

**Form 5500-SF**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration  
Pension Benefit Guaranty Corporation

**Short Form Annual Return/Report of Small Employee Benefit Plan**

This form is required to be filed 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-SF.**

OMB Nos. 1210-0110  
1210-0089

**2023**

**This Form is Open to Public Inspection**

**Part I Annual Report Identification Information**

For calendar plan year 2023 or fiscal plan year beginning 01/01/2024 and ending 10/31/2024

- A** This return/report is for:  a single-employer plan  a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)
- B** This return/report is  the first return/report  the final return/report  
 an amended return/report  a short plan year return/report (less than 12 months)
- C** Check box if filing under:  Form 5558  automatic extension  DFVC program  
 special extension (enter description)
- D** If the plan is a collectively-bargained plan, check here ..... ▶
- 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

<b>1a</b> Name of plan <u>BRADFORD LABS, LLC PENSION PLAN</u>	<b>1b</b> Three-digit plan number (PN) ▶	<u>002</u>
	<b>1c</b> Effective date of plan	<u>01/01/2003</u>
<b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>BRADFORD LABS, LLC</u>  <u>216 RIVER STREET</u> <u>HAVERHILL, MA 01832</u>	<b>2b</b> Employer Identification Number (EIN)	<u>04-3433022</u>
	<b>2c</b> Sponsor's telephone number	<u>978-372-9091</u>
	<b>2d</b> Business code (see instructions)	<u>541330</u>
<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>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b>	<u>17</u>
<b>b</b> Total number of participants at the end of the plan year.....	<b>5b</b>	<u>0</u>
<b>c(1)</b> Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) .....	<b>5c(1)</b>	
<b>c(2)</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) .....	<b>5c(2)</b>	
<b>d(1)</b> Total number of active participants at the beginning of the plan year.....	<b>5d(1)</b>	<u>13</u>
<b>d(2)</b> Total number of active participants at the end of the plan year.....	<b>5d(2)</b>	<u>0</u>
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<b>5e</b>	<u>0</u>

**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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	<u>12/19/2024</u>	<u>DONNA FUGERE</u>
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	<u>12/19/2024</u>	<u>DONNA FUGERE</u>
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.).....  Yes  No
- 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? (See instructions on waiver eligibility and conditions.).....  Yes  No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? .....  Yes  No  Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 545283. (See instructions.)

<b>Part III Financial Information</b>			
<b>7</b> Plan Assets and Liabilities		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	9946740	0
<b>b</b> Total plan liabilities .....	<b>7b</b>	0	0
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b>	9946740	0
<b>8</b> Income, Expenses, and Transfers for this Plan Year		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>		
<b>(2)</b> Participants.....	<b>8a(2)</b>		
<b>(3)</b> Others (including rollovers) .....	<b>8a(3)</b>		
<b>b</b> Other income (loss).....	<b>8b</b>	715171	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b).....	<b>8c</b>		715171
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits).....	<b>8d</b>	10634620	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) .	<b>8e</b>		
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>		
<b>g</b> Other expenses .....	<b>8g</b>	27291	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		10661911
<b>i</b> Net income (loss) (subtract line 8h from line 8c).....	<b>8i</b>		-9946740
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>		

<b>Part IV Plan Characteristics</b>	
<b>9a</b>	If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions: 1A 3B 3D 3H 1I 1H
<b>b</b>	If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

<b>Part V Compliance Questions</b>				
<b>10</b> During the plan year:		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<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>10a</b>		X	
<b>b</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.).....	<b>10b</b>		X	
<b>c</b> Was the plan covered by a fidelity bond? .....	<b>10c</b>	X		500000
<b>d</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>10d</b>		X	
<b>e</b> Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.).....	<b>10e</b>		X	
<b>f</b> Has the plan failed to provide any benefit when due under the plan? .....	<b>10f</b>		X	
<b>g</b> Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....	<b>10g</b>		X	
<b>h</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	<b>10h</b>		X	
<b>i</b> If 10h was answered "Yes," check the 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>10i</b>			

**Part VI Pension Funding Compliance**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below.  Yes  No

**a** Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 0

**b** **PBGC missed contribution reporting requirements.** If the plan is covered by PBGC and the amount reported on line 11a is greater than \$0, 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 \_\_\_\_\_

**12** Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA?  Yes  No  
 (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above.

