

<b>Form 5500-SF</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Short Form Annual Return/Report of Small Employee Benefit Plan</b>  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).  <b>► Complete all entries in accordance with the instructions to the Form 5500-SF.</b>	OMB Nos. 1210-0110 1210-0089  <div style="border: 1px solid black; text-align: center; padding: 5px; font-weight: bold; font-size: 1.2em;">2018</div> <b>This Form is Open to Public Inspection</b>
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<b>Part I Annual Report Identification Information</b>	
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>	
<b>A</b> This return/report is for:	<input checked="" type="checkbox"/> a single-employer plan <input type="checkbox"/> a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) <input type="checkbox"/> a one-participant plan <input type="checkbox"/> a foreign plan
<b>B</b> This return/report is	<input type="checkbox"/> the first return/report <input type="checkbox"/> the final return/report <input type="checkbox"/> an amended return/report <input type="checkbox"/> a short plan year return/report (less than 12 months)
<b>C</b> Check box if filing under:	<input type="checkbox"/> Form 5558 <input type="checkbox"/> automatic extension <input type="checkbox"/> DFVC program <input type="checkbox"/> special extension (enter description)

<b>Part II Basic Plan Information</b> —enter all requested information													
<b>1a</b> Name of plan <u>EXTERNAL-ARRAY SOFTWARE INC. DEFINED BENEFIT PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>1b</b> Three-digit plan number (PN) ►</td> <td style="width: 40%; text-align: center;"><u>004</u></td> </tr> <tr> <td colspan="2"><b>1c</b> Effective date of plan <u>01/01/2015</u></td> </tr> </table>	<b>1b</b> Three-digit plan number (PN) ►	<u>004</u>	<b>1c</b> Effective date of plan <u>01/01/2015</u>									
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<b>1c</b> Effective date of plan <u>01/01/2015</u>													
<b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>EXTERNAL-ARRAY SOFTWARE INC.</u>  <u>4163 WILLIAMS AVENUE N</u> <u>RENTON, WA 98056</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>2b</b> Employer Identification Number (EIN) <u>95-4856394</u></td> </tr> <tr> <td><b>2c</b> Sponsor's telephone number <u>714-299-5818</u></td> </tr> <tr> <td><b>2d</b> Business code (see instructions) <u>541519</u></td> </tr> </table>	<b>2b</b> Employer Identification Number (EIN) <u>95-4856394</u>	<b>2c</b> Sponsor's telephone number <u>714-299-5818</u>	<b>2d</b> Business code (see instructions) <u>541519</u>									
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<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>3b</b> Administrator's EIN</td> </tr> <tr> <td><b>3c</b> Administrator's telephone number</td> </tr> </table>	<b>3b</b> Administrator's EIN	<b>3c</b> Administrator's telephone number										
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<b>3c</b> Administrator's telephone number													
<b>4</b> If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report. <b>a</b> Sponsor's name <b>c</b> Plan Name	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>4b</b> EIN</td> </tr> <tr> <td><b>4d</b> PN</td> </tr> </table>	<b>4b</b> EIN	<b>4d</b> PN										
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**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	07/15/2019	HONG WEN MA
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	07/15/2019	HONG WEN MA
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) ..... ☒ Yes ☐ No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) ..... ☒ Yes ☐ No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? ..... ☐ Yes ☒ No ☐ Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year ..... (See instructions.)

**Part III Financial Information**

<b>7 Plan Assets and Liabilities</b>		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	1312435	1502695
<b>b</b> Total plan liabilities .....	<b>7b</b>	0	0
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b>	1312435	1502695
<b>8 Income, Expenses, and Transfers for this Plan Year</b>		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>	300000	
<b>(2)</b> Participants .....	<b>8a(2)</b>	0	
<b>(3)</b> Others (including rollovers) .....	<b>8a(3)</b>	0	
<b>b</b> Other income (loss) .....	<b>8b</b>	-109740	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		190260
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	<b>8d</b>	0	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) ...	<b>8e</b>	0	
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>	0	
<b>g</b> Other expenses .....	<b>8g</b>	0	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		0
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		190260
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>	0	

**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:  
1A 3D
- 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**

