

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

2024

This Form is Open to Public Inspection

Part I Annual Report Identification Information

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

- A This return/report is for: [X] 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: [X] 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

1a Name of plan ESSEX MANUFACTURING, INC. RETIREMENT PLAN
1b Three-digit plan number (PN) 002
1c Effective date of plan 01/01/2017
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) ESSEX MANUFACTURING, INC.
432 PARK AVENUE SOUTH
14TH FLOOR
NEW YORK, NY 10016
2b Employer Identification Number (EIN) 58-1344339
2c Sponsor's telephone number 212-239-0080
2d Business code (see instructions) 315990
3a Plan administrator's name and address [X] Same as Plan Sponsor.
3b Administrator's EIN
3c Administrator's telephone number
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
5a Total number of participants at the beginning of the plan year 26
b Total number of participants at the end of the plan year 25
c(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)
c(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)
d(1) Total number of active participants at the beginning of the plan year 22
d(2) Total number of active participants at the end of the plan year 22
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested 1

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.

Table with 4 columns: SIGN HERE, Signature of plan administrator, Date, SANDRA DAVIS. Second row: SIGN HERE, Signature of employer/plan sponsor, Date, SANDRA DAVIS.

- 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: 540090. (See instructions.)

Part III Financial Information			
7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	745666	858947
b Total plan liabilities	7b		
c Net plan assets (subtract line 7b from line 7a)	7c	745666	858947
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	300865	
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	95778	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		396643
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	283362	
e Certain deemed and/or corrective distributions (see instructions) .	8e		
f Administrative service providers (salaries, fees, commissions)	8f		
g Other expenses	8g		
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		283362
i Net income (loss) (subtract line 8h from line 8c)	8i		113281
j Transfers to (from) the plan (see instructions)	8j		

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

Part V Compliance Questions				
10 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)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c	X		500000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e 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.)	10e		X	
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h		X	
i 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	10i			

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**

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 01 / 01 / 2024 (MM/DD/YYYY) and the Opinion Letter serial number _____.

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

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

A Name of plan <u>ESSEX MANUFACTURING, INC. RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>ESSEX MANUFACTURING, INC.</u>	D Employer Identification Number (EIN) <u>58-1344339</u>	
E Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	F 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

1	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2024</u>		
2	Assets:		
	a Market value	2a	<u>742249</u>
	b Actuarial value	2b	<u>742249</u>
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	<u>0</u>	<u>0</u>
	b For terminated vested participants	<u>4</u>	<u>92362</u>
	c For active participants	<u>22</u>	<u>567861</u>
	d Total	<u>26</u>	<u>660223</u>
4	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>		
	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	<u>5.01 %</u>
6	Target normal cost		
	a Present value of current plan year accruals	6a	<u>269525</u>
	b Expected plan-related expenses	6b	<u>0</u>
	c Target normal cost	6c	<u>269525</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.

SIGN HERE		
	Signature of actuary	<u>07/31/2025</u> Date
	<u>CARL WARSAW, EA, MAAA</u> Type or print name of actuary	<u>23-08810</u> Most recent enrollment number
	<u>USI CONSULTING GROUP</u> Firm name	<u>516-683-6100</u> Telephone number (including area code)
	<u>725 RXR PLAZA, EAST TOWER UNIONDALE, NY 11556</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

Part V Assumptions Used to Determine Funding Target and Target Normal Cost				
21 Discount rate:				
a Segment rates:	1st segment: 4.75 %	2nd segment: 4.96 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 65
23 Mortality table(s) (see instructions)	<input type="checkbox"/> Prescribed - combined	<input checked="" type="checkbox"/> Prescribed - separate	<input type="checkbox"/> 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..... <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
26 Demographic and benefit information				
a 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 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				
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 269525
b Excess assets, if applicable, but not greater than line 31a				31b 71097
32 Amortization installments:	Outstanding Balance		Installment	
a Net shortfall amortization installment	0		0	
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 198428
	Carryover balance	Prefunding balance	Total balance	
35 Balances elected for use to offset funding requirement	0	0	0	
36 Additional cash requirement (line 34 minus line 35)				36 198428
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)				37 283230
38 Present value of excess contributions for current year (see instructions)				
a Total (excess, if any, of line 37 over line 36)				38a 84802
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. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021				

