

<div>Form 5500</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Annual Return/Report of Employee Benefit Plan</div> <div>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).</div> <div>▶ Complete all entries in accordance with the instructions to the Form 5500.</div>	<div>OMB Nos. 1210-0110 1210-0089</div> <div>2023</div> <div>This Form is Open to Public Inspection</div>
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024	
A	This return/report is for: <div><div>☐ a multiemployer plan</div><div>☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)</div><div>☒ a single-employer plan</div><div>☐ a DFE (specify) _____</div></div>
B	This return/report is: <div><div>☐ the first return/report</div><div>☐ the final return/report</div><div>☐ an amended return/report</div><div>☐ a short plan year return/report (less than 12 months)</div></div>
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: <div><div>☐ Form 5558</div><div>☐ automatic extension</div><div>☐ the DFVC program</div><div>☐ special extension (enter description)</div></div>
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 THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 06/21/1954
2a	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) NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS 1055 CRUPPER AVENUE COLUMBUS, OH 43229
2b	Employer Identification Number (EIN) 31-4262510
2c	Plan Sponsor's telephone number 614-888-8320
2d	Business code (see instructions) 813000

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.

SIGN HERE	Filed with authorized/valid electronic signature.	09/05/2024	STEVE WOLOCK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 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: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 92
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 23 6a(2) 22 6b 50 6c 9 6d 81 6e 10 6f 91 6g(1) 6g(2) 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7

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

1A 1I

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

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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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 0
- (4) ☐ **C** (Service Provider Information)
- (5) ☐ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

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

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.

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 2023 Form M-1 annual report. If the plan was not required to file the 2023 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 _____

<div>SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Single-Employer Defined Benefit Plan Actuarial Information</div> <div>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).</div> <div>▶ File as an attachment to Form 5500 or 5500-SF.</div>	<div>OMB No. 1210-0110</div> <div>2023</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024	
▶ 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.	
A Name of plan THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS	D Employer Identification Number (EIN) 31-4262510
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☒ 100 or fewer ☐ 101-500 ☐ More than 500

Part I	Basic Information			
1	Enter the valuation date: Month 04 Day 01 Year 2023			
2	Assets:			
a	Market value	2a	22727435	
b	Actuarial value	2b	25000178	
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a	For retired participants and beneficiaries receiving payment	60	18312470	18312470
b	For terminated vested participants	9	526598	526598
c	For active participants	23	2395242	2546118
d	Total	92	21234310	21385186
4	If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐			
a	Funding target disregarding prescribed at-risk assumptions	4a		
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	4b		
5	Effective interest rate	5	5.16 %	
6	Target normal cost			
a	Present value of current plan year accruals	6a	5629	
b	Expected plan-related expenses	6b	178000	
c	Target normal cost	6c	183629	

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.

<div>SIGN HERE</div>	<div>Signature of actuary</div> <div>MARTIN E. MOLLOY</div> <div>AON CONSULTING, INC</div> <div>MSC# 17854 AON PO BOX 7505 FORT WASHINGTON, PA 19034</div> <div>Address of the firm</div>	<div>07/25/2024</div> <div>Date</div> <div>23-06227</div> <div>Most recent enrollment number</div> <div>614-825-9412</div> <div>Telephone number (including area code)</div>
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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	7539719
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	478188
9	Amount remaining (line 7 minus line 8)	0	7061531
10	Interest on line 9 using prior year's actual return of <u>-7.99</u> %	0	-564216
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		0
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>5.34</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		0
d	Portion of (c) to be added to prefunding balance		0
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	6497315

Part III Funding Percentages			
14	Funding target attainment percentage	14	86.52 %
15	Adjusted funding target attainment percentage	15	116.90 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	87.92 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

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
Totals ►			18(b)	0	18(c) 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.	19a 0
b Contributions made to avoid restrictions adjusted to valuation date	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c 0
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year?	☒ Yes ☐ No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No
c If line 20a is "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
0	0
(3) 3rd	(4) 4th
0	0

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost
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21 Discount rate:			
a Segment rates:	1st segment: 4.75 %	2nd segment: 5.00 %	3rd segment: 5.74 %
			☐ N/A, full yield curve used
b Applicable month (enter code).....			21b 4
22 Weighted average retirement age			22 63
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI	Miscellaneous Items
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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
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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
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31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6c).....		31a	183629
b Excess assets, if applicable, but not greater than line 31a		31b	0
32 Amortization installments:		Outstanding Balance	Installment
a Net shortfall amortization installment		2882323	284741
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	468370
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	468370	468370
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)
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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
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<div>SCHEDULE I</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Financial Information—Small Plan</div> <div>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).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024	
A Name of plan THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS	D Employer Identification Number (EIN) 31-4262510

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.