<b>10 During the plan year:</b>		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<b>a</b> Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program) .....	<b>10a</b>		X	
<b>b</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....	<b>10b</b>		X	
<b>c</b> Was the plan covered by a fidelity bond? .....	<b>10c</b>		X	
<b>d</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	<b>10d</b>		X	
<b>e</b> Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.) .....	<b>10e</b>		X	
<b>f</b> Has the plan failed to provide any benefit when due under the plan? .....	<b>10f</b>		X	
<b>g</b> Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....	<b>10g</b>		X	
<b>h</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	<b>10h</b>			
<b>i</b> If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....	<b>10i</b>			

**Part VI Pension Funding Compliance**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below) ☒ Yes ☐ No

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

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

**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

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.)

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

<b>SCHEDULE SB (Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration  Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2018</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

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

<b>A</b> Name of plan <u>EXTERNAL-ARRAY SOFTWARE INC. DEFINED BENEFIT PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶ <u>004</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>EXTERNAL-ARRAY SOFTWARE INC.</u>	<b>D</b> Employer Identification Number (EIN) <u>95-4856394</u>

<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500
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<b>Part I</b>	<b>Basic Information</b>
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<b>1</b> Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2018</u>			
<b>2</b> Assets:			
<b>a</b> Market value.....	<b>2a</b>	<u>1202695</u>	
<b>b</b> Actuarial value .....	<b>2b</b>	<u>1202695</u>	
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	<u>0</u>	<u>0</u>	<u>0</u>
<b>b</b> For terminated vested participants .....	<u>0</u>	<u>0</u>	<u>0</u>
<b>c</b> For active participants .....	<u>2</u>	<u>795502</u>	<u>1325836</u>
<b>d</b> Total .....	<u>2</u>	<u>795502</u>	<u>1325836</u>
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>		
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>		
<b>5</b> Effective interest rate .....	<b>5</b>	<u>5.26 %</u>	
<b>6</b> Target normal cost .....	<b>6</b>	<u>86336</u>	

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

<b>SIGN HERE</b>		
	Signature of actuary	<u>06/03/2019</u>
<u>HUNG-HSUN CHENG</u>		Date
	Type or print name of actuary	<u>17-06724</u>
<u>ALLIED CONSULTANTS, INC.</u>		Most recent enrollment number
	Firm name	<u>909-393-4912</u>
<u>14768 PIPELINE AVE. CHINO HILLS, CA 91709</u>		Telephone number (including area code)
	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
<b>7</b> Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b> Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b> Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b> Interest on line 9 using prior year's actual return of _____% .....	0	0
<b>11</b> Prior year's excess contributions to be added to prefunding balance:		
<b>a</b> Present value of excess contributions (line 38a from prior year) .....		97859
<b>b(1)</b> Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.31</u> % .....		0
<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		97859
<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b> Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b> Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

**Part III Funding Percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	90.71%
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	90.71%
<b>16</b> Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	92.50%
<b>17</b> If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage. ....	<b>17</b>	%

**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
03/18/2019	145200	0			
03/18/2019	154800	0			
<b>Totals ▶</b>			<b>18(b)</b>	300000	<b>18(c)</b> 0

**19** Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years .....	<b>19a</b>	0
<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b>	0
<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date .....	<b>19c</b>	294066

**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	(3) 3rd	(4) 4th
0	0	0	0

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

<b>21</b>	Discount rate:			
<b>a</b>	Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%
		<input type="checkbox"/> N/A, full yield curve used		
<b>b</b>	Applicable month (enter code) .....	<b>21b</b>	0	
<b>22</b>	Weighted average retirement age .....	<b>22</b>	63	
<b>23</b>	Mortality table(s) (see instructions)	Prior regulation:	<input type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate
		Current regulation:	<input checked="" type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate
			<input type="checkbox"/> Substitute	<input type="checkbox"/> Substitute

**Part VI Miscellaneous Items**

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

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

<b>28</b>	Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b>	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a) .....	<b>29</b>	0
<b>30</b>	Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....	<b>30</b>	0