**a** 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 letter ruling granting the waiver. Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.**

**b** Enter the minimum required contribution for this plan year **12b**

**c** Enter the amount contributed by the employer to the plan for this plan year **12c**

**d** Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) **12d**

**e** Will the minimum funding amount reported on line 12d be met by the funding deadline?  Yes  No  N/A

**Part VII Plan Terminations and Transfers of Assets**

**13a** Has a resolution to terminate the plan been adopted in any plan year?  Yes  No

**a** If "Yes," enter the amount of any plan assets that reverted to the employer this year. **13a** 0

**b** Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?  Yes  No

**c** 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.)

<b>13c(1)</b> Name of plan(s):	<b>13c(2)</b> EIN(s)	<b>13c(3)</b> PN(s)

**Part VIII IRS Compliance Questions**

**14a** 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

**14b** 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

**15** 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 03/30/2018 (MM/DD/YYYY) and the Opinion Letter serial number J501939A.

<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>2023</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2024 and ending 06/30/2024

▶ **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>BRADFORD LABS, LLC PENSION PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>002</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>BRADFORD LABS, LLC</u>	<b>D</b> Employer Identification Number (EIN) <u>04-3433022</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>9922117</u>
	<b>b</b> Actuarial value .....	<b>2b</b>	<u>9922117</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>5972088</u>
	<b>b</b> For terminated vested participants .....	<u>2</u>	<u>57963</u>
	<b>c</b> For active participants .....	<u>13</u>	<u>4567249</u>
	<b>d</b> Total .....	<u>17</u>	<u>10597300</u>
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b) .....		
	<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>4.94 %</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>			
	Signature of actuary		<u>12/18/2024</u>
	<u>SIMON R. ENCARNACION</u>		Date
	Type or print name of actuary		<u>23-04718</u>
	<u>ANGELL PENSION GROUP, INC.</u>		Most recent enrollment number
	Firm name		<u>401-438-9250</u>
	<u>88 BOYD AVE</u>		Telephone number (including area code)
	<u>EAST PROVIDENCE, RI 02914</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) .....	0	544728
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	0	544728
<b>10</b>	Interest on line 9 using prior year's actual return of <u>15.28</u> % .....	0	83234
<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) .....		134999
<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>5.06</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 .....		134999
<b>d</b>	Portion of (c) to be added to prefunding balance .....		134999
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12) .....	0	762961

<b>Part III Funding Percentages</b>			
<b>14</b>	Funding target attainment percentage .....	<b>14</b>	86.42 %
<b>15</b>	Adjusted funding target attainment percentage .....	<b>15</b>	86.42 %
<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>	84.63 %
<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 Contributions made to the plan for the plan year by employer(s) and employees:</b>					
(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 type="checkbox"/> Yes <input checked="" 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> 65
<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 checked="" type="checkbox"/> Yes <input 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 .....	1438144		75604	
<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> 75604
	Carryover balance	Prefunding balance	Total balance	
<b>35</b> Balances elected for use to offset funding requirement .....	0	75604	75604	
<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 type="checkbox"/> 2021				

Plan Name: Bradford Labs, LLC Pension Plan

EIN: 04-3433022

Plan Number: 002

Schedule SB, Line 26a -- Schedule of Active Participant Data																				
YEARS OF CREDITED SERVICE																				
Attained Age	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & up	
	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*	No.	Avg. Comp*
Under 25	0		0		0		0		0		0		0		0		0		0	
25 to 29	0		0		0		0		0		0		0		0		0		0	
30 to 34	0		0		0		0		0		0		0		0		0		0	
35 to 39	0		0		1		0		0		0		0		0		0		0	
40 to 44	0		0		0		0		0		1		0		0		0		0	
45 to 49	0		1		2		0		0		1		0		0		0		0	
50 to 54	0		0		1		0		0		2		0		0		0		0	
55 to 59	0		0		2		0		0		0		0		0		0		0	
60 to 64	0		0		0		0		0		1		0		0		0		0	
65 to 69	0		0		0		0		0		0		0		0		0		0	
70 & up	0		0		0		0		0		1		0		0		0		0	
Total	0		1		6		0		0		6		0		0		0		0	

\*The plan is "hard frozen", and average annual accrued benefits are reported in lieu of average annual compensation.

**SECTION XII**  
**ACTUARIAL COST METHODS**

**Traditional Unit Credit (TUC)**

The actuarial cost method used in the development of the minimum contribution was the unit credit cost method.