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

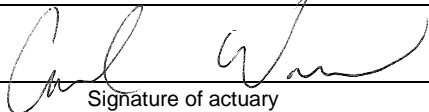
▶ **Round off amounts to nearest dollar.**
 ▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan Essex Manufacturing, Inc. Retirement Plan	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Essex Manufacturing, Inc.	D Employer Identification Number (EIN) 58-1344339	
E Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	F 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

1	Enter the valuation date: Month <u>1</u> Day <u>1</u> Year <u>2024</u>		
2	Assets:		
	a Market value	2a	742,249
	b Actuarial value	2b	742,249
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	0	0
	b For terminated vested participants	4	92,362
	c For active participants	22	567,861
	d Total	26	660,223
4	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>		
	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	5.01 %
6	Target normal cost		
	a Present value of current plan year accruals	6a	269,525
	b Expected plan-related expenses	6b	0
	c Target normal cost	6c	269,525

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	 Signature of actuary	<u>07/31/2025</u> Date
	<u>Carl Warsaw, EA, MAAA</u> Type or print name of actuary	<u>23-08810</u> Most recent enrollment number
	<u>USI Consulting Group</u> Firm name	<u>(516) 683-6100</u> Telephone number (including area code)
	<u>725 RXR Plaza, East Tower</u> <u>Uniondale NY 11556</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

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	0
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	0
10	Interest on line 9 using prior year's actual return of _____%.....	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		45,237
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>5.09</u> %		2,303
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		47,540
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	0

Part III Funding Percentages			
14	Funding target attainment percentage.....	14	110.59%
15	Adjusted funding target attainment percentage	15	110.59%
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	108.61%
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
03/27/2025	300,865				
			Totals ▶	18(b)	300,865
				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 283,230
20	Quarterly contributions and liquidity shortfalls:	
a	Did the plan have a "funding shortfall" for the prior year?	<input type="checkbox"/> Yes <input checked="" 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 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

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

21 Discount rate:				
a Segment rates:	1st segment: 4.75 %	2nd segment: 4.96 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 65
23 Mortality table(s) (see instructions) <input type="checkbox"/> Prescribed - combined <input checked="" type="checkbox"/> Prescribed - separate <input type="checkbox"/> 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.....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
26 Demographic and benefit information	
a 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 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
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	269,525	
b Excess assets, if applicable, but not greater than line 31a	31b	71,097	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	0	0	
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	198,428	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	198,428	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	283,230	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	84,802	
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. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021	
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ESSEX MANUFACTURING, INC. RETIREMENT PLAN

EIN: 58-1344339

PN: 002

2024 FORM 5500 – SCHEDULE SB, LINE 19 - DISCOUNTED EMPLOYER CONTRIBUTIONS

Valuation Date: January 1, 2024

2024 Effective Interest Rate: 5.01%

Contribution:

<u>(Date)</u>	<u>Amount (\$)</u>	<u>Number of Days to Valuation Date</u>	<u>Discounted to Valuation Date</u>
March 27, 2025	\$300,865	451	\$283,230

TOTALS \$300,865 \$283,230

ESSEX MANUFACTURING, INC. RETIREMENT PLAN

EIN: 58-1344339

PN: 002

2024 FORM 5500 – SCHEDULE SB, LINE 22- DESCRIPTION OF WEIGHTED AVERAGE RETIREMENT AGE

Participants are assumed to retire at age 65.

ESSEX MANUFACTURING, INC. RETIREMENT PLAN

EIN: 58-1344339

PN: 002

2024 FORM 5500 – SCHEDULE SB, LINE 24- CHANGES IN ACTUARIAL ASSUMPTIONS

To better reflect plan experience, the assumed future return on plan assets was changed from the IRC 404(o) funding segment rates for the first calendar month of the year to 3.75% per annum.