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

<b>31</b>	Target normal cost and excess assets (see instructions):		
<b>a</b>	Target normal cost (line 6) .....	<b>31a</b>	86336
<b>b</b>	Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	0
<b>32</b>	Amortization installments:	Outstanding Balance	Installment
<b>a</b>	Net shortfall amortization installment .....	123141	35342
<b>b</b>	Waiver amortization installment .....	0	0
<b>33</b>	If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>	
<b>34</b>	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33) .....	<b>34</b>	121678
		Carryover balance	Prefunding balance
<b>35</b>	Balances elected for use to offset funding requirement .....	0	0
<b>36</b>	Additional cash requirement (line 34 minus line 35) .....	<b>36</b>	121678
<b>37</b>	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	294066
<b>38</b>	Present value of excess contributions for current year (see instructions)		
<b>a</b>	Total (excess, if any, of line 37 over line 36) .....	<b>38a</b>	172388
<b>b</b>	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0
<b>39</b>	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....	<b>39</b>	0
<b>40</b>	Unpaid minimum required contributions for all years .....	<b>40</b>	0

**Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)**

<b>41</b>	If an election was made to use PRA 2010 funding relief for this plan:			
<b>a</b>	Schedule elected .....	<input type="checkbox"/> 2 plus 7 years	<input type="checkbox"/> 15 years	
<b>b</b>	Eligible plan year(s) for which the election in line 41a was made .....	<input type="checkbox"/> 2008	<input type="checkbox"/> 2009	<input type="checkbox"/> 2010
		<input type="checkbox"/> 2011		

**Form 5500-SF**Department of the Treasury  
Internal Revenue ServiceDepartment 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 section 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**2018****This Form is Open to Public Inspection****Part I Annual Report Identification Information**For calendar plan year 2018 or fiscal plan year beginning **01/01/2018** and ending **12/31/2018**



- A** This return/report is for: ☒ a single-employer plan ☐ a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- B** This return/report is: ☐ a one-participant plan ☐ a foreign plan  
☐ the first return/report ☐ the final return/report  
☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** Check box if filing under: ☐ Form 5558 ☐ automatic extension ☐ DFVC program  
☐ special extension (enter description)

**Part II Basic Plan Information --- enter all requested information**

<b>1a</b> Name of plan <b>External-Array Software Inc. Defined Benefit Plan</b>	<b>1b</b> Three-digit plan number (PN) ▶ <b>004</b>
<b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing Address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <b>External-Array Software Inc.</b>  <b>4163 Williams Avenue N</b>  <b>US Renton WA 98056</b>	<b>1c</b> Effective date of plan <b>01/01/2015</b>
	<b>2b</b> Employer Identification Number (EIN) <b>95-4856394</b>
	<b>2c</b> Sponsor's telephone number (714) <b>299-5818</b>
	<b>2d</b> Business code (see instructions) <b>541519</b>
<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	<b>3b</b> Administrator's EIN
<b>4</b> If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report. <b>a</b> Sponsor's name <b>c</b> Plan Name	<b>3c</b> Administrator's telephone number
	<b>4b</b> EIN
	<b>4d</b> PN
<b>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b> <b>2</b>
<b>b</b> Total number of participants at the end of the plan year .....	<b>5b</b> <b>2</b>
<b>c</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) .....	<b>5c</b>
<b>d(1)</b> Total number of active participants at the beginning of the plan year .....	<b>5d(1)</b> <b>2</b>
<b>d(2)</b> Total number of active participants at the end of the plan year .....	<b>5d(2)</b> <b>2</b>
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested .....	<b>5e</b> <b>0</b>

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

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

<b>SIGN HERE</b>		<b>7/15/2019</b>	<b>Hong Wen Ma</b>
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>		<b>7/15/2019</b>	<b>Hong Wen Ma</b>
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

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

**Form 5500-SF (2018)**  
v.171027

- 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 year \_\_\_\_\_ (See instructions.)