The normal cost is the sum of all the individual normal costs for each participant. For active participants, the individual normal cost is the present value of the benefit earned during the year being valued. For active participants whose credited service equals or exceeds the plan maximum, if any, and for non-active participants, the normal cost is zero.

The actuarial accrued liability is the sum of the individual accrued liabilities for all participants. The individual accrued liability for an active participant is the present value of the accrued benefit as of the valuation date. The unfunded liability is the actuarial accrued liability less the valuation assets.

The total annual cost of the plan is the normal cost plus an amount to amortize the shortfall amount.

**Projected Unit Credit (PUC)**

The actuarial cost method used in the development of the maximum contribution was the projected unit credit cost method.

Under this method, the normal cost is the sum of the individual normal costs for all participants. For an active participant, the individual normal cost is the present value at the current age of the projected benefit at the assumed retirement age, based on the actuarial assumptions, divided by the participant's expected years of credited service at that age. For a non-active participant, the normal cost is zero.

The actuarial accrued liability is the sum of the individual accrued liabilities for all plan participants. For an active participant, the individual accrued liability is the product of the normal cost and the total years of credited service at the current age. For non-active participants, the individual accrued liability is the present value at the current age of future benefits. The unfunded actuarial accrued liability equals the actuarial accrued liability less the valuation assets.

**SECTION XIII**  
**ACTUARIAL METHODS AND ASSUMPTIONS**

A summary of the actuarial assumptions used in the valuation is presented below:

Valuation Assets

The Actuarial Value of Assets equals the adjusted Market Value of Assets.

IRS Required Discount Rates

Minimum Required Contribution (as adjusted for MAP-21/HATFA/ARPA)

- |  |        |
|--|--------|
| 1. Segment Rate 1 for Years 1 Through 5  | 4.75%. |
| 2. Segment Rate 2 for Years 6 Through 20 | 4.87%. |
| 3. Segment Rate 3 for Years After 20     | 5.59%. |

Maximum Deductible Contribution

- |  |        |
|--|--------|
| 1. Segment Rate 1 for Years 1 Through 5  | 3.62%. |
| 2. Segment Rate 2 for Years 6 Through 20 | 4.46%. |
| 3. Segment Rate 3 for Years After 20     | 4.52%. |

Plan Effective Interest Rate

4.94%.

Financial Accounting Standards Board ASC 960 Discount Rates and Mortality

Discount Rates

Same as Minimum  
Required Contribution

Mortality Tables

- |  |                          |
|--|--------------------------|
| 1. Employee Mortality - Male           | NOT USED                 |
| Employee Mortality - Female            | NOT USED                 |
| 2. Healthy Annuitant Mortality - Male  | 2024 IRS Combined Male   |
| Healthy Annuitant Mortality - Female   | 2024 IRS Combined Female |
| 3. Disabled Annuitant Mortality - Male | 2024 IRS Combined Male   |
| Disabled Annuitant Mortality - Female  | 2024 IRS Combined Female |
| 4. Beneficiary Mortality - Male        | 2024 IRS Combined Male   |
| Beneficiary Mortality - Female         | 2024 IRS Combined Female |

**SECTION XIII**  
**ACTUARIAL METHODS AND ASSUMPTIONS (cont'd)**

<u>Salary Scale</u>	Salaries increases were not assumed in the valuation.
<u>Taxable Wage Base Increase Assumption</u>	No TWB increase was assumed in the valuation.
<u>Social Security CPI Assumption</u>	No CPI increase was assumed in the valuation.
<u>Plan Benefit COLA Assumption</u>	No COLA increase was assumed in the valuation.
<u>Retirement Rates</u>	100% are assumed to retire at Normal Retirement Age.
<u>Termination Rates</u>	Termination Rates were not assumed in the valuation.
<u>Disability Rates</u>	Disability Rates were not assumed in the valuation.
<u>Pre-Retirement Mortality Rates:</u>	Pre-Retirement Mortality was not assumed in the valuation.
<u>Post-Retirement Mortality Rates:</u>	Post-Retirement Mortality was assumed in the valuation.
Male:	2024 IRS Combined Male
Female:	2024 IRS Combined Female

The following are sample post-retirement mortality rates for various ages:

	<b>Male</b>	<b>Female</b>
55	0.002060	0.001380
60	0.004580	0.002990
65	0.008610	0.006190
70	0.014190	0.010820
75	0.024330	0.019750
80	0.044420	0.037150
85	0.081260	0.065270
90	0.147330	0.117900
95	0.233190	0.190200
100	0.327880	0.278620
105	0.421910	0.375760
110	0.494480	0.462820

**SECTION XIII**  
**ACTUARIAL METHODS AND ASSUMPTIONS (cont'd)**

Post-Disablement Mortality Rates Post-Disablement Mortality was assumed in the valuation.