ESSEX MANUFACTURING, INC. RETIREMENT PLAN

EIN: 58-1344339

PN: 002

2024 FORM 5500 – SCHEDULE SB, LINE 26 – SCHEDULE OF ACTIVE PARTICIPANT DATA

Age and Service Information

Age	Benefit Service								Total
	Under 1	1-5	5-10	10-15	15-20	20-25	25-30	30+	
Under 25	0	0	0	0	0	0	0	0	0
25 - 29	1	2	0	0	0	0	0	0	3
30 - 34	0	1	2	0	0	0	0	0	3
35 - 39	0	0	0	0	0	0	0	0	0
40 - 44	0	0	1	0	0	0	0	0	1
45 - 49	0	0	0	0	0	0	0	0	0
50 - 54	1	0	2	0	0	0	0	0	3
55 - 59	0	0	3	0	0	0	0	0	3
60 - 64	0	1	3	0	0	0	0	0	4
65 +	0	1	4	0	0	0	0	0	5
Totals	2	5	15	0	0	0	0	0	22

**ESSEX MANUFACTURING, INC.
RETIREMENT PLAN**

Valuation as of January 1, 2024

Valuation Assumptions and Funding Methods

I. Valuation Method

The unit credit cost method, where the funding target is equal to the sum of the individual liabilities for all the participants. The individual's accrued liability is the present value of the benefit accrued in the prior plan years. The target normal cost is the present value of benefits accruing in the plan year.

II. Actuarial Value of Assets

Market value of assets as of valuation date plus discounted contributions receivable.

III. Employees Included in the Calculations

Based on employee data received from Essex Manufacturing, Inc., all eligible employees as of the valuation date are included in the calculations.

IV. Economic Assumptions

A. Interest Rates for Minimum Funding Requirement:

	<u>Current Year*</u>	<u>Prior Year</u>
Segment 1 (0 – 5 years):	4.75%	4.75%
Segment 2 (5 – 20 years):	4.96%	5.00%
Segment 3 (20 + years):	5.59%	5.74%
Effective Interest Rate:	5.01%	5.09%
Look Back Month	None (January)	None (January)

* Reflects the interest rate amendments under Section 9706 of ARPA for 2021

B. Interest Rates for Maximum Tax-Deductible Contribution:

	<u>Current Year</u>	<u>Prior Year</u>
Segment 1 (0 – 5 years):	4.37%	2.13%
Segment 2 (5 – 20 years):	4.96%	3.62%
Segment 3 (20 + years):	4.95%	3.93%

C. Interest Rates for PBGC Premium Filing

	<u>Current Year*</u>	<u>Prior Year*</u>
Segment 1 (0 – 5 years):	5.01%	4.84%
Segment 2 (5 – 20 years):	5.13%	5.15%
Segment 3 (20 + years):	5.15%	4.85%

* Based on Standard premium funding target method

**ESSEX MANUFACTURING, INC.
RETIREMENT PLAN**

Valuation as of January 1, 2024

Valuation Assumptions and Funding Methods (Cont'd)

IV. Economic Assumptions (Cont'd)

D. Future Return on Plan Assets

Assumed to be 3.75% per annum. Last year was based on IRC 404(o) funding segment rates, for the first calendar month of the plan year.

E. Salary Progression

3.00% compounded annually

V. Demographic Assumptions

A. Mortality

2024 Static Mortality Table (Annuitant and Non-Annuitant)
2023 Static Mortality Table (Annuitant and Non-Annuitant) was used last year.

B. Termination Rates

Not assumed

C. Retirement Assumption

All employees are assumed to retire at age 65.

D. Retirement Payment Option

It was assumed that 100% of retirees would elect a lump sum distribution.

