>18(c)</b>	0

<b>19</b>	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years. ....	<b>19a</b>	0
	<b>b</b> Contributions made to avoid restrictions adjusted to valuation date.....	<b>19b</b>	0
	<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	<b>19c</b>	0

<b>20</b>	Quarterly contributions and liquidity shortfalls:		
	<b>a</b> Did the plan have a "funding shortfall" for the prior year? .....	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<b>b</b> If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?.....	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<b>c</b> If line 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

<b>Part V Assumptions Used to Determine Funding Target and Target Normal Cost</b>			
<b>21</b> Discount rate:			
<b>a</b> Segment rates:	1st segment: 4.75%	2nd segment: 4.87%	3rd segment: 5.59%
	<input type="checkbox"/> N/A, full yield curve used		
<b>b</b> Applicable month (enter code).....		<b>21b</b>	4
<b>22</b> Weighted average retirement age .....		<b>22</b>	63
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute			

<b>Part VI Miscellaneous Items</b>	
<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information	
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

<b>Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years</b>	
<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b> 0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b> 0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	<b>30</b> 0

<b>Part VIII Minimum Required Contribution For Current Year</b>			
<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....	<b>31a</b>	0	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	0	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	657,721	62,947	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....	<b>34</b>	62,947	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	64,390	0	64,390
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	0	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	0	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	0	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

<b>Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)</b>	
<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input checked="" type="checkbox"/> 2021	

**Schedule SB, line 22 — Description of Weighted Average Retirement Age**

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 63.

(A) Retirement Age	(B) Retirement Percent	(C) Start	(D) Number of employees expected to Retire (per 100)	(E) Remaining	(F) (A) x (D)
55	3.0%	100.00	3.00	97.00	165.00
56	3.0%	97.00	2.91	94.09	162.96
57	3.0%	94.09	2.82	91.27	160.89
58	3.0%	91.27	2.74	88.53	158.81
59	3.0%	88.53	2.66	85.87	156.70
60	5.0%	85.87	4.29	81.58	257.62
61	5.0%	81.58	4.08	77.50	248.82
62	25.0%	77.50	19.38	58.13	1,201.26
63	15.0%	58.13	8.72	49.41	549.29
64	15.0%	49.41	7.41	42.00	474.30
65	40.0%	42.00	16.80	25.20	1,091.89
66	30.0%	25.20	7.56	17.64	498.91
67	30.0%	17.64	5.29	12.35	354.53
68	15.0%	12.35	1.85	10.49	125.94
69	15.0%	10.49	1.57	8.92	108.62
70	50.0%	8.92	4.46	4.46	312.22
71	50.0%	4.46	2.23	2.23	158.34
72 and above	100%	2.23	2.23	0.00	160.56
<b>Total</b>			100.00		6,346.65
<b>Average</b>					<b>63.47</b>

**Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**

**Actuarial assumptions for January 1, 2024 funding valuation**

<b>Discount rate sponsor elections</b>																						
• Segment rates or full yield curve	Segment																					
• Look-back months	4																					
	<b>Stabilized</b>	<b>Nonstabilized</b>																				
• First 5 years	4.75%	3.62%																				
• Next 15 years	4.87%	4.46%																				
• Over 20 years	5.59%	4.52%																				
• PBGC interest rate basis	Standard basis using PBGC spot rates																					
<b>Mortality sponsor elections</b>																						
• Healthy participants	Section 430(h)(3) prescribed combined static annuitant and nonannuitant mortality tables. These tables are based on the Pri-2012 mortality tables projected with mortality improvement using Scale MP-2021 adjusted in accordance with IRS regulations.																					
<b>Non-417(e) lump sums</b>																						
• Mortality table	GATT 2003 Unisex Mortality Table																					
• Interest rate	3.50% per year																					
<b>Other economic assumptions</b>																						
• Salary increases	Not applicable																					
<b>Demographic assumptions</b>																						
• Withdrawal	60% of ultimate table rates from 2003 Society of Actuaries Pension Plan Turnover Study. See table of sample rates.																					
• Disability incidence	Based on rates from the 1985 Pension Disability Study from the Conference of Consulting Actuaries. See table of sample rates.																					
• Retirement age	<table border="1"> <thead> <tr> <th>Attained age</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>55-59</td> <td>3%</td> </tr> <tr> <td>60-61</td> <td>5%</td> </tr> <tr> <td>62</td> <td>25%</td> </tr> <tr> <td>63-64</td> <td>15%</td> </tr> <tr> <td>65</td> <td>40%</td> </tr> <tr> <td>66-67</td> <td>30%</td> </tr> <tr> <td>68-69</td> <td>15%</td> </tr> <tr> <td>70-71</td> <td>5%</td> </tr> <tr> <td>72 and above</td> <td>100%</td> </tr> </tbody> </table>	Attained age	Percentage	55-59	3%	60-61	5%	62	25%	63-64	15%	65	40%	66-67	30%	68-69	15%	70-71	5%	72 and above	100%	
Attained age	Percentage																					
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68-69	15%																					
70-71	5%																					
72 and above	100%																					
• Benefit commencement age for																						
– Future vested deferred	Immediate																					
– Current vested deferred	Age 65																					
– Future Disabled	Earlier of age 65 and five years after date of disablement																					
– Current Disabled	Earlier of age 65 and five years after date of disablement																					
• Spouse assumptions	<b>Male participants</b>	<b>Female participants</b>																				

**Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**

– Percentage married	100%	100%
– Spouse age difference	Same age	Same age
<b>Form of payment</b>	<b>Lump sum</b>	<b>Single life &amp; 10 year certain</b>
• Active retirements	100%	0%
• Future vested deferred	100%	0%
• Future disabilities	100%	0%
• Future deaths	100%	0%
• Current vested deferred	0%	100%
<b>Unpredictable contingent event assumptions</b>	Not applicable	

**Table of sample rates**

Attained Age	Percentage		
	Withdrawal	Disability Incidence	
		All	Male
35	3.60%	0.069%	0.136%
40	3.30%	0.117%	0.211%
45	3.00%	0.202%	0.323%
50	2.70%	0.358%	0.533%
55	2.40%	0.722%	0.952%
60	2.10%	1.256%	1.159%
65	1.80%	0.000%	0.000%

**Actuarial methods for funding**

**Asset methods**

The asset valuation method is the fair market value.

**Participant methods**

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data on all employees as of the valuation date.
- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date.
- **Insurance contracts:** The plan does not have any insurance contracts.

**Schedule SB, Part V — Statement of Actuarial Assumptions/Methods****Minimum funding methods**

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's **funding target** is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual is the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- This plan provides disability benefits that are only partially based on a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the accrued benefit on the valuation date plus a portion of the excess of the benefit over the accrued benefit multiplied by the ratio of the participant's service at the beginning of the plan year to their service at each decrement age. This benefit is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- The plan's **target normal cost** is the sum of the individual target normal costs, and the plan's **funding target** is the sum of the individual funding targets for all participants under the plan.

**Schedule SB, line 26a — Schedule of Active Participant Data**

Attained age	Years of credited service										Total
	Under 1	1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40 & up	
Under 25											
25–29											
30–34											
35–39				1							1
40–44						1					1
45–49					1						1
50–54						1					1
55–59			1	1	3	2	1	3			11
60–64									2		2
65–69											
70 & up											
Total			1	2	4	4	1	3	2		17

In each cell, the number is the count of active participants for each age/service combination. Average pay is not shown for plans with less than 1,000 active participants

**Schedule SB, line 32 — Schedule of Amortization Bases**

The total shortfall amortization charge is the sum of the individual shortfall amortization installment for each plan year since the IRC Section 430 changes made by ARPA took effect for the plan. Although an individual shortfall amortization installment can be negative, the combined shortfall amortization charge cannot be less than \$0.

<b>Shortfall bases</b>				
<b>Year established</b>	<b>Outstanding balance</b>	<b>Years remaining</b>	<b>2024 installment</b>	
2023	\$ 696,364	14	\$	66,436
2024	(38,643)	15		(3,516)
<b>Total</b>	<b>\$ 657,721</b>		<b>\$</b>	<b>62,947</b>

**Schedule SB, Part V — Summary of Plan Provisions****Summary of major plan provisions**

Effective date and plan year	Original plan: September 1, 1979 (originally effective January 1, 1962) Restated plan: December 31, 2014 Plan year: January 1-December 31
Most recent amendment	Amendment 2 effective December 31, 2021
Status of the plan	The plan is closed to new participants. Prior to December 31, 2021, benefits continued to accrue to active participants except for highly compensated employees, who no longer accrued benefits after the later of January 1, 2017 or the date the participant was considered a highly compensated employee. Effective December 31, 2021, benefits were frozen for all participants.
Significant events that occurred during the year	None