Male: 2024 IRS Combined Male

Female: 2024 IRS Combined Female

The following are sample post-disablement mortality rates for various ages:

	<b>Male</b>	<b>Female</b>
55	0.002060	0.001380
60	0.004580	0.002990
65	0.008610	0.00619
70	0.014190	0.010820
75	0.024330	0.019750
80	0.044420	0.037150
85	0.081260	0.065270
90	0.147330	0.117900
95	0.233190	0.190200
100	0.327880	0.278620
105	0.421910	0.375760
110	0.494480	0.462820

Administrative Expenses None Assumed

Percent Married 100.00 % of males and 100.00 % of females are assumed to be married.

Age of Spouse Spouses of Males are assumed to be 3 year(s) younger than the participant.  
Spouses of Females are assumed to be 3 year(s) older than the participant.

**SECTION XIII (Cont.)**

**SELECTION OF ACTUARIAL ASSUMPTIONS**

Assumption		Entity Who Selects Assumption	Basis for Assumption Selection	Change in Assumption
Segment Interest Rates for Minimum Contribution	Segment 1: 4.75% Segment 2: 4.87% Segment 3: 5.59%	Prescribed by Internal Revenue Service (IRC Sec. 430(h)(2)(C))	The Funding Target Liability for Minimum Contribution is determined using three 24-month average interest rates ("segment rates"), each of which applies to cash flows during specified periods. The Plan Sponsor has elected a 4 month look back for determining these rates each Plan Year. These segment rates are adjusted by the applicable percentage of the 25-year average segment rates.	The segment 1, segment 2 and segment 3 interest rates changed from 4.75%, 5.00%, and 5.74%, respectively as of the prior measurement date, December 31, 2023, to reflect the current prescribed rates. This change increased the Funding Target Liability for Minimum Contribution as of the current measurement date, January 1, 2024, by 1.33%.
Segment Interest Rates for Maximum Contribution	Segment 1: 4.21% Segment 2: 4.86% Segment 3: 4.87%	Prescribed by Internal Revenue Service (IRC Sec. 404(o)(6))	The Funding Target Liability for Maximum Contribution is determined using three 24-month average interest rates ("segment rates"), each of which applies to cash flows during specified periods. The Plan Sponsor has elected a 4 month look back for determining these rates each Plan Year.	The segment 1, segment 2 and segment 3 interest rates changed from 3.42%, 4.33%, and 4.43%, respectively as of the prior measurement date, December 31, 2023, to reflect the current prescribed rates. This change decreased the Funding Target Liability for Maximum Contribution as of the current measurement date, January 1, 2024, by 5.81%.
ASC 960 Interest Rate	Segment 1: 4.75% Segment 2: 4.87% Segment 3: 5.59%	Bradford Labs, LLC	Set equal to the segment rates used to determine the Minimum Contribution.	The ASC 960 interest rate was changed from the segment rates use to calculate the Minimum Require Contribution as of the prior measurement date, December 31, 2023. This change increased the Actuarial Present Value of Accrued Benefits as of the current measurement date, January 1, 2024, by 1.33%.
Inflation Rate	3.00%	The Angell Pension Group, Inc.	Long-term CPI-U experience.	None
Salary Scale	N/A	N/A	Plan benefits are frozen and do not depend on future salary.	None
Taxable Wage Base Increase	N/A	N/A	Plan benefits are frozen and do not depend on future taxable wage base.	None
IRC 415 and 401(a)(17) Limit Projection	N/A	N/A	Projected increases to benefit and pay limits are not applicable under the Actuarial Funding Method used for the Funding Target Liability and the ASC 960 Actuarial Present Value of Accrued Benefits.	None
Pre-Retirement Mortality	N/A	N/A	N/A	None
Post-Retirement Mortality	2024 IRS Optional Combined (M/F)	Prescribed by Internal Revenue Service (IRC Sec. 430(h)(3) for Minimum and IRC Sec. 404(o)(6) for Maximum)	The IRS prescribes by regulation mortality tables to be used in determining minimum and maximum contributions. Those tables are based on the actual experience of pension plans and projected trends in that experience. Current prescribed tables are based on the Pri-2012 Mortality Tables Report, adjusted for mortality improvement using Projection Scale MP-2021. Sponsors of small plans are permitted to use a combined table that applies the same mortality rates to both annuitants and nonannuitants.	The mortality tables changed from the 2023 IRS Optional Combined (M/F) tables as of the prior measurement date, December 31, 2023, to reflect the current prescribed tables. This change increased the Funding Target Liability for Minimum Contribution and decreased the Maximum Contribution as of the current measurement date, January 1, 2024, by 0..20% and 0.97%, respectively.
Pre-Retirement Mortality for ASC 960	N/A	N/A	N/A	None