**Part III Financial Information**

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
<b>a</b> Total plan assets .....	7a	1,312,435	1,502,695
<b>b</b> Total plan liabilities .....	7b	0	0
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	7c	1,312,435	1,502,695
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
<b>a</b> Contributions received or receivable from:			
(1) Employers .....	8a(1)	300,000	
(2) Participants .....	8a(2)	0	
(3) Others (including rollovers) .....	8a(3)	0	
<b>b</b> Other income (loss) .....	8b	(109,740)	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	8c		190,260
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	8d	0	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) ...	8e	0	
<b>f</b> Administrative service providers (salaries, fees, commissions) ....	8f	0	
<b>g</b> Other expenses .....	8g	0	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	8h		0
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	8i		190,260
<b>j</b> Transfers to (from) the plan (see instructions) .....	8j	0	

**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:  
1A 3D
- 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	N/A	Amount
<b>a</b> Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program) .....	10a		X		
<b>b</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....	10b		X		
<b>c</b> Was the plan covered by a fidelity bond? .....	10c		X		
<b>d</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	10d		X		
<b>e</b> Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.) .....	10e		X		
<b>f</b> Has the plan failed to provide any benefit when due under the plan? .....	10f		X		
<b>g</b> Did the plan have any participant loans? (If "Yes," enter amount as of year end.) .....	10g		X		
<b>h</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	10h				
<b>i</b> If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....	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 line 11a below)) ..... ☒ Yes ☐ No

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

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

**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 the 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

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.)

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

**Schedule SB, line 32 -**  
**Schedule of Amortization Bases**  
**External-Array Software Inc. Defined Benefit Plan**  
**95-4856394 / 004**  
**For the plan year 01/01/2018 through 12/31/2018**

Date Base Established	Original Base Amount	Type of Base	Present Value of Remaining Installments	Years Remaining Amortization Period	Amortization Installment
12/31/2015	383,493	Shortfall	241,029	4	63,776
12/31/2016	-214,130	Shortfall	-164,044	5	-35,379
12/31/2017	-30,359	Shortfall	-26,925	6	-4,985
12/31/2018	73,081	Shortfall	73,081	7	11,930
Totals:			\$123,141		\$35,342

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

**External-Array Software Inc. Defined Benefit Plan**

**95-4856394 / 004**

**For the plan year 01/01/2018 through 12/31/2018**

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The age reported is the weighted average of the assumed retirement ages for all active participants as of the valuation date based on their funding target or target normal cost should the funding target of the plan be zero rounded to the nearest whole age. For an active late retiree, the assumed retirement age may be later than the Plan's normal retirement age. Each participant's rate of retirement is assumed to be 100% of his/her assumed retirement age.

**Schedule SB, line 19 -**  
**Discounted Employer Contributions**  
**External-Array Software Inc. Defined Benefit Plan**  
**95-4856394 / 004**  
**For the plan year 01/01/2018 through 12/31/2018**  
**Valuation Date: 12/31/2018**

	Date	Amount	Adjusted Contribution	Adjusted Prior Year Contribution	Adjusted Quarterly	Effective Rate	Penalty Rate
<b>Deposited Contribution</b>	<b>03/18/2019</b>	<b>\$145,200</b>					
<b>Deposited Contribution</b>	<b>03/18/2019</b>	<b>\$154,800</b>					
Applied to Quarterly Contribution	04/15/2018	27,378	25,948	0	27,378	5.26	10.26
Applied to Quarterly Contribution	07/15/2018	27,378	26,250	0	27,378	5.26	10.26
Applied to Quarterly Contribution	10/15/2018	27,378	26,558	0	27,378	5.26	10.26
Applied to Additional Contribution	12/31/2018	19,462	19,253	0	0	5.26	0
Applied to Additional Contribution	12/31/2018	154,800	153,135	0	0	5.26	0
Applied to MRC	12/31/2018	16,226	16,051	0	0	5.26	0
Applied to Quarterly Contribution	01/15/2019	27,378	26,871	0	27,378	5.26	10.26
Totals for Deposited Contribution		\$300,000	\$294,066	\$0	\$109,512		

# Schedule SB, Part V

## Statement of Actuarial Assumptions/Methods

### External-Array Software Inc. Defined Benefit Plan

95-4856394 / 004

For the plan year 01/01/2018 through 12/31/2018

**Valuation Date:** 12/31/2018

**Funding Method:** As prescribed in IRC Section 430  
Age - Eligibility age at last birthday and other ages at nearest birthday