E. Plan Expense

Not assumed

**ESSEX MANUFACTURING, INC.
RETIREMENT PLAN**

Valuation as of January 1, 2024

Summary of Plan Provisions

EIN:	58-1344339
PN:	002
Effective Date:	January 1, 2017
Eligibility:	21 years of age with 1 year of service
Entry Date:	The earlier of the first day of the plan year or the first day of the seventh month of such plan year coinciding with or next following the date such employee met the eligibility requirements
Eligible Employees:	All employees except Highly Compensated Employees other than Employees listed by name in Section 5.1(a) of the Plan Document, Employees who terminated prior to the adoption date of the plan, leased employees, certain non-resident aliens, and those subject to collective bargaining
Early Retirement Benefit:	Not provided for this plan
Normal Retirement Age:	Participant's 62 nd Birthday
Normal Retirement Date:	The date at which the Participant attains Normal Retirement Age
Normal Retirement Benefit:	Equals the number of the participant's Benefit Units multiplied by the value of such Benefit Units

Definition of Benefit Units

The "Benefit Units" earned by each Participant during any Plan Year will be based on an amount equal to the Applicable Percentage indicated in the table below multiplied by the Compensation (not to exceed \$270,000 for participants listed by name in the table below) earned by such Participant for such Plan Year and then divided by the Unit Value as of the March 31st of the year immediately following such Plan Year computed to the nearest cent.

**ESSEX MANUFACTURING, INC.
RETIREMENT PLAN**

Valuation as of January 1, 2024

Summary of Plan Provisions (Cont'd)

Normal Retirement Benefit(Cont'd):	Peter Baum	3.021237% of Compensation
	William Baum	2.955260% of Compensation
	Robin T Baum	2.154413% of Compensation
	Judith Kessler-Baum	2.187472% of Compensation
	Sandra Davis	0.50% of Compensation
	Staff	0.50% of Compensation

Definition of Unit Value

Unit Value means \$1.00, increased or decreased, as the case may be, by the sum of one plus the actual net rate of return on the Plan's assets (excluding Participant's Retirement Investment Accounts) taking into account all expenses from the date of Plan inception to the date of valuation divided by the sum of one plus the Assumed Interest Rate (5% per annum) from the date of Plan inception to the date of valuation. In the event that the Plan is terminated, the Unit Value shall cease to fluctuate as of the date Plan assets are either distributed to Participants or used to purchase a termination annuity from an insurance company.

Eligibility for Benefit Accrual:	Completing 1,000 Hours of Service during Plan Year
Compensation:	Code 3401(a) compensation, excluding pre-participation pay (Compensation is limited to the Internal Revenue Code maximum of \$345,000 for 2024.)
Top Heavy Status:	Assumed to be Top-Heavy for 2024. (A participant's Top-Heavy minimum benefits are deemed to be satisfied by a 5% of compensation non-elective contribution to the Essex Manufacturing, Inc. 401(k) Profit Sharing Plan, if applicable)

**ESSEX MANUFACTURING, INC.
RETIREMENT PLAN**

Valuation as of January 1, 2024

Summary of Plan Provisions (Cont'd)

Normal Form of Benefit:	50% Joint & Survivor Annuity for married participants and Single Life Annuity for single participants
Optional Forms of Benefit:	75% Joint & Survivor Annuity, 100% Joint & Survivor Annuity, Lump Sum
Year of Vesting Service:	Plan Year during which an employee has at least 1,000 hours of service
Vesting Schedule:	6-Year Graded
Termination Benefit:	Actuarial equivalent of Vested Accrued Benefit
Death Benefit:	Actuarial equivalent of Accrued Benefit
Disability Benefit:	Actuarial equivalent of Accrued Benefit
Maximum Benefit:	Benefits may not exceed the maximum limitation defined by the Internal Revenue Code (\$275,000 for 2024).
Actuarial Equivalence:	Pre-Retirement Mortality Table: None; Pre-Retirement Interest: 5.0% Post-Retirement Mortality Table: RP-2014 Mortality Table adjusted to the base year of 2006, combining annuitant and non-annuitant tables using the methodology described in Code Section 1.430(h)(3)-1(b)(2), projecting forward to 2030 using Scale MP-2016 with the methodology described in Code Section 1.430(h)(3)-1(c), blending 50% male and 50% female; Post-Retirement Interest: 5.0%