**SECTION XIII (Cont.)**

**SELECTION OF ACTUARIAL ASSUMPTIONS**

<b>Assumption</b>		<b>Entity Who Selects Assumption</b>	<b>Basis for Assumption Selection</b>	<b>Change in Assumption</b>
Post-Retirement Mortality for ASC 960	2024 IRS Optional Combined (M/F)	Bradford Labs, LLC	The IRS prescribes by regulation mortality tables to be used in determining minimum and maximum contributions. Those tables are based on the actual experience of pension plans and projected trends in that experience. Current prescribed tables are based on the Pri-2012 Mortality Tables Report, adjusted for mortality improvement using Projection Scale MP-2021. Sponsors of small plans are permitted to use a combined table that applies the same mortality rates to both annuitants and nonannuitants.	The mortality tables changed from the 2023 IRS Optional Combined (M/F) tables as of the prior measurement date, December 31, 2023. The change was made to reflect the best estimate of future experience under the plan. This change increased the Actuarial Present Value of Accrued Benefits as of the current measurement date, January 1, 2024, by 0.20%.
Disability Mortality	None	The Angell Pension Group, Inc.	The incidence of disability under the Plan is negligible.	
Disability Rates	None	The Angell Pension Group, Inc.	The incidence of disability under the Plan is negligible.	None
Withdrawal Rates	None	The Angell Pension Group, Inc.	The incidence of withdrawal under the Plan is negligible.	None
Retirement Rates	Active and inactive participants are assumed to retire at age 65.	The Angell Pension Group, Inc.	This assumption was set based on a review of experience under the Plan.	None
Administrative Expenses	Equals the amount of Plan-related expenses paid from Plan assets in the prior Plan year.	The Angell Pension Group, Inc.	Internal Revenue Service regulations require the Target Normal Cost to be increased by the amount of Plan-related expenses expected to be paid from Plan assets during the Plan year. Our best estimate of these expenses is the actual amount of Plan-related expenses paid from Plan assets in the prior Plan year.	None
Percent Married	100% of males and 100% of females are assumed to be married.	The Angell Pension Group, Inc.	This assumption was set based on a review of experience under the Plan.	None
Age of Spouse	The female spouse is assumed to be 3 years younger than the male spouse.	The Angell Pension Group, Inc.	This assumption was set based on a review of experience under the Plan and general experience from similarly situated plans.	None
Form of Payment	Participants are assumed to take 100% Lump Sum	The Angell Pension Group, Inc.	This assumption was set based on a review of experience under the Plan and general experience from similarly situated plans.	None

**Form 5500-SF**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Short Form Annual Return/Report of Small Employee  
Benefit Plan**

This form is required to be filed 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-SF.**

OMB Nos. 1210-0110  
1210-0089

**2023**

**This Form is Open to  
Public Inspection**

**Part I Annual Report Identification Information**

For calendar plan year 2023 or fiscal plan year beginning 01/01/2024 and ending 10/31/2024

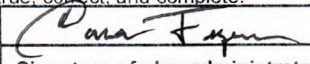
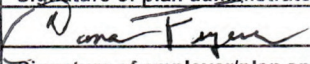
- A** This return/report is for:  a single-employer plan  a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)
- B** This return/report is  the first return/report  the final return/report  
 an amended return/report  a short plan year return/report (less than 12 months)
- C** Check box if filing under:  Form 5558  automatic extension  DFVC program  
 special extension (enter description)
- D** If the plan is a collectively-bargained plan, check here..... ▶
- 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**