Retrospective Compensation - Highest 3 consecutive years of service

Form of Payment - Assumed form of payment for funding is lump sum equivalent of normal form. Funding Target for lump sum is the greater of the present value of accrued benefit computed using funding segment rates and 417(e) Applicable Mortality Table or lump sum at the assumed retirement date of accrued benefit using plan actuarial equivalence discounted using appropriate segment rate. Lump sum on plan actuarial equivalence rates will not exceed 415 maximum allowable distribution, which is the lesser amount computed using a) 5.5% interest and the Applicable Mortality Table or b) the greater of plan actuarial equivalence interest and mortality or 417(e) Minimum

Interest Rates -

Segment rates for the Valuation Date as permitted under IRC 430(h)(2)(C)

Segment #	Year	Rate %
Segment 1	0 - 5	2.50
Segment 2	6 - 20	3.92
Segment 3	> 20	4.50

Segment rates as of September 30, 2017 As permitted under IRC 430(h)(2)(C)(iv)(II) - HATFA

Segment #	Year	Rate %
Segment 1	0 - 5	3.92
Segment 2	6 - 20	5.52
Segment 3	> 20	6.29

Pre-Retirement - Mortality Table - None  
Early Retirement Table - None  
Turnover Table - None  
Disability Table - None  
Salary Scale - None  
Expense Load - None  
Ancillary Ben Load - None

Post-Retirement - Mortality Table - 18C - 2018 Combined  
Cost of Living - None  
Lump Sum - I83F - 1983 Individual Annuity (female) at 5%  
or  
18E - 2018 Applicable Mortality Table for 417(e) (unisex)

**Asset Valuation Method:** Fair market value of assets adjusted for contributions under IRC 430(g)(4)

**Discrimination Test Assumptions:**

HCE Determination - Based on all employees

Otherwise Excludable - Otherwise Excludable HCEs are included with the Not Otherwise Excludable employees

# Schedule SB, Part V

## Statement of Actuarial Assumptions/Methods

### External-Array Software Inc. Defined Benefit Plan

95-4856394 / 004

For the plan year 01/01/2018 through 12/31/2018

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#### **410(b)/401(a)(4) Testing:**

Pre-Retirement - Interest - 8.5%

Post-Retirement - Interest - 8.5%

Mortality Table - U84 - 1984 Unisex

Permissively Aggregated Plans - Tested as a Single Plan

Compensation - Use current compensation to calculate the benefit accrual rate (annual method)

Testing Age - Normal retirement age or attained age, if older

Testing Service - Separate benefiting service for DC and for DB for Accrued-to-Date Method

Normal Form for MVAR - Joint with 50% Survivor Benefits

#### **401(a)(26) Testing:**

Compensation - Use current compensation to calculate the benefit accrual rate for 401(a)(26)

Testing Age - Normal retirement age or attained age, if older

# Schedule SB, Part V

## Summary of Plan Provisions

### External-Array Software Inc. Defined Benefit Plan

95-4856394 / 004

For the plan year 01/01/2018 through 12/31/2018

**Employer:** External-Array Software Inc.  
 Type of Entity - S Corporation  
 EIN: 95-4856394 TIN: 47-5370385 Plan #: 004 Plan Type: Defined Benefit

**Dates:** Effective - 01/01/2015 Year end - 12/31/2018 Valuation - 12/31/2018  
 Top Heavy Years - 2015, 2016, 2017, 2018

**Eligibility:** All employees excluding non-resident aliens, members of an excluded class and union  
 Minimum age - 21 Months of service - 12

Hours Required for - Eligibility - 1000 Benefit accrual - 1000 Vesting - 1000

Plan Entry - First day of 1st or 7th month of plan year on or next following eligibility satisfaction

**Retirement:** Normal - Attainment of age 62 and completion of 5 years of participation  
 Early - Not provided

**Average Compensation:** Highest 3 consecutive years of service  
 Top Heavy Minimum Benefit - Highest 5 consecutive top heavy years of participation

**Plan Benefits:** Retirement - Derived from the unit credit benefit formula below rounded to the nearest dollar:  
 2.5% of average monthly compensation per year of service beginning year 1

Accrued Benefit - Unit credit based on service

Minimum Benefit - None

Maximum Benefit - None

Maximum allowable distribution is lump sum equivalent of normal form not to exceed 415 maximum allowable distribution, which is the lesser amount computed using a) 5.5% interest and the Applicable Mortality Table or b) the greater of plan actuarial equivalence interest and mortality or 417(e) Minimum