**Definitions**

- Covered employees
 

Bargaining Employees:  
An employee is eligible to participate on the first day of the month following completion of twelve months of employment provided such employee was credited with 1,000 or more hours during that period, and is covered by a collective bargaining agreement. A person who is not an employee as of October 31, 2008 is not eligible for the plan on or after November 1, 2008. Former members rehired after October 31, 2008 re-enter the plan but only earn service for vesting purposes. An employee on October 31, 2008 can elect to cease benefit accrual in the plan if such election occurs between November 1, 2008 and December 31, 2009.

Salaried Employees:  
An employee is eligible to participate on the first day of the month following completion of twelve months of employment provided such employee was credited with 1,000 or more hours during that period, and is not covered by a collective bargaining agreement. A person who is not an active member on December 31, 2007 is not eligible for the plan on or after January 1, 2008. Former members rehired after December 31, 2007 re-enter the plan but only earn service for vesting purposes.
- Vesting service
 

Credit is given for a year's service for each plan year in which an employee is credited with at least one hour of service.
- Credited service
 

Number of plan years on or after January 1, 1977 during which an employee is credited with at least one hour of service. However, if a participant terminates prior to retirement eligibility, a partial year of service equal to the months of employment divided by 12 is credited during such partial year of termination. No highly compensated employee will accrue credited service after the later of January 1, 2017 or the date the participant is considered a highly compensated employee. As of December 31, 2021, no participant will accrue credited service.

**Schedule SB, Part V — Summary of Plan Provisions**

• Average monthly earnings	<p><u>Bargaining Employees:</u> The average of the 5 highest consecutive years of monthly base wages as of each anniversary date during the 10 years before retirement or termination.</p> <p><u>Salaried Employees:</u> Highest 5 of final 10 years of total calendar year earnings divided by 12. Average monthly earnings for highly compensated employees will freeze as of the later freeze as of the later of January 1, 2017 or the date the participant is considered a highly compensated employee.</p> <p>As of December 31, 2021, average monthly earnings is frozen for all participants.</p>
• Accrued benefit	The amount of normal retirement income earned by a member and calculated on the basis of the member's average monthly earnings and credited service as of the date of calculation. As of December 31, 2021, benefits are frozen for all participants.
<b>Normal retirement</b>	
• Eligibility	The first day of the month coincident with or immediately following the member's 65th birthday.
• Benefit	<p><u>Bargaining Employees:</u> A monthly benefit equal to the sum of benefit accrued under prior plan through December 31, 1976, plus 1.5% of average monthly earnings multiplied by years of credited service after December 31, 1976.</p> <p><u>Salaried Employees:</u> A monthly benefit equal to the sum of benefit accrued under prior plan through December 31, 1976, plus 1.7% of average monthly earnings multiplied by years of credited service after December 31, 1976.</p>
<b>Early retirement</b>	
• Eligibility	The first day of any month following the attainment of age 55.
• Benefit	A monthly benefit equal to the accrued benefit as of date of retirement reduced 1/180th for each of the first sixty months and 1/360th for each of the following twenty-four months by which the early retirement date precedes age 62.
<b>Late retirement</b>	
• Eligibility	The first day of any month, subsequent to a member's 65th birthday, in which such member terminates employment.
• Benefit	A monthly benefit based upon average monthly earnings and credited service as of the late retirement date.
<b>Deferred vested</b>	
• Eligibility	An employee is eligible for a termination benefit upon completing 1 year of service.