1 Plan Assets and Liabilities:		(a) Beginning of Year	(b) End of Year
a Total plan assets.....	1a	22727435	21994026
b Total plan liabilities	1b		
c Net plan assets (subtract line 1b from line 1a)	1c	22727435	21994026
2 Income, Expenses, and Transfers for this Plan Year:		(a) Amount	(b) Total
a Contributions received or receivable:			
(1) Employers	2a(1)		
(2) Participants	2a(2)		
(3) Others (including rollovers)	2a(3)		
b Noncash contributions	2b		
c Other income	2c	994214	
d Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c)	2d		994214
e Benefits paid (including direct rollovers)	2e	1576801	
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Administrative service providers (salaries, fees, and commissions)	2h	150822	
i Other expenses	2i		
j Total expenses (add lines 2e, 2f, 2g, 2h, and 2i)	2j		1727623
k Net income (loss) (subtract line 2j from line 2d)	2k		-733409
l Transfers to (from) the plan (see instructions)	2l		

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
a Partnership/joint venture interests	3a		X	
b Employer real property	3b		X	
c Real estate (other than employer real property)	3c		X	
d Employer securities	3d		X	
e Participant loans	3e		X	
f Loans (other than to participants)	3f		X	
g Tangible personal property	3g		X	

Part II Compliance Questions

4 During the plan year:		Yes	No	Amount
a	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	
4a				
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.		X	
4b				
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible?		X	
4c				
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.)		X	
4d				
e	Was the plan covered by a fidelity bond?	X		1000000
4e				
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f				
g	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?		X	
4g				
h	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?		X	
4h				
i	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?		X	
4i				
j	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4j				
k	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.)	X		
4k				
l	Has the plan failed to provide any benefit when due under the plan?		X	
4l				
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m				
n	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			
4n				

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 529235.

<div>SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Retirement Plan Information</div> <div>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).</div> <div>▶ File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2023</div> <div>This Form is Open to Public Inspection.</div>
For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024		
A Name of plan THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN		B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS		D Employer Identification Number (EIN) 31-4262510
Part I	Distributions	
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 0
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): 23-3060382		
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 0
Part II	Funding Information (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.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c 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)		6c
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		
Part III	Amendments	
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		
Part IV	ESOPs (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		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2023 v. 230707		

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:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)

14a

b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)

14b

c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)

14c

- 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:

a The corresponding number for the plan year immediately preceding the current plan year

15a

b The corresponding number for the second preceding plan year

15b

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

a Enter the number of employers who withdrew during the preceding plan year

16a

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

16b

- 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 _____.

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

Schedule SB, line 26a—Schedule of Active Participant Data as of April 1, 2023

Attained Age	Number of Participants Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29										
30-34										
35-39										
40-44				1						
45-49		4	1		1					
50-54		3	1		1					
55-59			2	1	2					
60-64				3			2			
65-69				1						
70+										

N-23

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

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

For ERISA Requirements

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of December 2022), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor, reflecting ARPA
1st Segment Rate	4.75%
2nd Segment Rate	5.00%
3rd Segment Rate	5.74%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of December 2022), without regard to interest rate stabilization
1st Segment Rate	1.95%
2nd Segment Rate	3.50%
3rd Segment Rate	3.85%
COLA Increases	3.00%
Retirement Age	
Active Participants	See Table 1
Terminated Vested Participants	Age 65
Mortality Rates	
Healthy and Disabled	2023 static mortality table for annuitants and non-annuitants per §1.430(h)(3)- 1(a)(3) and IRS Notice 2022-22
Withdrawal Rates	See Table 2
Disability Rates	None
Decrement Timing	Beginning of year decrements
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are three years older than their spouses.
Benefit Limits	Projected benefits are limited by the current IRC section 415 maximum benefit of \$245,000.

