

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: QUALITY AVIATION INSTRUMENTS CASH BALANCE 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): QUALITY AVIATION INSTRUMENTS QAI AEROSPACE
2b Employer Identification Number (EIN): 25-1835012
2c Sponsor's telephone number: 412-346-0168
2d Business code (see instructions): 488100
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.
4b EIN
4d PN
5a Total number of participants at the beginning of the plan year: 57
5b Total number of participants at the end of the plan year: 57
5c(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)
5c(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)
5d(1) Total number of active participants at the beginning of the plan year: 50
5d(2) Total number of active participants at the end of the plan year: 51
5e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested: 4

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, Enter name of individual signing as plan administrator. Row 1: Filed with authorized/valid electronic signature, 10/10/2025, DEREK BENEDICT. Row 2: 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 554053. (See instructions.)

Part III Financial Information			
7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	1471625	2014383
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	1471625	2014383
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	490000	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	79760	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		569760
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	11747	
e Certain deemed and/or corrective distributions (see instructions) .	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	15255	
g Other expenses	8g	0	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		27002
i Net income (loss) (subtract line 8h from line 8c)	8i		542758
j 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 1C 3D 3H
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		Yes	No	Amount
10	During the plan year:			
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	
b	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)		X	
c	Was the plan covered by a fidelity bond?	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?		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.)		X	
f	Has the plan failed to provide any benefit when due under the plan?		X	
g	Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)		X	
h	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
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			

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 09 / 13 / 2023 (MM/DD/YYYY) and the Opinion Letter serial number Q705484A.

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>QUALITY AVIATION INSTRUMENTS CASH BALANCE 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>QUALITY AVIATION INSTRUMENTS</u>	D Employer Identification Number (EIN) <u>25-1835012</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>1462593</u>		
b Actuarial value	2b	<u>1462593</u>		
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	<u>0</u>	<u>0</u>	<u>0</u>	
b For terminated vested participants	<u>7</u>	<u>36756</u>	<u>36756</u>	
c For active participants	<u>50</u>	<u>1439423</u>	<u>1451355</u>	
d Total	<u>57</u>	<u>1476179</u>	<u>1488111</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>5.05 %</u>		
6 Target normal cost				
a Present value of current plan year accruals	6a	<u>214265</u>		
b Expected plan-related expenses	6b	<u>0</u>		
c Target normal cost	6c	<u>214265</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 <u>ERNIE F. GALLIANI</u> Signature of actuary <u>NOVA 401(K) ASSOCIATES</u> Firm name <u>10777 NORTHWEST FREEWAY SUITE 440 HOUSTON, TX 77092</u> Address of the firm	<u>10/08/2025</u> Date <u>23-05338</u> Most recent enrollment number <u>713-524-5192</u> Telephone number (including area code)
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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	58873
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	58873
10	Interest on line 9 using prior year's actual return of <u>6.18</u> %	0	3638
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		19240
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>5.15</u> %		990
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		20230
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	4896
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	57615

Part III Funding Percentages			
14	Funding target attainment percentage	14	94.41 %
15	Adjusted funding target attainment percentage	15	94.41 %
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	89.66 %
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		
09/15/2025	490000	0					
			Totals ▶	18(b)	490000	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	441852
20	Quarterly contributions and liquidity shortfalls:		
a	Did the plan have a "funding shortfall" for the prior year?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
b	If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
c	If line 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost			
21 Discount rate:			
a Segment rates:	1st segment: 4.75 %	2nd segment: 4.87 %	<input type="checkbox"/> 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) <input checked="" type="checkbox"/> Prescribed - combined <input 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 214265
b Excess assets, if applicable, but not greater than line 31a			31b 0
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	83133	8097	
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 222362
	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 222362
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)			37 441852
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)			38a 219490
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, line 26 - Schedule of Active Participant Data