**Schedule SB, Part V — Summary of Plan Provisions**

<ul style="list-style-type: none"> <li>Benefit</li> </ul>	<p>A monthly benefit payable at normal retirement equal to 100% of the accrued pension provided by employee contributions plus a vested percentage of the employer provided accrued pension based on the participant's service. A participant vests in the employer-paid portion of his benefit according to the following schedule:</p>																
<table border="1"> <thead> <tr> <th data-bbox="695 432 889 464">Years of Service</th> <th data-bbox="1138 432 1365 464">Vesting Percentage</th> </tr> </thead> <tbody> <tr> <td data-bbox="781 478 797 510">1</td> <td data-bbox="1224 478 1279 510">10%</td> </tr> <tr> <td data-bbox="781 525 797 556">2</td> <td data-bbox="1224 525 1279 556">20%</td> </tr> <tr> <td data-bbox="781 571 797 602">3</td> <td data-bbox="1224 571 1279 602">30%</td> </tr> <tr> <td data-bbox="781 617 797 648">4</td> <td data-bbox="1224 617 1279 648">40%</td> </tr> <tr> <td data-bbox="781 663 797 695">5</td> <td data-bbox="1224 663 1279 695">60%</td> </tr> <tr> <td data-bbox="781 709 797 741">6</td> <td data-bbox="1224 709 1279 741">80%</td> </tr> <tr> <td data-bbox="781 756 797 787">7</td> <td data-bbox="1224 756 1279 787">100%</td> </tr> </tbody> </table>		Years of Service	Vesting Percentage	1	10%	2	20%	3	30%	4	40%	5	60%	6	80%	7	100%
Years of Service	Vesting Percentage																
1	10%																
2	20%																
3	30%																
4	40%																
5	60%																
6	80%																
7	100%																
<b>Disability</b>																	
<ul style="list-style-type: none"> <li>Eligibility</li> </ul>	Total and Permanent disability.																
<ul style="list-style-type: none"> <li>Benefit</li> </ul>	<p>A monthly benefit commencing at the earlier of normal retirement age and five years after date of disablement based on the assumption that the participant continues to earn service and credited service and compensation remains at the same level in effect prior to disablement.</p>																
<b>Pre-retirement death</b>																	
<ul style="list-style-type: none"> <li>Eligibility</li> </ul>	Active or deferred vested participant.																
<ul style="list-style-type: none"> <li>Benefit prior to early retirement</li> </ul>	<p>A monthly benefit payable for the life of the beneficiary equal to 50% of the qualified joint and 50% survivor benefit. Such benefit shall be payable the first day of the month coincident with or immediately following the date of death or the first of the month coincident with or immediately following the member's age 55, if later. The death benefit is subject to a minimum of \$50 per month in some cases. Single participants are assumed to be married to a spouse of the same age.</p>																
<b>Form of benefits</b>																	
<ul style="list-style-type: none"> <li>Automatic form for unmarried participants</li> </ul>	Life with 120 guaranteed payments.																
<ul style="list-style-type: none"> <li>Automatic form for married participants</li> </ul>	Qualified joint and 50% survivor annuity.																
<ul style="list-style-type: none"> <li>Optional forms</li> </ul>	Life annuity, life annuity with 120 guaranteed payments, joint and 50%, 66 2/3%, 75% or 100% survivor annuity, lump sum																

**Schedule SB, Part V — Summary of Plan Provisions**

• Actuarial Equivalence	For optional forms of payment, the greater of the benefits based on GATT2003 mortality and 7.00% or 417(e) mortality and interest for the November preceding the plan year in which benefits commence. For lump sums, the greatest amount based on: (1) GATT 2003 mortality table and the 30-year Treasury rate in effect for the November preceding the plan year in which the lump sum occurs (2) PPA mortality and segment rates for the November preceding the plan year in which the lump sum occurs
<b>Miscellaneous</b>	
• Maximum benefits	Annual benefits may not exceed the limits in IRC Section 415. This limit is indexed annually. For 2024, the limit is \$275,000.

**Benefits Included or Excluded**

Unless noted below, all benefits provided by the plan, as restated and amended through valuation date, are included in this valuation:

- **Most recent plan amendments included:** Amendment 2
- **Plan amendments excluded:** None
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Section 415(b) and 401(a)(17) have been incorporated into our calculations.
- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60% of the present value for all participants). However, we expect that the plan is not top-heavy due to the number of rank-and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy benefit accruals.

**Plan provisions specific to funding****Additional benefits included or excluded**

- **IRC Section 436 benefit restrictions:**
  - *Unpredictable contingent event benefits:* This valuation excludes restricted contingent event benefits that occurred before the valuation date but includes contingent event benefits which are expected to occur on or after the valuation date regardless of anticipated funding-based limitations.
  - *Plan amendments:* See above.
  - *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
  - *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.

***Schedule SB, Part V — Summary of Plan Provisions***

**Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.

**Plan provision changes since prior valuation**

Maximum benefit limits were updated from 2023 to 2024.