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

For ERISA Requirements

Valuation of Plan Assets	Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.
Expected Return on Assets	
2021 Plan Year	5.00%
2022 Plan Year	3.75%
2023 Plan Year	4.50%
Trust Expenses Included in Target Normal Cost	Based on prior plan year experience.
Actuarial Method	Standard unit credit cost method
Valuation Date	April 1, 2023

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

Table 1

Retirement Rates

Age	Years of Service						
	0-20	21	22	23	24	25-29	30+
55	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
56	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
57	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
58	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
59	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
60	10.00%	10.00%	10.00%	10.00%	10.00%	30.00%	30.00%
61	10.00%	10.00%	10.00%	10.00%	30.00%	30.00%	30.00%
62	20.00%	20.00%	20.00%	30.00%	30.00%	30.00%	30.00%
63	20.00%	20.00%	30.00%	30.00%	30.00%	30.00%	30.00%
64	20.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%
65+	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

Table 2

Withdrawal Rates

Age	Rate	Age	Rate
20	6.5775%	50	1.5245%
21	6.2179%	51	1.1813%
22	5.9081%	52	0.9082%
23	5.6482%	53	0.6879%
24	5.4379%	54	0.4787%
25	5.2704%	55	0.3344%
26	5.1387%	56	0.2074%
27	5.0358%	57	0.1172%
28	4.9547%	58	0.0538%
29	4.8888%	59	0.0161%
30	4.8312%	60+	0.0000%
31	4.7756%		
32	4.7165%		
33	4.6488%		
34	4.5687%		
35	4.4736%		
36	4.3629%		
37	4.2376%		
38	4.1036%		
39	3.9690%		
40	3.8412%		
41	3.7229%		
42	3.6139%		
43	3.5048%		
44	3.3784%		
45	3.2149%		
46	2.9962%		
47	2.7100%		
48	2.3544%		
49	1.9386%		

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan 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.	OMB Nos. 1210-0110 1210-0089 2023 This Form Is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)
	☒ a single-employer plan ☐ a DFE (specify) _____
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 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 (enter description) _____
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 THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN	1b Three-digit plan number (PN) ▶ 001
	1c Effective date of plan 06/21/1954
2a 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) NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS 1055 CRUPPER AVENUE COLUMBUS OH 43229	2b Employer Identification Number (EIN) 31-4262510 2c Plan Sponsor's telephone number 614-888-8320 2d Business code (see instructions) 813000

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.

SIGN HERE		9/5/2024	Steve Wolock
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2023)
v. 2300728

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

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

<p>a Pension Schedules</p> <p>(1) ☒ R (Retirement Plan Information)</p> <p>(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary</p> <p>(3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary</p> <p>(4) ☐ DCG (Individual Plan Information) – Number Attached _____</p> <p>(5) ☐ MEP (Multiple-Employer Retirement Plan Information)</p>	<p>b General Schedules</p> <p>(1) ☐ H (Financial Information)</p> <p>(2) ☒ I (Financial Information – Small Plan)</p> <p>(3) ☐ A (Insurance Information) – Number Attached _____</p> <p>(4) ☐ C (Service Provider Information)</p> <p>(5) ☐ D (DFE/Participating Plan Information)</p> <p>(6) ☐ G (Financial Transaction Schedules)</p>
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Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

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.

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 2023 Form M-1 annual report. If the plan was not required to file the 2023 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 _____

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
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For calendar plan year 2023 or fiscal plan year beginning 04/01/2023 and ending 03/31/2024

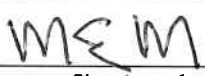
▶ **Round off amounts to nearest dollar.**

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

A Name of plan THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS PENSION PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS	D Employer Identification Number (EIN) 31-4262510
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☒ 100 or fewer ☐ 101-500 ☐ More than 500

Part I Basic Information			
1 Enter the valuation date: Month 04 Day 01 Year 2023			
2 Assets:			
a Market value.....	2a	22,727,435	
b Actuarial value.....	2b	25,000,178	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	60	18,312,470	18,312,470
b For terminated vested participants.....	9	526,598	526,598
c For active participants.....	23	2,395,242	2,546,118
d Total.....	92	21,234,310	21,385,186
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions.....	4a		
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.....	4b		
5 Effective interest rate.....	5	5.16%	
6 Target normal cost			
a Present value of current plan year accruals.....	6a	5,629	
b Expected plan-related expenses.....	6b	178,000	
c Target normal cost.....	6c	183,629	

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.