<b>1a</b> Name of plan BRADFORD LABS, LLC PENSION PLAN		<b>1b</b> Three-digit plan number (PN) ▶	002
<b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) BRADFORD LABS, LLC  216 RIVER STREET  HAVERHILL MA 01832		<b>1c</b> Effective date of plan	01/01/2003
		<b>2b</b> Employer Identification Number (EIN)	04-3433022
		<b>2c</b> Sponsor's telephone number	978-372-9091
		<b>2d</b> Business code (see instructions)	541330
<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>5a</b> Total number of participants at the beginning of the plan year.....		<b>5a</b>	17
<b>b</b> Total number of participants at the end of the plan year.....		<b>5b</b>	0
<b>c(1)</b> Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item).....		<b>5c(1)</b>	
<b>c(2)</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		<b>5c(2)</b>	
<b>d(1)</b> Total number of active participants at the beginning of the plan year.....		<b>5d(1)</b>	13
<b>d(2)</b> Total number of active participants at the end of the plan year.....		<b>5d(2)</b>	0
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		<b>5e</b>	0

**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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.

<b>SIGN HERE</b>		<u>12/19/24</u>	DONNA FUGERE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>		<u>12/19/24</u>	DONNA FUGERE
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.).....  Yes  No
- 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? (See instructions on waiver eligibility and conditions.).....  Yes  No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? .....  Yes  No  Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 545283. (See instructions.)

<b>Part III Financial Information</b>			
<b>7</b>		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b>	Total plan assets.....	9,946,740	0
<b>b</b>	Total plan liabilities.....	0	0
<b>c</b>	Net plan assets (subtract line 7b from line 7a).....	9,946,740	0
<b>8</b>		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b>	Contributions received or receivable from:		
	(1) Employers.....	<b>8a(1)</b>	
	(2) Participants.....	<b>8a(2)</b>	
	(3) Others (including rollovers).....	<b>8a(3)</b>	
<b>b</b>	Other income (loss).....	715,171	
<b>c</b>	Total income (add lines 8a(1), 8a(2), 8a(3), and 8b).....	<b>8c</b>	715,171
<b>d</b>	Benefits paid (including direct rollovers and insurance premiums to provide benefits).....	10,634,620	
<b>e</b>	Certain deemed and/or corrective distributions (see instructions).....	<b>8e</b>	
<b>f</b>	Administrative service providers (salaries, fees, commissions).....	<b>8f</b>	
<b>g</b>	Other expenses.....	27,291	
<b>h</b>	Total expenses (add lines 8d, 8e, 8f, and 8g).....	<b>8h</b>	10,661,911
<b>i</b>	Net income (loss) (subtract line 8h from line 8c).....	<b>8i</b>	-9,946,740
<b>j</b>	Transfers to (from) the plan (see instructions).....	<b>8j</b>	

<b>Part IV Plan Characteristics</b>	
<b>9a</b>	If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions: 1A 3B 3D 3H 1I 1H
<b>b</b>	If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

<b>Part V Compliance Questions</b>				
<b>10</b>		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<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).....		X	
<b>b</b>	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.).....		X	
<b>c</b>	Was the plan covered by a fidelity bond?.....	X		500,000
<b>d</b>	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?.....		X	
<b>e</b>	Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.).....		X	
<b>f</b>	Has the plan failed to provide any benefit when due under the plan?.....		X	
<b>g</b>	Did the plan have any participant loans? (If "Yes," enter amount as of year-end.).....		X	
<b>h</b>	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.).....		X	
<b>i</b>	If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.....			

**Part VI Pension Funding Compliance**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below.  Yes  No

**a** Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40..... **11a** 0

**b PBGC missed contribution reporting requirements.** If the plan is covered by PBGC and the amount reported on line 11a is greater than \$0, 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 \_\_\_\_\_

**12** Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above.  Yes  No

**a** 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 letter ruling granting the waiver. Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.**

**b** Enter the minimum required contribution for this plan year ..... **12b**

**c** Enter the amount contributed by the employer to the plan for this plan year ..... **12c**

**d** Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) ..... **12d**

**e** Will the minimum funding amount reported on line 12d be met by the funding deadline?  Yes  No  N/A

**Part VII Plan Terminations and Transfers of Assets**

**13a** Has a resolution to terminate the plan been adopted in any plan year?  Yes  No

**a** If "Yes," enter the amount of any plan assets that reverted to the employer this year..... **13a** 0

**b** Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?  Yes  No

**c** 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.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

**Part VIII IRS Compliance Questions**

**14a** 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

**14b** 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

**15** 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 03/30/2018 (MM/DD/YYYY) and the Opinion Letter serial number J501939a.