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan
EIN: 25-1835012 PN: 002

Attained Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25	0	4	0	0	0	0	0	0	0	0
25 to 29	1	5	0	0	0	0	0	0	0	0
30 to 34	1	4	2	0	0	0	0	0	0	0
35 to 39	0	1	2	0	0	0	0	0	0	0
40 to 44	2	3	4	0	0	0	0	0	0	0
45 to 49	0	4	0	0	0	0	0	0	0	0
50 to 54	1	1	2	0	0	0	0	0	0	0
55 to 59	0	2	5	0	0	0	0	0	0	0
60 to 64	0	1	1	0	0	0	0	0	0	0
65 to 69	0	0	3	0	0	0	0	0	0	0
70 & Up	0	1	0	0	0	0	0	0	0	0
Average Age	43.24			Average Service		3.58				

Schedule SB, Part V - Statement of Actuarial Assumptions & Methods

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan
EIN: 25-1835012 PN: 002

The actuary chose all of the valuation assumptions other than those prescribed by law.

Assumption	For Funding	Per Plan	For 417(e)
Interest lookback months	4		2
Interest Discount Rates	First Segment Rate 4.75%	Preretirement 5.00%	First Segment Rate 5.50%
	Second Segment Rate 4.87%	Postretirement 5.50%	Second Segment Rate 5.76%
	Third Segment Rate 5.59%		Third Segment Rate 5.83%
Effective rate	5.05%		
Maximum Deduction Discount Rates	First Segment Rate 3.62%		
	Second Segment Rate 4.46%		
	Third Segment Rate 4.52%		
Effective rate	4.46%		
Turnover	None	N/A	
Preretirement Mortality	None	None	None
Disability	None	N/A	N/A
Future Salary Increases	3%	N/A	N/A
Assumed Retirement Age	Normal Retirement	N/A	N/A
Assumed Benefit Form	100% Lump Sum		
Postretirement Mortality	Male - 24M Female - 24F	2024417e	2024417e
Actuarial Value of Assets	Market Value	N/A	N/A
Expenses	0	N/A	N/A

**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

2024

This Form is Open to Public Inspection

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

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

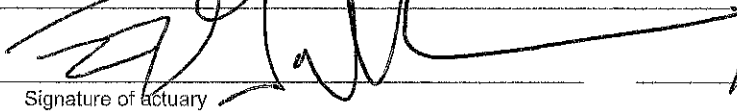
▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan QUALITY AVIATION INSTRUMENTS CASH BALANCE PLAN		B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF QUALITY AVIATION INSTRUMENTS		D Employer Identification Number (EIN) 25-1835012	
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	1462593
	b Actuarial value	2b	1462593
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	7	36756
	c For active participants	50	1439423
	d Total	57	1476179
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	5.05 %
6	Target normal cost		
	a Present value of current plan year accruals	6a	214265
	b Expected plan-related expenses	6b	0
	c Target normal cost	6c	214265

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		Date	10/8/2025
	Type or print name of actuary	Ernie F. Galliani	Most recent enrollment number	23-05338
	Firm name	Nova 401(k) Associates	Telephone number (including area code)	(713) 524-5192
	Address of the firm	10777 Northwest Freeway Suite 440 Houston, TX 77092		

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) 2024
v. 240311

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	58873
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	58873
10 Interest on line 9 using prior year's actual return of <u>6.18</u> %	0	3638
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		19240
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>5.15</u> %		990
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		20230
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	4896
13 Balance at beginning of current year (line 9 + line 10 + line 11d - line 12)	0	57615

Part III Funding Percentages

14 Funding target attainment percentage	14	94.41 %
15 Adjusted funding target attainment percentage	15	94.41 %
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	89.66 %
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
09-15-2025	490000	0			
Totals ▶			18(b)	490000	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	441852

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

21 Discount rate:

a Segment rates:	1st segment: 4.75 %	2nd segment: 4.87 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
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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	214265
b Excess assets, if applicable, but not greater than line 31a	31b	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	83133	8097
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** 222362