SIGN HERE		07/25/2024
Signature of actuary		Date
MARTIN E. MOLLOY		2306227
Type or print name of actuary		Most recent enrollment number
AON CONSULTING, INC		614-825-9412
Firm name		Telephone number (including area code)
MSC# 17854 Aon PO Box 7505 Fort Washington PA 19034 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 ☐

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

Schedule SB (Form 5500) 2023
v. 230728

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	7,539,719
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	478,188
9	Amount remaining (line 7 minus line 8)	0	7,061,531
10	Interest on line 9 using prior year's actual return of <u>-7.99</u> %	0	-564,216
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year).....		0
	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>5.34</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.....		0
	d Portion of (c) to be added to prefunding balance.....		0
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	6,497,315

Part III		Funding Percentages	
14	Funding target attainment percentage	14	86.52 %
15	Adjusted funding target attainment percentage	15	116.90 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement.....	16	87.92 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

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
Totals ▶			18(b)	0	18(c)
					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.....	19a 0
b Contributions made to avoid restrictions adjusted to valuation date.	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.	19c 0
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year?	☒ Yes ☐ No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No
c If line 20a is "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
0	0
(3) 3rd	(4) 4th
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: 5.00 %	3rd segment: 5.74 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 63
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	183,629	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	2,882,323	284,741	
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	468,370	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	468,370	468,370
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
--

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

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

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at beginning of year.

(a)	(b)	(c)	(d)
Age	Rate	Weight	Product (a) × (b) × (c)
60	10.00%	1.0000	6.00
61	10.00%	0.9000	5.49
62	20.00%	0.8100	10.04
63	20.00%	0.6480	8.16
64	20.00%	0.5184	6.64
65	100.00%	0.4147	26.96
Weighted Average			63.29

Schedule SB Attachment (Form 5500)—April 1, 2023 Plan Year
The National Board of Boiler and Pressure Vessel Inspectors Pension Plan
EIN: 31-4262510 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods
For ERISA Requirements

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of December 2022), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor, reflecting ARPA
1st Segment Rate	4.75%
2nd Segment Rate	5.00%
3rd Segment Rate	5.74%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of December 2022), without regard to interest rate stabilization
1st Segment Rate	1.95%
2nd Segment Rate	3.50%
3rd Segment Rate	3.85%
COLA Increases	3.00%
Retirement Age	
Active Participants	See Table 1
Terminated Vested Participants	Age 65
Mortality Rates	
Healthy and Disabled	2023 static mortality table for annuitants and non-annuitants per §1.430(h)(3)- 1(a)(3) and IRS Notice 2022-22
Withdrawal Rates	See Table 2
Disability Rates	None
Decrement Timing	Beginning of year decrements
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are three years older than their spouses.
Benefit Limits	Projected benefits are limited by the current IRC section 415 maximum benefit of \$245,000.

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For ERISA Requirements

Valuation of Plan Assets

Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.

Expected Return on Assets

2021 Plan Year	5.00%
2022 Plan Year	3.75%
2023 Plan Year	4.50%

Trust Expenses Included in Target Normal Cost

Based on prior plan year experience.

Actuarial Method

Standard unit credit cost method

Valuation Date

April 1, 2023

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Table 1
Retirement Rates

Age	Years of Service						
	0-20	21	22	23	24	25-29	30+
55	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
56	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
57	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
58	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
59	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%
60	10.00%	10.00%	10.00%	10.00%	10.00%	30.00%	30.00%
61	10.00%	10.00%	10.00%	10.00%	30.00%	30.00%	30.00%
62	20.00%	20.00%	20.00%	30.00%	30.00%	30.00%	30.00%
63	20.00%	20.00%	30.00%	30.00%	30.00%	30.00%	30.00%
64	20.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%
65+	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