**SCHEDULE SB  
(Form 5500)**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration  
Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan  
Actuarial Information**

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).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

**2023**

**This Form is Open to Public Inspection**

For calendar plan year 2023 or fiscal plan year beginning 01/01/2024 and ending 06/30/2024

▶ **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.

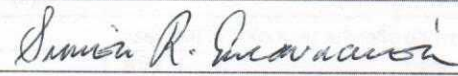
<b>A</b> Name of plan BRADFORD LABS, LLC PENSION PLAN		<b>B</b> Three-digit plan number (PN) ▶	002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF BRADFORD LABS, LLC		<b>D</b> Employer Identification Number (EIN) 04-3433022	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> 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>	9,922,117	
<b>b</b> Actuarial value.....	<b>2b</b>	9,922,117	
<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	5,972,088	5,972,088
<b>b</b> For terminated vested participants.....	2	57,963	57,963
<b>c</b> For active participants.....	13	4,567,249	4,567,249
<b>d</b> Total.....	17	10,597,300	10,597,300
<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>	4.94%	
<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>		<u>12/18/24</u>
	Signature of actuary	Date
SIMON R. ENCARNACION		2304718
	Type or print name of actuary	Most recent enrollment number
ANGELL PENSION GROUP, INC.		401-438-9250
	Firm name	Telephone number (including area code)
88 BOYD AVE		
EAST PROVIDENCE RI 02914		
	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

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	544,728
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year).....	0	0
9	Amount remaining (line 7 minus line 8).....	0	544,728
10	Interest on line 9 using prior year's actual return of <u>15.28</u> %.....	0	83,234
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year).....		134,999
	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>5.06</u> %.....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return.....		0
	c Total available at beginning of current plan year to add to prefunding balance.....		134,999
	d Portion of (c) to be added to prefunding balance.....		134,999
12	Other reductions in balances due to elections or deemed elections.....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12).....	0	762,961

Part III Funding Percentages			
14	Funding target attainment percentage.....	<b>14</b>	86.42 %
15	Adjusted funding target attainment percentage.....	<b>15</b>	86.42 %
16	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>	84.63 %
17	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>	%

Part IV Contributions and Liquidity Shortfalls						
18 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

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

20 Quarterly contributions and liquidity shortfalls:			
a	Did the plan have a "funding shortfall" for the prior year?.....	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
b	If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?.....	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
c 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

**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

**21** Discount rate:

**a** Segment rates:

1st segment: 4.75 %	2nd segment: 4.87 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
------------------------	------------------------	------------------------	---

**b** Applicable month (enter code)..... **21b** 4

**22** Weighted average retirement age ..... **22** 65

**23** Mortality table(s) (see instructions)  Prescribed - combined  Prescribed - separate  Substitute

**Part VI Miscellaneous Items**

**24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ....  Yes  No

**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....  Yes  No

**26** Demographic and benefit information

**a** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....  Yes  No

**b** Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...  Yes  No

**27** If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment ..... **27**

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

**28** Unpaid minimum required contributions for all prior years..... **28** 0

**29** Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a) ..... **29** 0

**30** Remaining amount of unpaid minimum required contributions (line 28 minus line 29) ..... **30** 0

**Part VIII Minimum Required Contribution For Current Year**

**31** Target normal cost and excess assets (see instructions):

**a** Target normal cost (line 6c)..... **31a** 0

**b** Excess assets, if applicable, but not greater than line 31a ..... **31b** 0

**32** Amortization installments:

	Outstanding Balance	Installment
<b>a</b> Net shortfall amortization installment .....	1,438,144	75,604
<b>b</b> Waiver amortization installment .....	0	0

**33** 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 ..... **33**

**34** Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).... **34** 75,604

	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement.....	0	75,604	75,604

**36** Additional cash requirement (line 34 minus line 35) ..... **36** 0

**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) ..... **37** 0

**38** Present value of excess contributions for current year (see instructions)

**a** Total (excess, if any, of line 37 over line 36) ..... **38a** 0

**b** Portion included in line 38a attributable to use of prefunding and funding standard carryover balances ..... **38b** 0

**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) ..... **39** 0

**40** Unpaid minimum required contributions for all years..... **40** 0

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

**41** 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.  2019  2020  2021

As indicated on line 22 of the 2024 Schedule SB, the Weighted Average Retirement Age is 65. Under the 2024 Plan Year, the Weighted Average Retirement Age is the same as the Normal Retirement Age.