	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** 222362

37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) **37** 441852

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

a Total (excess, if any, of line 37 over line 36)	38a	219490
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, line 19 - Discounted Employer Contributions

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan
EIN: 25-1835012 PN: 002

Code	Date	Contribution Amount	Effective Rate	For Months	Quarterly Due	Effective Rate Plus 5%	For Months	Discounted Contribution
C	9/15/2025	50,031.45	5.05	3.45	4/15/2024	10.05	17.00	43,069.48
C	9/15/2025	50,031.45	5.05	6.45	7/15/2024	10.05	14.00	43,573.07
C	9/15/2025	50,031.45	5.05	9.45	10/15/2024	10.05	11.00	44,082.54
C	9/15/2025	50,031.45	5.05	12.45	1/15/2025	10.05	8.00	44,597.97
C	9/15/2025	289,874.20	5.05	20.45				266,528.86
Total		490,000.00						441,851.91

Code 'C' is a contribution, 'B' is a balance reduction

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

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan
EIN: 25-1835012 PN: 002

All active participants are assumed to retire at the later of age 62 and 5 years of participation, or at the end of the current plan year. The weighted average retirement age of the plan is 62.7.

Schedule SB, Part V - Summary of Plan Provisions

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan EIN: 25-1835012 PN: 002

This summary of plan provisions is intended to be a brief overview of the Plan's provisions and should not be used for purposes of certifying benefits.

Plan effective date January 1, 2017

Last amendment effective date January 1, 2022

Plan Year January 1 to December 31

Eligibility Employees are eligible to enter on the January 1 or July 1 that is coincident with or next following the date the participant completes 12 months of service with 1000 hours and attains the age of 21

Excluded Employees Non-resident aliens with no US income, employees whose employment is governed by the terms of a collective bargaining agreement between Employee representatives (within the meaning of Code Section 7701(a)(46)) and the Employer, leased employees

Normal Retirement All participants are eligible to retire upon the later of attainment of age 62 and 5 years of participation.

Normal Retirement Benefit Upon retirement a participant will be entitled to a benefit payable in the normal form which is actuarial equivalent of the hypothetical account balance.

Hypothetical allocation and interest credit of:

Group	Interest	% Comp
0	5.000%	53.50%
1-4	5.000%	2.50%

In no event is the benefit greater than the Section 415 limit.

Normal Form A monthly benefit payable for the life of the participant

Accrued Benefit The accrued benefit as of any determination date is based on the balance of a participant's hypothetical account.

Termination Benefit Upon termination for any reason other than death or retirement, a participant shall be entitled to a portion of their accrued benefit, in accordance with the following schedule:

Years of Credit	Percent Vested
1	0
2	0
3	100

Credited years are measured as plan years starting with the plan year of hire. Only years during which a participant is credited with at least 1000 hours of service are counted. Service excludes periods prior to attainment of age 18. Service excludes periods prior to January 1, 2017.

Schedule SB, line 32 - Schedule of Amortization Bases

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan
EIN: 25-1835012 PN: 002

Type of Base	Present Value	Initial Valuation Date	Years Remaining	Amortization Installment
Shortfall	119,665.11	1/1/2023	14	11,421.17
Shortfall	-36,531.71	1/1/2024	15	-3,323.67
Total	83,133.40			8,097.50

Schedule SB, line 24 - Change in Actuarial Assumptions

Plan Name: Quality Aviation Instruments Cash Balance Pension Plan

EIN: 25-1835012 PN: 002

Changes in non-prescribed Actuarial Assumptions

For the calculation of 2024 minimum funding requirement, the following assumption changes were made to better reflect anticipated experience:

- A 3% salary increase assumption was added.

The above changes were made in compliance with PPA requirements. The non-prescribed assumption change satisfies the exemption for Commissioner approval under IRS Regulation 1.430(d)-1(f)(8).