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Table 2

Withdrawal Rates

Age	Rate	Age	Rate
20	6.5775%	50	1.5245%
21	6.2179%	51	1.1813%
22	5.9081%	52	0.9082%
23	5.6482%	53	0.6879%
24	5.4379%	54	0.4787%
25	5.2704%	55	0.3344%
26	5.1387%	56	0.2074%
27	5.0358%	57	0.1172%
28	4.9547%	58	0.0538%
29	4.8888%	59	0.0161%
30	4.8312%	60+	0.0000%
31	4.7756%		
32	4.7165%		
33	4.6488%		
34	4.5687%		
35	4.4736%		
36	4.3629%		
37	4.2376%		
38	4.1036%		
39	3.9690%		
40	3.8412%		
41	3.7229%		
42	3.6139%		
43	3.5048%		
44	3.3784%		
45	3.2149%		
46	2.9962%		
47	2.7100%		
48	2.3544%		
49	1.9386%		

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Schedule SB, Part V—Summary of Plan Provisions

The following summary describes principal plan provisions assumed in calculating the cost of your pension plan.

General Information

Original Effective Date	June 21, 1954
Effective Date of Last Amendment	November 1, 2015
Plan Year	April 1 to March 31
Employer Fiscal Year	July 1 to June 30
Employer ID Number	31-4262510
Plan Number	001
Plan Administrator	The National Board of Boiler and Pressure Vessel Inspectors

Eligibility

All employees of the employer are eligible to participate on the April 1 nearest the completion of one year of service. No new participants will enter after June 30, 2012.

Service

Service shall equal total years of service with the employer. A year of service is credited for each plan year in which an employee works 1,000 hours. Service for benefit accrual purposes is frozen as of June 30, 2012.

A break in service occurs at the start of any plan year in which the employee works 500 hours or less for the employer in such year, if his employment has terminated. Service will not be interrupted by:

- (1) Involuntary layoff determined by the employer, not exceeding one year;
- (2) A leave of absence granted by the employer;
- (3) A period of service in the Armed Forces of the United States under which employment rights are granted.

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An employee will be given credit for his pre-break service if either of the following occurs:

- (1) The employee had a vested interest in his accrued benefit at the time of his break in service; or
- (2) The employee's period of absence was less than the greater of his pre-break service or five years.

Normal Retirement Date

Normal retirement date is the earlier of the first day of the month coincident with or next following the later of (i) age 65 and (ii) the date the participant completes five years of service.

Normal Retirement Benefit

The amount of annual benefit to be paid in monthly installments for life, based on service to normal retirement date, is 50% of average monthly compensation reduced one-fifteenth for each year and fraction thereof for each month by which such participant's years of credited service is less than 15 years. No participant will accrue any additional benefit after June 30, 2012.

Delayed Retirement

A participant may continue in the employment of the employer after his normal retirement date. In such event he will receive at actual retirement the benefit he would have received on his normal retirement date, actuarially increased to reflect delayed payment. However the benefit will not be less than the benefit determined reflecting service and compensation to such date. No participant will accrue any additional benefit after June 30, 2012.

Average Monthly Compensation

The average of the highest five consecutive calendar years of compensation preceding the date of determination. Participant's average monthly compensation shall be frozen and calculated as of June 30, 2012.

Accrued Benefit

The accrued benefit at any time prior to a participant's normal retirement date shall be the benefit described as the normal retirement benefit, using average monthly compensation as of the date of determination, and shall be multiplied by a fraction (not exceeding 1). The numerator is the participant's actual years of service as of the date of determination, and the denominator is the participant's expected years of service at normal

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retirement. No participant will accrue any additional benefit after June 30, 2012.

Early Retirement Benefit

Upon the completion of 12 years of service and the attainment of age 55, a participant may elect to retire. He may receive a monthly benefit for life beginning at his normal retirement date equal to the accrued benefit at early retirement date. Payments may begin immediately, with the benefit being reduced one-fifteenth for each of the first five years and one-thirtieth for each of the next five years by which the payment date precedes the normal retirement date.