## Appendix A

### Summary of Plan Provisions

*Plan Effective Date:* January 1, 2003

*Amendment:* The plan was amended to terminate on June 30, 2024.

*Eligibility Requirements:* All employees excluding non-resident aliens, members of an excluded class and union, subject to:

Age: 21  
Service: 6 months

*Year of Service Vesting:* One year of service for each calendar year period in which an Employee is credited with at least 1,000 Hours of Service.

*Year of Service Benefit Accrual:* One year of service for each calendar year period in which an Employee is credited with at least 501 Hours of Service.

*Normal Retirement Date:* First day of the month coincident with or next following the participant's 65th birthday and 5 Years of Participation.

*Compensation:* The total compensation for the plan year, including bonuses, commissions, overtime, unused sick time, or other special compensation as provided for on participant's W-2.

Effective January 1, 2002, no more than \$200,000 of compensation will be considered for plan purposes. This limit of \$200,000 is subject to the cost of living indexes. Effective January 1, 2024, the limit is \$345,000.

*Average Compensation:* On any given date, the average of an Employee's Compensation for 3 consecutive years (all calendar months, if less than 36) that give the highest average out of all calendar years.

*Normal Retirement*

*Benefit:* Upon normal retirement, each participant will be entitled to a benefit payable in the normal form equal to the following:

3.5% of average compensation per year of participation limited to 20 years.

Benefit is limited by Section 415 of the Internal Revenue Code.

Benefit Accruals ceased effective December 31, 2023.

*Normal Form of Benefit:* Life Annuity

*Accrued Benefit:* The amount a participant would be entitled under the benefit formula based upon the Average Compensation, Years of Participation Service, and the Plan provisions in effect as of the determination.

Credited years are plan years from the first day of the plan year containing the date of entry excluding the following:

Years before January 1, 2003  
Years with less than 501 hours

*Late Retirement:* Participants who continue employment after their Normal Retirement Date are eligible for a Late Retirement Benefit equal the monthly benefit determined under the benefit formula based on Average Compensation and Years of Participation Service determined as of date of termination.

*Termination Benefit:* Upon termination for any reason other than death or retirement, a participant shall be entitled to a portion of the actuarial equivalent of his/her accrued benefit in accordance with the following vesting schedule:

<u>Credited Years</u>	<u>Vested Percent</u>
1	0
2	20
3	40
4	60
5	80
6+	100

Credited years are plan years from the date of hire excluding the following:

Years before January 1, 2003  
Years with less than 1,000 hours

**SECTION V**  
**AMORTIZATION BASES UNDER SECTION 430 OF THE IRS CODE**

**Shortfall Amortization Bases**

<u>Description</u>	<u>Date Base Established</u>	<u>Initial Base</u>	<u>Initial Years</u>	<u>Remaining Years</u>	<u>Present Value of Remaining Payments</u>	<u>Amortization Amount</u>
2024 Shortfall	01/01/2024	\$ -93,328	15	15	\$ -93,328	\$ -8,491
2023 Shortfall	12/31/2023	-587,076	15	14	-563,322	-53,765
2022 Shortfall	12/31/2022	1,798,468	15	13	1,651,499	166,171
2021 Shortfall	12/31/2021	507,204	15	12	443,295	47,293
Subtotal - Shortfall Bases					\$ 1,438,144	\$ 151,208

**Total Amortization Bases \***

**\$ 1,438,144**

**\$ 75,604**

\* Adjusted for short plan year

## **Changes In Actuarial Methods**

Automatic approval under IRS Regulation 1.430(a)-(1)(b)(5) for short plan year as a result of plan termination.

## **Changes In Actuarial Methods**

Automatic approval under Revenue Procedure 2017-56 for a change in valuation date to the first day of the plan year.