Early Retirement - None

Death Benefit - Present Value of Accrued Benefit

Disability Benefit -

**Top Heavy Minimum:** 2% of average compensation per top heavy year of participation excluding years prior to the adoption date of the plan and 1984 (if earlier), limited to 10 years

**IRS Limitations:** 415 Limits - Percent: 100 Dollar: \$220,000  
 Maximum 401(a)(17) compensation - \$275,000

**Normal Form:** Life Annuity

**Optional Forms:** Lump Sum  
 Life Annuity Guaranteed for 10 Years  
 Joint with 50%, 75% or 100% Survivor Benefit

**Vesting Schedule:**

Years	Percent
0-1	0%
2	20%
3	40%
4	60%
5	80%
6	100%

Service is calculated using all years of service except years prior to plan effective date

## Schedule SB, Part V

### Summary of Plan Provisions

#### External-Array Software Inc. Defined Benefit Plan

95-4856394 / 004

For the plan year 01/01/2018 through 12/31/2018

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**Present Value of Accrued Benefit:** Based on the greater of 417(e) or Actuarial Equivalence

**417(e):**

Interest Rates -

Segment #	Years	Rate %
Segment 1	0 - 5	2.33
Segment 2	6 - 20	3.55
Segment 3	> 20	4.11

Mortality Table - 18E - 2018 Applicable Mortality Table for 417(e) (unisex)

**Actuarial Equivalence:**

Pre-Retirement - Interest - 5%  
Mortality Table - None

Post-Retirement - Interest - 5%  
Mortality Table - I83F - 1983 Individual Annuity (female)



<b>SCHEDULE SB</b> <b>(Form 5500)</b> <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</small>	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). <b>► File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2018</b>  This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

► Round off amounts to nearest dollar.

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

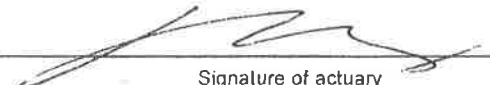
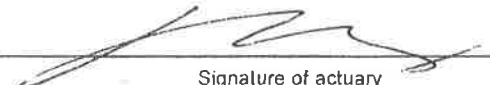
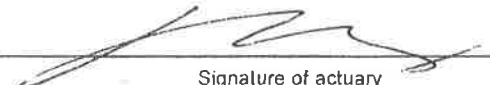
<b>A Name of plan</b> <u>External-Array Software Inc. Defined Benefit Plan</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>B Three-digit plan number (PN)</b> ►</td> <td style="width: 30%; text-align: center;"><u>004</u></td> </tr> </table>	<b>B Three-digit plan number (PN)</b> ►	<u>004</u>
<b>B Three-digit plan number (PN)</b> ►	<u>004</u>		
<b>C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF</b> <u>External-Array Software Inc.</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>D Employer Identification Number (EIN)</b> <u>95-4856394</u></td> </tr> </table>	<b>D Employer Identification Number (EIN)</b> <u>95-4856394</u>	
<b>D Employer Identification Number (EIN)</b> <u>95-4856394</u>			

**E Type of plan:** ☒ Single ☐ Multiple-A ☐ Multiple-B **F Prior year plan size:** ☒ 100 or fewer ☐ 101-500 ☐ More than 500