For participants employed on or after April 1, 1990, an unreduced benefit is available upon the attainment of 1) age 60, 2) completion of 20 years of service, and 3) age plus service equals or exceeds 85. For participants employed on or after March 1, 2007, the accrued benefit is available upon the attainment of 1) age 55, and 2) completion of 30 years of service.

For participants who have completed at least 20 years of service between January 1, 2010 and June 30, 2012 and are actively employed any time between March 1, 2007 and June 30, 2012 are entitled to an early retirement subsidy upon the attainment of 1) age 55 and 2) completion of 30 years of service. At such time, the plan benefit will be the normal retirement benefit as of June 30, 2012 without applying the service proration defined in the accrued benefit definition.

Disability Retirement Benefit

A participant who becomes totally and permanently disabled before his normal retirement date may retire after leaving employment due to the disability and being determined to be disabled under the Social Security Act. The disability retirement benefit is equal to the participant's normal retirement benefit at disability.

Death Benefit

In the event of a married participant's death after the completion of five years of service, but prior to meeting the requirements for early retirement, it will be assumed the participant had terminated employment the day prior to death, survived to his early retirement date, elected a 50% joint and survivor annuity, and died the following day.

In the event of a married participant's death after meeting the requirements for early retirement, his

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surviving spouse will receive one-half of the 50% joint and survivor annuity calculated on the day before his death.

For a vested terminated participant, death benefits are calculated as for active participants, but based on the participant's accrued benefit at his termination date.

Severance Benefit

Upon the termination of employment after five or more years of service, a participant shall have a vested interest in his accrued benefit which will be payable at normal retirement date. The percentage vested shall be:

Years of Service	Vested Percent
Less than 5	0%
5 or more	100%

A participant who terminates with 12 or more years of service may elect to receive his vested interest as early as age 55. Such benefit will be reduced as described under early retirement benefits.

Optional Methods of Settlement

All optional methods of settlement are actuarially equivalent to the normal form of annuity. If a married participant does not elect the normal form of annuity or does not elect one of the optional methods of settlement described below, then the participant's retirement benefit shall automatically be paid under option (1) below. The options are:

- (1) A benefit to be paid during the participant's lifetime with one half the benefit to be continued to his spouse for her lifetime after his death.
- (2) A benefit to be paid during the participant's lifetime with three-fourths the benefit to be continued to his spouse for her lifetime after his death.
- (3) A benefit to be paid during the participant's lifetime with the same benefit to be continued to his spouse for her lifetime after his death.
- (4) A benefit payable in equal installments during the participant's lifetime.
- (5) A benefit to be paid for 120 months certain and thereafter for life.

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- (6) A lump sum settlement under \$5,000 for vested participants.

For those eligible for COLA increases, additional forms of payment which provide an increased benefit in lieu of future COLA increases are also available.

Adjustment for Cost of Living Increase

For participants who enter the plan prior to November 1, 2004, as of the first day of each plan year the monthly benefit of each participant or beneficiary receiving a benefit in the form of an annuity shall be increased proportionately to the increase in Consumer Price Index for all Urban Customers for the month of January of the immediately preceding plan year.

Plan Changes Since the Prior Year

The funding, financial accounting, and plan reporting valuations do not reflect any plan changes.

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

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Schedule SB, line 24—Change in Actuarial Assumptions

The financial accounting valuation reflects the following assumption changes:

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The assumption change was made to better reflect the anticipated plan experience. This change did not reduce the funding shortfall, so approval of the Commissioner is not required.

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Schedule SB, line 26a—Schedule of Active Participant Data as of April 1, 2023

Attained Age	Number of Participants Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29										
30-34										
35-39										
40-44				1						
45-49		4	1		1					
50-54		3	1		1					
55-59			2	1	2					
60-64				3			2			
65-69				1						
70+										

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Schedule SB, line 32—Schedule of Amortization Bases

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	\$ 1,866,365	April 1, 2021	13	\$ 188,828
Shortfall	\$ 646,309	April 1, 2022	14	\$ 62,060
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Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at beginning of year.

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
60	10.00%	1.0000	6.00
61	10.00%	0.9000	5.49
62	20.00%	0.8100	10.04
63	20.00%	0.6480	8.16
64	20.00%	0.5184	6.64
65	100.00%	0.4147	26.96
Weighted Average			63.29

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