<b>Part I Basic Information</b>			
<b>1 Enter the valuation date:</b> Month <u>12</u> Day <u>31</u> Year <u>2018</u>			
<b>2 Assets:</b>			
a Market value .....	<b>2a</b>	<u>1,202,695</u>	
b Actuarial value .....	<b>2b</b>	<u>1,202,695</u>	
<b>3 Funding target/participant count breakdown:</b>	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment .....	<u>0</u>	<u>0</u>	<u>0</u>
b For terminated vested participants .....	<u>0</u>	<u>0</u>	<u>0</u>
c For active participants .....	<u>2</u>	<u>795,502</u>	<u>1,325,836</u>
d Total .....	<u>2</u>	<u>795,502</u>	<u>1,325,836</u>
<b>4 If the plan is in at-risk status, check the box and complete lines (a) and (b) .....</b> <input type="checkbox"/>			
a Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>		
<b>5 Effective interest rate .....</b>	<b>5</b>	<u>5.26 %</u>	
<b>6 Target normal cost .....</b>	<b>6</b>	<u>86,336</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.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;"><b>SIGN HERE</b></td> <td style="width: 90%; text-align: center;">             Signature of actuary  <u>Hung-Hsun Cheng</u>            Type or print name of actuary  <u>Allied Consultants, Inc.</u>            Firm name  <u>14768 Pipeline Ave.</u>  <u>US Chino Hills CA 91709</u>            Address of the firm         </td> </tr> </table>	<b>SIGN HERE</b>	 Signature of actuary <u>Hung-Hsun Cheng</u> Type or print name of actuary <u>Allied Consultants, Inc.</u> Firm name <u>14768 Pipeline Ave.</u> <u>US Chino Hills CA 91709</u> Address of the firm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"> <u>06/03/2019</u>            Date  <u>17-06724</u>            Most recent enrollment number  <u>(909) 393-4912</u>            Telephone number (including area code)         </td> </tr> </table>	<u>06/03/2019</u> Date <u>17-06724</u> Most recent enrollment number <u>(909) 393-4912</u> Telephone number (including area code)
<b>SIGN HERE</b>	 Signature of actuary <u>Hung-Hsun Cheng</u> Type or print name of actuary <u>Allied Consultants, Inc.</u> Firm name <u>14768 Pipeline Ave.</u> <u>US Chino Hills CA 91709</u> Address of the firm			
<u>06/03/2019</u> Date <u>17-06724</u> Most recent enrollment number <u>(909) 393-4912</u> Telephone number (including area code)				

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) 2018  
v. 171027

**Part II Beginning of Year Carryover and Prefunding Balances**

	(a) Carryover balance	(b) Prefunding balance
<b>7</b> Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b> Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b> Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b> Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
<b>11</b> Prior year's excess contributions to be added to prefunding balance:		
<b>a</b> Present value of excess contributions (line 38a from prior year) .....		97,859
<b>b(1)</b> Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.31</u> % .....		0
<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		97,859
<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b> Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b> Balance at beginning of current year (line 9 + line 10 + line 11d - line 12) .....	0	0

**Part III Funding Percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	90.71 %
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	90.71 %
<b>16</b> Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	92.50 %
<b>17</b> If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	%

**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
03/18/2019	145,200		03/18/2019	154,800	
<b>Totals ▶</b>			<b>18(b)</b>	300,000	<b>18(c)</b> 0

**19** Discounted employer contributions -- see instructions for small plan with a valuation date after the beginning of the year:

<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years .....	<b>19a</b>	0
<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b>	0
<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date ..	<b>19c</b>	294,066

**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	(3) 3rd	(4) 4th

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

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code)				<b>21b</b> 0
<b>22</b> Weighted average retirement age				<b>22</b> 63
<b>23</b> Mortality table(s) (see instructions)	Prior regulation:	<input type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate	<input type="checkbox"/> Substitute
	Current regulation:	<input checked="" type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate	<input type="checkbox"/> Substitute

**Part VI Miscellaneous items**

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

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

<b>28</b> Unpaid minimum required contributions for all prior years	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	<b>30</b>	0

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

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6)	<b>31a</b>	86,336	
<b>b</b> Excess assets, if applicable, but not greater than line 31a	<b>31b</b>	0	
<b>32</b> Amortization installments:	Outstanding Balance		Installment
<b>a</b> Net shortfall amortization installment	123,141		35,342
<b>b</b> Waiver amortization installment	0		0
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	<b>34</b>	121,678	
	Carryover balance	Prefunding Balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35)	<b>36</b>	121,678	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	<b>37</b>	294,066	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	172,388	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years	<b>40</b>	0	

**Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)**

<b>41</b> If an election was made to use PRA 2010 funding relief for this plan:
<b>a</b> Schedule elected <input type="checkbox"/> 2 plus 7 years <input type="checkbox"/> 15 years
<b>b</b> Eligible plan year(s) for which the election in line 41a was made <input type="checkbox"/> 2008 <input type="checkbox"/> 2009 <input type="checkbox"/> 2010 <input type="checkbox"/> 2011